

QUALIFICATIONS & CREDENTIALS

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



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**Routine Engineering Services for
Water Projects in Jefferson Parish
Resolution No. 144203**

Presented To:



June 21, 2024

TABLE OF CONTENTS

1. N-Y TEAM INTRODUCTION

- Cover Letter and Project Organization Chart

2. N-Y ASSOCIATES, INC.

(Prime Consultant)

- TEC Professional Services Questionnaire

3. IMC CONSULTING ENGINEERS, INC.

(Subconsultant: Mechanical & Electrical Engineering)

- TEC Professional Services Questionnaire

4. BFM CORPORATION, LLC

(Subconsultant: Surveying)

- TEC Professional Services Questionnaire

5. GULF SOUTH ENGINEERING AND TESTING, INC.

(Subconsultant: Geotechnical Engineering)

- TEC Professional Services Questionnaire

1. N-Y TEAM INTRODUCTION

Cover Letter and Project Organization Chart





Reply to Metairie Office

June 21, 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
VICE PRESIDENT

FRANK NICOLADIS, P.E. CHAIRMAN, FOUNDER

ESTABLISHED 1969

Jefferson Parish Council
c/o Shanna Folse, Purchasing Specialist II
200 Derbigny Street
General Government Bld., Suite 6700
Gretna, LA 70054

**Re: Routine Engineering Services for Water Projects in Jefferson Parish
Resolution No. 144203**

Ladies and Gentlemen:

N-Y Associates, Inc. (N-Y) is pleased to submit our statement of qualifications to provide Routine Engineering Services for Water Projects 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 water 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 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 water, wastewater and drainage projects. Mr. Nicoladis has extensive experience with water supply, treatment and distribution projects - with specific experience in Jefferson Parish.

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; William Haensel, PE, PLS; Neil Logan, PE; 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 water 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.

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

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

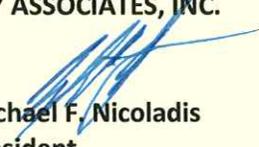
CONCLUSION:

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 the best possible value for these projects. Our team exceeds the qualifications and expertise necessary to successfully undertake this contract. We look forward to a favorable review of our qualifications.

Sincerely,

N-Y ASSOCIATES, INC.



Michael F. Nicoladis
President

N-Y TEAM ORGANIZATION CHART



Routine Engineering Services for Water Projects
in Jefferson Parish
Resolution No. 144203

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 and Structural Engineering
(Water Supply, Treatment & Distribution)**
N-Y Associates, Inc.
Constantine F. Nicoladis, PE
Fred C. Mortali, PE
James E. Simmons, PE
William Haensel, PE, PLS
Neil D. Logan, PE
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

2. N-Y ASSOCIATES, INC. *(Prime Consultant)*

TEC Professional Services Questionnaire



TEC PROFESSIONAL SERVICES QUESTIONNAIRE



A. Project Name and Advertisement Resolution Number:
 Routine Engineering Services for Water Projects in Jefferson Parish
 Resolution No. 144203

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.	BFM Corporation, LLC 15 Veterans Memorial Boulevard Kenner, LA 70062	Topographic Surveying	Yes
2.	Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Boulevard Kenner, LA 70062	Geotechnical Engineering	Yes
3.	IMC Consulting Engineers, Inc. 3120 20th Street Metairie, LA 70002	Mechanical & Electrical Engineering	Yes
J.	Please specify the total number of support personnel that may assist in the completion of this Project:		
	<u>14</u>		

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 civil and hydraulic experience with N-Y. He has extensive experience in various types of civil engineering projects including water, wastewater, storm drainage, flood control and street projects. His work includes the planning, design and construction of drainage and wastewater pump stations, force mains, and gravity lines along with water supply & treatment facilities and wastewater collection & treatment facilities.

Jefferson Parish Water System Assessment; Jefferson Parish, LA: An assessment of the Jefferson Parish water system to prioritize projects for replacement of critical water pipeline infrastructure. The assessment will provide actionable recommendations for pipe renewal and will serve as the foundation for an improved waterline evaluation, renewal and management system.

East Bank Water Treatment Plant, P2 Plant Chlorination System Evaluation; Jefferson Parish, LA: Evaluation of the Chlorination System at the P2 Plant of the 52 MGD Eastbank Water Treatment Plant, to determine the best solution to eliminate safety concerns due to insufficient space within the chlorine cylinder room.

East Bank Water Treatment Plant, New P2 Plant Chlorination Building; Jefferson Parish, LA: A new 61' x 21' chlorination building housing six (6) on-line chlorinators (2 relocated and 4 new) and a storage area to house ten (10) additional chlorine cylinders, and an overhead crane.

East Bank Water System, Bridge Repairs & Raw Water Intake Protection at East Bank Intake; Jefferson Parish, LA: Inspection of the East Bank Intake Bridge and design of associated repairs; Installation of lighted buoys, concrete sinkers & warning signs for river traffic.

P1 Plant Hydraulic Analysis; Jefferson Parish, LA: A hydraulic analysis which determined the feasibility of raising the filter backwash troughs for the P1 Plant and to determine the head loss from the precipitators to the filter effluent clearwell. The capacity of the filter backwash pump was also analyzed in an effort to increase the plant capacity.

Water Experience:

Aurora Avenue Waterline Replacement; Jefferson Parish, LA: The \$2.2 million replacement of the existing water line with a new 8" water line on Aurora Avenue between Codifer Blvd. and S I-10 Service Road E.

Jefferson Highway Waterline Replacement; Jefferson Parish, LA: The \$1.9 million replacement of the existing water line with a new 12" water line along Jefferson Highway from Filmore Street to Florida Street.

Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street Waterline Replacement; Jefferson Parish, LA: The \$3.6 million replacement of the existing water line with a new 8" water line along Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street.

Karen Avenue and Newman Avenue Waterline Replacement; Jefferson Parish, LA: The \$3.4 million replacement of the existing water line with a new 12" water line along Karen Avenue and Newman Avenue.

West Bank Water Treatment Plant Intake Building; Jefferson Parish, LA: Enlarging the existing concrete platform and adding a new corrugated metal building to house the existing water intake structure; Enclosing the raw water pumps, adding two new spray water pumps to the 4 existing pumps, and a new baffle/weir system to keep debris from entering the water intake.

Shell Potable Water Line; St. John the Baptist Parish, LA: Extension of the dead end 12" water line on Airline Highway (US 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).

Waterline Replacement Program for the French Quarter and CBD; New Orleans, LA: \$11 million waterline replacement and roadway reconstruction including 2500 LF of 8" waterline; 5000 LF of 12" waterline; 480 LF of 20" waterline; 1450 LF of 24" waterline; and 1450 LF of 30" waterline.

Waterline Replacement Project 2.4; St. Bernard Parish, LA: Replacement of the existing water lines with new 8" water lines on Lebeau between Bienvenue and St. Bernard Highway; Alezander between Judge Perez and Benjamin; and Schnell between Judge Perez and Benjamin. This project is funded by the Department of Health Drinking Water Revolving Loan Fund (DWRLF).

Installation of a New 24" Waterline along East Judge Perez Drive (Torres Drive to Bayou Road; St. Bernard Parish, LA: Installation of 5,000 LF of new 24" PVC waterline and tying a new waterline to existing lines at Torres Drive and Bayou Road, along with several off-sets to avoid conflict with existing utilities and drainage channels.

Installation of a New 24" Waterline; Violet, LA: A new 24" waterline extending approx. 3 miles to increase water pressure and provide fire protection. A hydraulic analysis was conducted in order to determine the size and residual water pressures in the line.

Water System Modeling; St. Bernard Parish, LA: N-Y created the base map showing all waterlines 6 inches and larger for the Parishwide Water System Computer Model. N-Y also completed the construction cost estimate for recommended improvements along with downloading pressure readings from pressure recorders installed at various locations. (subconsultant)

Water System Master Plan; St. Bernard Parish, LA: N-Y determined the population and boundaries for service areas, peaking factor, unaccounted for water and maximum day demand for the Parishwide Water Master Plan. With the assistance of the Parish, N-Y completed C-factor tests on larger waterlines. (subconsultant)

Elevated Water Tank; Reggio, LA: A \$1 million, 500,000 gallon elevated hydropillar water tank with fluted steel columns.

Elevated Water Tank for the Percy Griffin Community Center – Fire Water Supply; Plaquemines Parish, LA: A FEMA funded 50,000 gallon elevated water tank with steel leg columns.

Elevated Water Storage Tanks; Biloxi, MS: Four (4), one million gallon elevated water storage tanks in the Biloxi, MS area.

Spartan Drive Waterline Extension; Slidell, LA: Extension of the dead end 8" waterline on Spartan Drive east of Annette Drive approx. 3550 LF down Spartan Drive and then along Howze Beach Road to tie into an existing waterline.

Parishwide Water System Improvements, Phases I and II; St. John the Baptist Parish, LA: Comprehensive engineering and feasibility reports, as well as a computerized hydraulics model of the Parish's water distribution system to identify and evaluate required improvements. The project included over 60 miles of water line; Two 2.5 MGD water wells; 500,000 gallon elevated water storage tank; Four ground storage facilities; and 4 booster pumping stations.

In addition to the experience shown, Mr. Nicoladis has also served as Project Manager and/or Civil & Hydraulic Engineer for the following projects:

Street and Utilities (includes water, sewerage and drainage):

- St. Roch Neighborhood Street Improvements; New Orleans, LA
- Reconstruction of N. Galvez Street (Tennessee to Delery); New Orleans, LA
- Infrastructure Improvements for the Veterans Administration Medical Center (VAMC); New Orleans, LA
- Improvements to Madrid Street, Soldiers Street, and Mendez Street; New Orleans, LA
- Improvements to Desire Street; New Orleans, LA
- Improvements to Royal Street (Caffin to Charbonnet); New Orleans, LA
- Improvements to South Prieur Street (Upperline Street to Napoleon Avenue); New Orleans, LA

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)

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Baton Rouge, LA 70809

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Mr. Constantine Frank Nicoladis

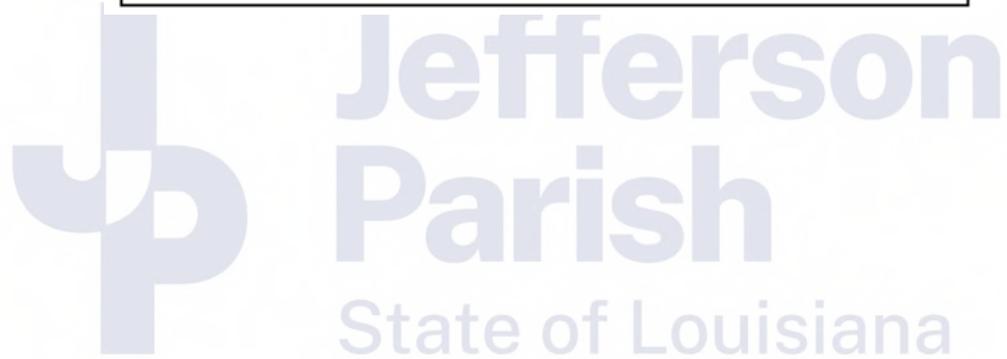
License/Certificate Type - Number

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.

Mr. Nicoladis and his firm have been working in Jefferson Parish for over 45 years and have the following types of project experience:

- **Water Supply, Treatment, Distribution and Fire Protection;**
- Wastewater Collection, Pumping and Treatment;
- Storm Drainage, including Gravity Lines and Pump Stations
- Flood Control including Levees, Floodwalls and Gates
- Streets, Highways, Bridges, and Railroads
- Port and Marine Facilities;
- Environmental Inventories, Assessments and Impact Statements;
- Conceptual and Master Planning
- Rate Studies and Financial Feasibility Studies
- Preliminary and Final Construction Plans;
- Construction Administration, Program and Construction Management

Water Experience:

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Lions Water Treatment Plant in Reserve; St. John the Baptist Parish, LA: This project increased the capacity of the existing water treatment plant from 1.25 to 2.5 MGD. A hydraulic analysis was also conducted in order to determine the capacity and head requirements of the high service pumps.

Edgard Water Treatment Plant; St. John the Baptist Parish, LA: Upgrade of the existing 0.45 MGD plant to 1 MGD. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Parishwide Water System Improvements, Phases I and II; St. James Parish, LA: A hydraulic analysis of the Parish's water distribution system to identify and evaluate required improvements. Design and construction administration for the installation of new water distribution lines.

Vacherie Water Treatment Plant; St. James Parish, LA: Upgrade of the existing 1 MGD water treatment plant to 3 MGD, including new water intake structures. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Convent Water Treatment Plant; Convent, LA: Upgrade of the existing 1 MGD plant to 1.7 MGD, and repairs to water intake pipe.

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.

Water Experience:

Aurora Avenue Waterline Replacement; Jefferson Parish, LA: The \$2.2 million replacement of the existing water line with a new 8" water line on Aurora Avenue between Codifer Blvd. and S I-10 Service Road E.

Jefferson Highway Waterline Replacement; Jefferson Parish, LA: The \$1.9 million replacement of the existing water line with a new 12" water line along Jefferson Highway from Filmore Street to Florida Street.

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Desire Hope VI Revitalization; New Orleans, LA: Master Planning and Engineering for the resubdivision and redevelopment of an existing 98 acre public housing complex into a new residential neighborhood. N-Y was also responsible for engineering all street infrastructure in the subdivision as well as the engineering of all public utilities (water, fire protection, sewerage, and stormwater drainage including modeling of the drainage basin per LADOTD criteria). N-Y also assisted in the coordination of engineering tasks for private utilities (electricity, gas, phone and cable) and landscaping. N-Y provided these services as subconsultant to another firm.

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:

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.

Waterline Replacement Project 2.4; St. Bernard Parish, LA: Replacement of the existing water lines with new 8" water lines on Lebeau between Bienvenue and St. Bernard Highway; Alezander between Judge Perez and Benjamin; and Schnell between Judge Perez and Benjamin.

Shell Potable Water Line; St. John the Baptist Parish, LA: Extension of the dead end 12" water line on Airline Highway (US 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).

Spartan Drive Waterline Extension; Slidell, LA: Extension of the dead end 8" waterline on Spartan Drive east of Annette Drive approx. 3550 LF down Spartan Drive and then along Howze Beach Road to tie into an existing waterline.

Water Experience:

➤ **With N-Y**

Aurora Avenue Waterline Replacement; Jefferson Parish, LA: The \$2.2 million replacement of the existing water line with a new 8" water line on Aurora Avenue between Codifer Blvd. and S I-10 Service Road E.

Jefferson Highway Waterline Replacement; Jefferson Parish, LA: The \$1.9 million replacement of the existing water line with a new 12" water line along Jefferson Highway from Filmore Street to Florida Street.

Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street Waterline Replacement; Jefferson Parish, LA: The \$3.6 million replacement of the existing water line with a new 8" water line along Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street.

Karen Avenue and Newman Avenue Waterline Replacement; Jefferson Parish, LA: The \$3.4 million replacement of the existing water line with a new 12" water line along Karen Avenue and Newman Avenue.

Jefferson Parish Water System Assessment; Jefferson Parish, LA: An assessment of the Jefferson Parish water system to prioritize projects for replacement of critical water pipeline infrastructure. The assessment will provide actionable recommendations for pipe renewal and will serve as the foundation for an improved waterline evaluation, renewal and management system.

Waterline Replacement Program for the French Quarter and CBD; New Orleans, LA: \$11 million waterline replacement and roadway reconstruction including 2500 LF of 8" waterline; 5000 LF of 12" waterline; 480 LF of 20" waterline; 1450 LF of 24" waterline; and 1450 LF of 30" waterline.

➤ **With Other Firms**

Water Treatment Facility No. 1; Palm Coast, FL: Pilot study for a Raw Water Main Bypass consisting of tapping the 10" bypass to the 16" main.

Program Management of the Eastbank FEMA Submerged Roads Program; Jefferson Parish, LA: Design and Construction Management of \$83 million of FEMA funded concrete and asphalt street improvements, due to damage sustained during Hurricane Katrina. N-Y is responsible for overall program implementation including the oversight of five (5) design engineers and approximately twenty (20) construction contractors.

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.

Memberships & Associations:

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

LICENSURE/CERTIFICATIONS: FRED MORTALI, PE



LOUISIANA PROFESSIONAL
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(LAPELS)
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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

Shawn Terrell
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:

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 civil engineering experience. His extensive experience includes drainage systems such as canals and pumping stations, and flood and surge control projects. He is responsible for managing these types of projects for the firm and is also responsible for the firm's transportation and structural engineering practice.

Water Experience:

Design of the Water Distribution System for the New Job Corps Center; Carville, LA: Design of a water booster station at the National Guard site which draws water from the existing National Guard water plant and ground storage tank. This booster station was designed with multiple sized pumps and pumping combinations to accommodate low and high demands along with the maximum required fire flow.

Desire Hope VI Revitalization; New Orleans, LA: Master Planning and Engineering for the resubdivision and redevelopment of an existing 98 acre public housing complex into a new residential neighborhood. N-Y was responsible for engineering all street infrastructure in the subdivision as well as the engineering of all public utilities (water, fire protection, sewerage, and stormwater drainage including modeling of the drainage basin per LADOTD criteria). N-Y also assisted in the coordination of engineering tasks for private utilities (electricity, gas, phone and cable) and landscaping. N-Y provided these services as subconsultant to another firm.

Additional Experience:**Street Projects (including utility reconstruction):**

- West Esplanade Avenue from Bonnabel Boulevard to Lake Avenue, for Jefferson Parish, LA
- West Napoleon Avenue from Houma Blvd. to Cleary Avenue in Jefferson Parish, LA
- Veterans Memorial Boulevard from David Drive to Roosevelt Boulevard in Jefferson Parish, LA
- Destrehan Avenue from Lapalco Boulevard to the West Bank Expressway in Jefferson Parish, LA
- Perimeter Road, Stages 2 and 3, at New Orleans Louis Armstrong International Airport
- Roadway and Drainage Improvements to France Road for the Port of New Orleans

Flood Control Projects:

- Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA
- Improvements to Canal No. 3; Jefferson Parish, LA
- 1,200 CFS drainage pumping station at Bayou Segnette; Jefferson Parish, LA
- Fronting Protection and Backflow Prevention at Cousins, Whitney Barataria and Estelle Pumping Stations; Jefferson Parish, LA
- Replacement of Flood Protection from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2; Jefferson Parish, LA
- Lake Cataouatche Hurricane Protection Levee; Jefferson and St. Charles Parishes, LA
- 750 cfs Interim Pump Facility at the East of Harvey Sector Gate Structure; Jefferson Parish, LA



- Interim 2100 cfs Drainage Pumping Station at the 17th Street Canal for the U. S. Army Corps of Engineers
- South Claiborne Avenue Manifold Canal for the Sewerage and Water Board of New Orleans
- Jefferson Ave Canal I, from S. Claiborne Ave to Dryades St. for the Sewerage and Water Board of New OrleansWBV-74 Western Tie-In Closure Structure (Sellars Canal Sector Gate); St. Charles Parish, LA for the USACE
- WBV 09b Hero Canal Closure Structure (Hero Canal Stop Log Structure); Plaquemines Parish, LA for the USACE
- Mississippi River Manchac Levee Enlargement; East Baton Rouge and Iberville Parishes, LA for the USACE

Port and Marine Projects:

- Rehabilitation of Berth D, Dock 2 at the Chalmette Slip for the St. Bernard Port, Harbor and Terminal District.
- Relocation of the 65,000 SF LISCO Lumber Facility and Renovations to the Existing LISCO Facility at the St. Bernard Port, Harbor and Terminal District.
- New Multi-Mission Station Building for the United States Coast Guard on Lake Pontchartrain; New Orleans, LA
- Paving of Berths 5 and 6 at the France Road Terminal, for the Port of New Orleans.

Buildings - Civil and Structural Engineering:

- New 39,000 SF Maintenance and Warehouse Facility for the Port of New Orleans.
- New 65,000 SF LISCO Lumber Manufacturing and Warehouse Facility at the St. Bernard Port, Harbor and Terminal District; Chalmette, LA
- New \$10.5 million Multi-Mission Station Building for the United States Coast Guard on Lake Pontchartrain; New Orleans, LA
- New \$15 million Job Corps Center for the United States Department of Labor, consisting of six new buildings (including warehouse); Carville, LA
- New 10,000 gsf Sub-Office Building for the USACE; Venice, LA

Highway and Bridge Projects:

- Preliminary plans and (70%) final plans for a 9,000 foot long (ground to ground) high-level bridge over the Inner Harbor Navigation Canal at Florida Avenue (1996), with a vertical clearance of 156 feet above high water.
- The at-grade portion of the Florida Avenue Bridge (1996); this project involved the design for reconstructing 3.92 miles of roadway, including P.C.C. pavement, 11,177 LF of 6" to 36" reinforced concrete storm drainage pipe, relocating 5,127 LF of 6", 36", and 48" water lines, as well as 3,029 LF of 54" and 72" sewer force mains.
- Environmental assessment, geometric study and preliminary and final plans for the new LA 1088 Interchange, Route I-12 in St. Tammany Parish.
- Feasibility Study and Environmental Inventory and an Environmental Assessment for the new Earhart Expressway/Causeway Boulevard Interchange, Jefferson Parish.
- Environmental Assessment for a New Bridge over the Harvey Canal at Harvey Boulevard in Jefferson Parish, LA for the Regional Planning Commission.

Memberships & Associations:

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

LICENSURE/CERTIFICATIONS: JAMES SIMMONS, PE



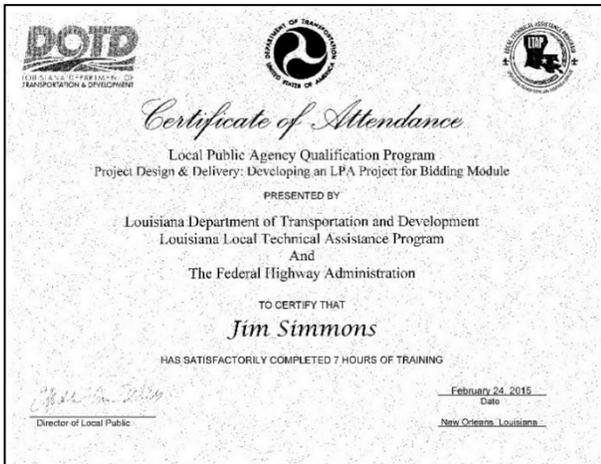
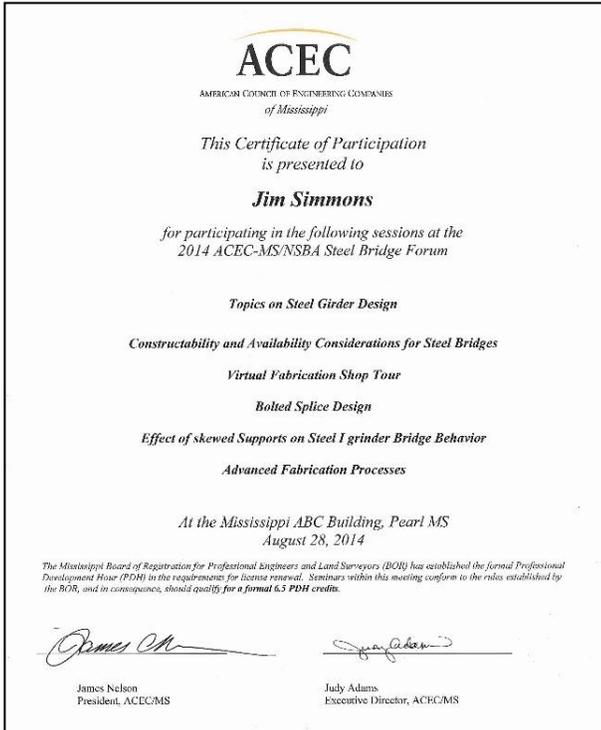
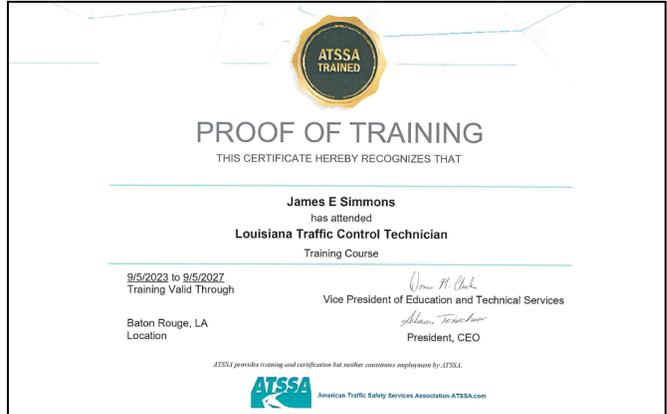
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(LAPELS)**
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Phone (225) 925-6291
www.lapels.com

Mr. James E. Simmons

License/Certificate Type - Number
PE.0019891

Expiration Date
09/30/2025

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William Haensel, PE, PLS – Senior Civil Engineer

Project Assignment:

Senior Civil 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.

Roadway & Drainage 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.

➤ **With Other Firms**

Fleur de Lis Blvd. Reconstruction: Design and Program Management (Phases I, II, and III); New Orleans, LA: The project consisted of the complete reconstruction of 8,200 linear feet (1.5 miles) of major urban divided roadway. As required by FHWA, a NEPA environmental clearance was prepared, completed, and accepted by LADOTD and FHWA. Because the corridor was bounded by residential development, significant attention was given to pedestrian access, bike paths, and construction sequencing. The project required multiple LADOTD design exceptions because of physical constraints and preservation of trees.

Savannah Drive; Jefferson Parish, LA: The design of new public roadways for access to newly developed property. A stormwater detention analysis was prepared for the street to determine pipe sizes. Design included approximately 850 linear feet of new 15" and 18" reinforced concrete drain lines to serve the area.

Henderson Street (Tchoupitoulas Street to Race Street); New Orleans, LA: The new 1,500 foot long, four lane divided roadway to serve the \$194 million Phase IV of the New Orleans Convention Center. The design included approximately 2,500 linear feet of 15", 18", 24", and 30" diameter reinforced concrete drainpipe, 10,250 square yards of Portland Cement concrete pavement, a new 16" diameter water main, and a new 12" diameter sanitary sewer main all to serve the convention center expansion.

Wilson Avenue Improvements (Dwyer Road to US Hwy 90/Chef Menteur Highway); New Orleans, LA: The design and construction of 2,400 linear feet of roadway to replace an existing four lane divided Portland Cement concrete roadway. Design included new 15", 18", 24", and 30" diameter reinforced concrete drainpipe to upgrade the existing drainage collection system, and new sanitary sewer collection mains and water mains.

West Napoleon Avenue Corridor: Design and Program Management; Jefferson Parish, LA: A 5-mile urban aerial roadway which included a major drainage canal in an urbanized area.

Hickory Ridge Lane and Ferriday Court; Jefferson Parish, LA: The new public roadway access to newly developed property. A stormwater detention analysis was prepared for the streets to determine drainage pipe sizes. Design included approximately 1,800 linear feet of new 15", 18", and 24" diameter reinforced concrete drainage pipe to serve the area. Additionally, new sanitary sewer lines and a community water distribution system was included in the design of the street.

Memberships & Associations:

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



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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 Civil and 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.

Water Experience:

East Bank Water Treatment Plant, P2 Plant Chlorination System Evaluation; Jefferson Parish, LA: Evaluation of the Chlorination System at the P2 Plant of the 52 MGD Eastbank Water Treatment Plant, to determine the best solution to eliminate safety concerns due to insufficient space within the chlorine cylinder room.

East Bank Water Treatment Plant, P2 Plant Chlorination Building; Jefferson Parish, LA: A new 61' x 21' chlorination building housing 6 on-line chlorinators (2 relocated and 4 new) and a storage area to house 10 additional chlorine cylinders, and an overhead crane.

East Bank Water System, Bridge Repairs & Raw Water Intake Protection at East Bank Intake; Jefferson Parish, LA: Inspection of the East Bank Intake Bridge and design of associated repairs; Installation of lighted buoys, concrete sinkers and warning signs for river traffic.

West Bank Water Treatment Plant Intake Building & Other Improvements; Jefferson Parish, LA: Enlarging the existing concrete platform and adding a new corrugated metal building to house the existing water intake structure; Enclosing the raw water pumps, adding two new spray water pumps to the 4 existing pumps, and a new baffle/weir system to keep debris from entering the water intake.

Parishwide Water System Improvements, Phases I and II; St. John the Baptist Parish, LA: Comprehensive engineering, Feasibility reports, and a computerized hydraulics model of the Parish's water distribution system to identify and evaluate required improvements. The project included over 60 miles of water line; Two 2.5 MGD water wells; 500,000 gallon elevated water storage tank; Four ground storage facilities; and 4 booster pumping stations.

Lions Water Treatment Plant in Reserve; St. John the Baptist Parish, LA: This project included increasing the capacity of the existing water treatment plant from 1.25 to 2.5 MGD. A hydraulic analysis was also conducted in order to determine the capacity and head requirements of the high service pumps.

Edgar Water Treatment Plant; St. John the Baptist Parish, LA: Upgrade of the existing 0.45 MGD plant to 1 MGD. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Vacherie Water Treatment Plant; St. James Parish, LA: Upgrade of the existing 1 MGD water treatment plant to 3 MGD, including new water intake structures. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Convent Water Treatment Plant; Convent, LA: Upgrade of the existing 1 MGD plant to 1.7 MGD, and repairs to water intake pipe.

Memberships & Associations:

- American Society of Civil Engineers

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:

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 23 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

09/30/2024

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:

Water Experience:

Aurora Avenue Waterline Replacement; Jefferson Parish, LA: The \$2.2 million replacement of the existing water line with a new 8" water line on Aurora Avenue between Codifer Blvd. and S I-10 Service Road E.

Jefferson Highway Waterline Replacement; Jefferson Parish, LA: The \$1.9 million replacement of the existing water line with a new 12" water line along Jefferson Highway from Filmore Street to Florida Street.

Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street Waterline Replacement; Jefferson Parish, LA: The \$3.6 million replacement of the existing water line with a new 8" water line along Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street.

Karen Avenue and Newman Avenue Waterline Replacement; Jefferson Parish, LA: The \$3.4 million replacement of the existing water line with a new 12" water line along Karen Avenue and Newman Avenue.

Jefferson Parish Water System Assessment; Jefferson Parish, LA: An assessment of the Jefferson Parish water system to prioritize projects for replacement of critical water pipeline infrastructure. The assessment will provide actionable recommendations for pipe renewal and will serve as the foundation for an improved waterline evaluation, renewal and management system.

East Bank Water Treatment Plant, P2 Plant Chlorination System Evaluation; Jefferson Parish, LA: Evaluation of the Chlorination System at the P2 Plant of the 52 MGD Eastbank Water Treatment Plant, to determine the best solution to eliminate safety concerns due to insufficient space within the chlorine cylinder room.

East Bank Water Treatment Plant, P2 Plant Chlorination Building; Jefferson Parish, LA: A new 61' x 21' chlorination building housing 6 on-line chlorinators (2 relocated and 4 new) and a storage area to house 10 additional chlorine cylinders, and an overhead crane.

East Bank Water System, Bridge Repairs & Raw Water Intake Protection at East Bank Intake; Jefferson Parish, LA: Inspection of the East Bank Intake Bridge and design of associated repairs; Installation of lighted buoys, concrete sinkers and warning signs for river traffic.

P1 Plant Hydraulic Analysis; Jefferson Parish, LA: A hydraulic analysis to determine the feasibility of raising the filter backwash troughs for the P1 Plant and to determine the head loss from the precipitators to the filter effluent clearwell. The capacity of the filter backwash pump was also analyzed in an effort to increase the plant capacity.

West Bank Water Treatment Plant Intake Building; Jefferson Parish, LA: Enlarging the existing concrete platform and adding a new corrugated metal building to house the existing water intake structure; Enclosing the raw water pumps, adding two new spray water pumps to the 4 existing pumps, and a new baffle/weir system to keep debris from entering the water intake.

Shell Potable Water Line; St. John the Baptist Parish, LA: Extension of the dead end 12" water line on Airline Highway (US 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).

Waterline Replacement Program for the French Quarter and CBD; New Orleans, LA: \$11 million waterline replacement and roadway reconstruction including 2500 LF of 8" waterline; 5000 LF of 12" waterline; 480 LF of 20" waterline; 1450 LF of 24" waterline; and 1450 LF of 30" waterline.

Waterline Replacement Project 2.4; St. Bernard Parish, LA: Replacement of the existing water lines with new 8" water lines on Lebeau between Bienvenue and St. Bernard Highway; Alezander between Judge Perez and Benjamin; and Schnell between Judge Perez and Benjamin. This project is funded by the Department of Health Drinking Water Revolving Loan Fund (DWRLF).

Installation of a New 24" Waterline along East Judge Perez Drive (Torres Drive to Bayou Road); St. Bernard Parish, LA: Installation of 5,000 LF of new 24" PVC waterline and tying a new waterline to existing lines at Torres Drive and Bayou Road, along with several off-sets to avoid conflict with existing utilities and drainage channels.

Installation of a New 24" Waterline; Violet, LA: A new 24" waterline extending approx. 3 miles to increase water pressure and provide fire protection. A hydraulic analysis was conducted in order to determine the size and residual water pressures in the line.

Elevated Water Tank; Reggio, LA: A \$1 million, 500,000 gallon elevated hydropillar water tank with fluted steel columns.

Parishwide Water System Improvements, Phases I and II; St. John the Baptist Parish, LA: Comprehensive engineering and feasibility reports, as well as a computerized hydraulics model of the Parish's water distribution system to identify and evaluate required improvements. The project included over 60 miles of water line; Two 2.5 MGD water wells; 500,000 gallon elevated water storage tank; Four ground storage facilities; and 4 booster pumping stations.

Lions Water Treatment Plant in Reserve; St. John the Baptist Parish, LA: This project increased the capacity of the existing water treatment plant from 1.25 to 2.5 MGD. A hydraulic analysis was also conducted in order to determine the capacity and head requirements of the high service pumps.

Eldgard Water Treatment Plant; St. John the Baptist Parish, LA: Upgrade of the existing 0.45 MGD plant to 1 MGD. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Parishwide Water System Improvements, Phases I and II; St. James Parish, LA: A hydraulic analysis of the Parish's water distribution system to identify and evaluate required improvements. Design and construction administration for the installation of new water distribution lines.

Vacherie Water Treatment Plant; St. James Parish, LA: Upgrade of the existing 1 MGD water treatment plant to 3 MGD, including new water intake structures. A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.

Convent Water Treatment Plant; Convent, LA: Upgrade of the existing 1 MGD plant to 1.7 MGD, and repairs to water intake pipe.

Sitework & Utilities (includes water, drainage & sewer):

- Sewerage, drainage, and waterline improvements at the Lafitte Public Housing Development; New Orleans, LA: The project involved the replacement of 20,500 LF of 4" to 8" sewer line, 6,500 LF of 1" to 12" water line, and 4,250 LF of 6" to 10" drainage line.
- Sewerage, drainage, and waterline improvements at the St. Bernard Public Housing Development for the Housing Authority of New Orleans.
- HOPE VI Development of Desire, New Orleans, LA: Master Plan for creating a new residential subdivision on a 98 acre site previously occupied by a public housing complex.
- All Sitework (including Streets, Parking, Drainage, Water, and Sewerage), for the United States Department of Labor Job Corps Center, a Six Building Campus at Carville, LA.
- Elaine P. Nunez Community College, Multi-Purpose Building; Chalmette, LA
- Eastbank Regional Library and Library Headquarters; Jefferson Parish, LA
- Family Doctor's Medical Clinic; Marrero, LA.
- Bachelor Enlisted Quarters at Naval Air Station; New Orleans, LA.
- Parking Lot for Southeastern University; Hammond.
- Lakeway Center Office Complex; Metairie, LA

Memberships & Associations:

- American Society of Certified Engineering Technicians



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October 14-15, 2008

Baton Rouge, Louisiana

Sandra Romero
Authorized By

LTRC
Louisiana Transportation Research Center

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chris LeMay, CADD/GIS

Project Assignment:

CADD/GIS Technician

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

4 Year / 20 Years with Other Firms

Education: Degree(s)/Year/Specialization:

Associate of Science/Computer-Aided Drafting

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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

Jefferson Parish Water System Assessment; Jefferson Parish, LA: An assessment of the Jefferson Parish water system to prioritize projects for replacement of critical water pipeline infrastructure. The assessment will provide actionable recommendations for pipe renewal and will serve as the foundation for an improved waterline evaluation, renewal and management system.

West Shore Lake Pontchartrain, WSLP-109, Levees and Floodwalls; St. John the Baptist Parish, LA: 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 Experience:**➤ With N-Y**

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).

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 LADTOD 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.

➤ With Other Firms

Viola Street Widening; St. Tammany Parish, LA: CAD drawings for the street milling, overlay and widening of lanes throughout Viola Street in St. Tammany Parish.

HMGP Elevation of Parish Roads, Coast Guard Road; Plaquemines Parish, LA: CAD drawings for the proposed 2-foot elevation and stabilization for Coast Guard Road using AutoCAD Civil 3D and Storm & Sanitary Analysis software from surveys, shapefiles, parcels and Hydrologic & Hydraulic (H&H Studies). Mr. LeMay also worked on creating a proposed gravity pipe network for stormwater improvements.

Concrete Pavement Repair and Replacement; St. Bernard Parish, LA: CAD drawings from hand sketches, field notes and manufacturer specs. Mr. LeMay assisted in the design and construction of Portland cement concrete pavement repairs in the Chalmette Vista and Buccaneer Villa neighborhoods of St. Bernard Parish.

Asphalt Roadway Restoration; St. Bernard Parish, LA: CAD drawings for the mill and overlay of existing asphalt roadways, base repairs and replacements, and repair or replacement of adjacent curb and gutter, driveways, and sidewalks at various locations.

Certificate of Completion for successfully completing

Autodesk

Revit 2020 Fundamentals

24 contact hours
November 19, 20, 23 & 24

Chris LeMay

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:

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.

Certificate of Completion for successfully completing

Autodesk

Revit 2020 Fundamentals

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.

Brown & Root, Inc., Petro-Chem Star Enterprise (TEXACO) (1995-1996): Mr. Thompson served as a Project Superintendent for Brown & Root, Inc. for Petro-Chem Star Enterprise (TEXACO). He was responsible for the planning and scheduling of various projects.

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:

Quality Assurance Experience:

➤ **With N-Y**

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.

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.

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.

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.

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.

➤ **With Other Firms**

Thirty years of experience in utilities maintenance and technical support services with the Sewerage and Water Board of New Orleans (1982-2012)

In this role, Mr. Mitchell's responsibilities included the following:

- 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.

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>Jefferson Parish - Water System Replacement Program; 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 style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE P. Claverie, EI, MS D. Voss, NICET C. LeMay, CADD</p> </div>	<p>A. Aurora Avenue Waterline Replacement Design, Bidding, Construction Administration, and Resident Inspection for utility replacement and roadway reconstruction along Aurora Avenue between Codifer Blvd. and the S I-10 Service Road E including:</p> <ul style="list-style-type: none"> • Replacement of 3,200 LF of existing 8" waterline including gate valves, new service connections and new fire hydrants. • Removal and reconstruction of the existing roadway as required. • Sidewalk, ADA ramp and driveway apron replacement as required. <p>B. Jefferson Highway Waterline Replacement Design, Bidding, Construction Administration, and Resident Inspection for utility replacement and roadway reconstruction along Jefferson Highway from Filmore Street to Florida Street including:</p> <ul style="list-style-type: none"> • Replacement of 2,919 LF of existing 12" waterline including gate and valve boxes, new service connections and new fire hydrants. • Removal and reconstruction of the existing roadway as required. • Sidewalk, ADA ramp and driveway apron replacement as required.  <p>C. Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street Waterline Replacement Design, Bidding, Construction Administration, and Resident Inspection for utility replacement and roadway reconstruction along Airline Drive, N. Meadow Street, Laurel Street, N. Elm Street and Market Street including:</p> <ul style="list-style-type: none"> • Replacement of 7,949 LF of existing 8" waterline including gate valves, new service connections and new fire hydrants. • Removal and reconstruction of the existing roadway as required. • Sidewalk, ADA ramp and driveway apron replacement as required. <p>D. Karen Avenue and Newman Avenue Waterline Replacement Design, Bidding, Construction Administration, and Resident Inspection for utility replacement and roadway reconstruction along Karen Avenue and Newman Avenue including:</p> <ul style="list-style-type: none"> • Replacement of 1,191 LF of existing 12" waterline and 4,370 LF of existing 8" waterline including gate valves, new service connections and new fire hydrants. • Removal and reconstruction of the existing roadway as required. • Sidewalk, ADA ramp and driveway apron replacement as required. 	
<p>Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2025	<p>A. \$2.2 million; B. \$1.9 million; C. \$3.6 million; D. \$3.4 million</p>	100%

PROJECT NO. 2

PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish - Water System Assessment Program; 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 style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE D. Voss, NICET C. LeMay, CADD/GIS</p> </div>	<p>Jefferson Parish has over 1,700 miles of waterlines. The Public Works Director and the Director of Water expressed concern that the Parish's aging infrastructure has a high rate of failure, and that scarce financial resources are constantly being spent on expensive emergency point repairs to maintain the system's level of service. Therefore, Jefferson Parish engaged N-Y to develop an actionable program to replace aged pipelines prone to failure.</p> <p>N-Y is building upon previous work performed in a 2008 assessment to provide a new assessment and near term (5-year) plan prioritizing the most critical water pipeline infrastructure for replacement. This will provide the Parish with the tools to wisely spend limited resources on preventative maintenance, instead of costly emergency repairs. The 5-year Plan will include actionable recommendations for pipe renewal and will remain within the budgetary guidelines provided by the Parish.</p> <p>The N-Y Team held a two-day workshop with Parish staff to accomplish the following: identify critical failures since the 2008 Assessment; identify capital renewal projects implemented since the 2008 assessment or planned within the next two years; agree on methodology to estimate pipe age where age is uncertain; identify criteria which the Parish desires to have considered for select, specific cases; identify criteria important to Jefferson Parish will be useful in framing the approach to refine and update the 2008 Assessment prioritization list including updating the cost estimates to replace these critical waterlines; identify and define transmission versus distribution water mains; and identify Parish spending limits for five-year renewal program.</p> <p>N-Y will also complete the following:</p> <ul style="list-style-type: none"> • Data Evaluations • Initial Critical Water Main Identification Using Assessment Ranking • Visioning Process to Determine Parish Priorities and Prepare Foundation for Sustainable Water System Assessment Program • Revise Data Evaluations • Revise Critical Watermain Identification Using Assessment Ranking • Prepare the 5-yr Plan-Watermain Renewal Report • Identify GIS and Oracle Work-Order Database deficiencies to streamline approach adopted by Parish staff • Assist Parish in evaluating best-suited software and approach to update and evolve water main management program • Develop annual preliminary budgetary-level cost opinions • Watermain Assessment Program (WA Program) 	
	Completion Date (Actual or Estimated):	Estimated Cost:
	Entire Project:	Work for which Firm was Responsible:
2022 (Study)	\$150 million	100%

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Various Assignments at the East Bank and West Bank Water Treatment Plants 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="196 898 464 1083" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>A. P2 PLANT CHLORINATION SYSTEM EVALUATION This study included the evaluation of the Chlorination System at the P2 Plant of the 52 MGD Eastbank Water Treatment Plant in Jefferson Parish, Louisiana, to determine the best solution to eliminate safety concerns due to insufficient space within the chlorine cylinder room. Also included was an interim solution for a new roll-up door to the existing chlorine cylinder room to address safety concerns by allowing easier access for cylinder swap-outs and hook-ups.</p> <p>B. P2 PLANT CHLORINATION BUILDING Design and construction administration for a new 61' x 21' chlorination building housing six (6) on-line chlorinators (2 relocated and 4 new) and a storage area to house ten (10) additional chlorine cylinders, and an overhead crane.</p> <div data-bbox="722 825 1094 1077" style="text-align: center;">  </div> <div data-bbox="1127 825 1511 1077" style="text-align: center;">  </div> <p>C. P1 PLANT HYDRAULIC ANALYSIS A hydraulic analysis which determined the feasibility of raising the filter backwash troughs for the P1 Plant and to determine the head loss from the precipitators to the filter effluent clearwell. The capacity of the filter backwash pump was also analyzed in an effort to increase the plant capacity.</p> <div data-bbox="881 1356 1386 1696" 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. 2001 (Study) B. 2005 C. 1997</p>	<p>A. \$40,000 (Fee) B. \$400,000 C. \$186,000</p>	<p>100%</p>

PROJECT NO. 3 (Continued)

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Various Assignments at the East Bank and West Bank Water Treatment Plants 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="256 856 509 1045" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><u>N-Y Personnel:</u> F. Nicoladis, PE C. Nicoladis, PE N. Logan, PE D. Voss, NICET</p> </div> 	<p>D. NEW WEST BANK INTAKE BUILDING Design, bidding, construction administration, and resident inspection for enlarging the existing concrete platform and adding a new, 64' x 32', corrugated metal building to house the existing water intake structure. The project included enclosing the raw water pumps, adding two (2) new spray water pumps to the four (4) existing pumps, and a new baffle/weir system to keep debris from entering the water intake. Also included was the addition of three (3), 24" diameter pipe pile dolphins in front of the baffle system to protect the intake from shipping traffic.</p> <div style="display: flex; justify-content: space-around;">   </div>  <p>E. BRIDGE REPAIRS AND RAW WATER INTAKE PROTECTION AT EAST BANK INTAKE:</p> <ol style="list-style-type: none"> i. Inspection of the East Bank Intake Bridge and design of associated repairs utilizing new I-beams beneath the deck to strengthen the bridge and repairs to the concrete utilizing high-strength grout. ii. Installation of lighted buoys moored to piles and concrete sinkers and warning signs to provide warnings to river traffic. The projects required permits from the US Coast Guard, US Army Corps of Engineers and the LA Department of Natural Resources. 	
<p align="center">Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p align="center">D. 2003 E. 2007</p>	<p>D. \$600,000 E. \$350,000</p>	<p align="center">100%</p>

PROJECT NO. 4

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Spartan Drive Waterline Extension; Slidell, LA</p> <p>Owner: City of Slidell 2045 2nd Street, Suite 304 Slidell, LA 70458</p> <p>Contact: Mr. Blaine Clancy, Director of Engineering (985) 646-4270</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><u>N-Y Personnel:</u> F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE D. Voss, NICET</p> </div>	<p>Design, bidding, and construction administration for extending the dead end 8" waterline on Spartan Drive east of Annette Drive approximately 3550 LF down Spartan Drive and then along Howze Beach Road to tie into an existing waterline.</p>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	\$300,000	100%

PROJECT NO. 5

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Waterline Replacement Program for the French Quarter and CBD New Orleans, LA

Owner:
Sewerage and Water Board of New Orleans
625 St. Joseph St.
New Orleans, LA 70165

Contact:
Ron Spooner, PE
General Superintendent
(504) 865-0409

FEMA Funded

N-Y Personnel:

F. Nicoladis, PE
C. Nicoladis, PE
M. Nicoladis, EI, MBA
F. Mortali, PE
D. Voss, NICET
C. LeMay

A. Waterline Replacement and Roadway Reconstruction for portions of the Central Business District, French Quarter, and Iberville Neighborhoods

Preliminary and Final Plans, construction administration and resident inspection for waterline replacement and roadway reconstruction.

8" Waterline	2,500 LF
12" Waterline	5,000 LF
20" Waterline	480 LF
24" Waterline	1,450 LF
30" Waterline	1,450 LF

B. Utility Replacement and Roadway Reconstruction on Decatur and St. Peter Streets

Preliminary and Final Plans, Construction Administration and Resident Inspection for utility replacement and roadway reconstruction for 3 blocks of Decatur Street and 1 block of St. Peter Street including:

- Replacement of 1471 LF of existing 24" waterline including gate valves and valve boxes, new service connections and new fire hydrants.
- CIPP Lining of 1433 LF of sewer line and 1719 LF of house connections
- Removal of existing drainage lines and replacement with 2919 LF of 18" drain line
- Removal and reconstruction of the existing roadway
- Sidewalk and ADA ramp replacement, as required



Completion Date (Actual or Estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

A. 2018
B. 2025

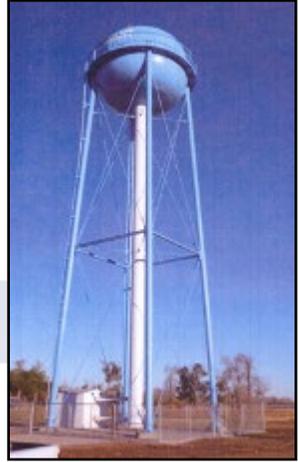
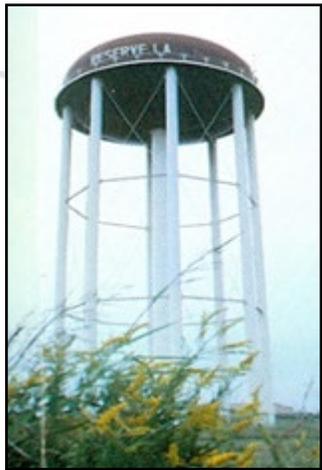
A. \$11 million
B. \$5.0 million est.

100%

PROJECT NO. 6

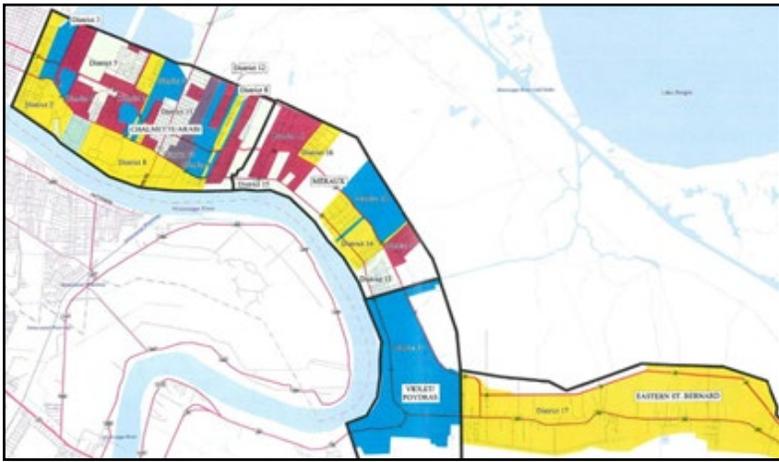
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Distribution Projects St. Bernard Parish, LA</p> <p>Owner: St. Bernard Parish Department of Public Works 1125 East St. Bernard Hwy Chalmette, LA 70043</p> <p>Contact: Hillary Nunez Director of Public Works (504) 278-4300</p> <div data-bbox="180 867 436 1052" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE F. Mortali, PE D. Voss, NICET</p> </div> <div data-bbox="183 1169 781 1549" style="text-align: center;">  </div> <div data-bbox="854 1054 1455 1434" style="text-align: center;">  </div>	<p>A. Waterline Replacement Project 2.4 Design, Bidding and Construction Administration for this project which includes the replacement of existing water lines with new 8" water lines on Lebeau between Bienvenue and St. Bernard Highway; Alexander between Judge Perez and Benjamin; and Schnell between Judge Perez and Benjamin. This project is funded by the Department of Health Drinking Water Revolving Loan Fund (DWRLF).</p> <p>B. Installation of a New 24" Waterline Along East Judge Perez Drive (Torres Drive To Bayou Road) Design, bidding, construction administration, and resident inspection services for the installation of 5,000 LF of new 24" PVC waterline along East Judge Perez Drive. The project included tying a new waterline to existing lines at Torres Drive and Bayou Road, along with several off-sets to avoid conflict with existing utilities and drainage channels.</p> <p>C. Installation of A New 24" Waterline In Violet, LA Design, bidding, construction administration and resident inspection of a new, 24" water line in Violet, extending approximately 3 miles to increase water pressure and provide fire protection. A hydraulic analysis was conducted in order to determine the size and residual water pressures in the line.</p>	
<p align="center">Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p align="center">A. 2018 B. 2001 C. 1993</p>	<p>A. \$1.7 million B. \$500,000 C. \$1.4 million</p>	<p align="center">100%</p>

PROJECT NO. 7

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Elevated Water Tanks in Louisiana:</p> <p>A. Design of an Elevated Water Tank in Reggio, LA</p> <p>Owner: St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043 Hillary Nunez (504) 278-4300</p> <p>B. Elevated Water Tank for the Percy Griffin Community Center – Fire Water Supply; Plaquemines Parish, LA</p> <p>Owner: Plaquemines Parish Government 106 Avenue G Belle Chasse, LA 70037 Ken Dugas, PE (504) 934-6116</p> <p>C. Elevated Water Tank in Reserve, LA</p> <p>Owner: St. John the Baptist Parish 1801 West Airline Highway Laplace, LA 70068 Jaclyn Hotard, Parish President (985) 652-9569</p>	<p>A. Elevated Water Tank in Reggio, LA Design, bidding, construction administration, and resident inspection for a 500,000 gallon, elevated hydropillar water tank with fluted steel columns.</p> <p>B. Elevated Water Tank for the Percy Griffin Community Center – Fire Water Supply Design, bidding, construction administration, and resident inspection for a FEMA funded 50,000 gallon, elevated water tank with steel leg columns.</p> <p>C. Elevated Water Tank in Reserve, LA Design, Bidding and Construction Administration for an elevated water storage tank which serves the town of Reserve, as well as an industrial park.</p>	  
<p>Completion Date (Actual or Estimated):</p>	<p align="center">Estimated Cost:</p>	
<p>A. 2005 B. 2011 C. 1980</p>	<p align="center">Entire Project:</p> <p>A. \$1 million B. \$500,000 C. \$300,000</p>	<p align="center">Work for which Firm was Responsible:</p> <p align="center">100%</p>

N-Y Personnel:
F. Nicoladis, PE
C. Nicoladis, PE
D. Voss, NICET

PROJECT NO. 8

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Modeling and Master Planning St. Bernard Parish, LA</p> <p>a. Water System Modeling St. Bernard Parish, LA</p> <p>b. Water System Master Plan St. Bernard Parish, LA</p> <p>Owner: St. Bernard Parish Department of Public Works 1125 East St. Bernard Highway Chalmette, LA 70043</p> <p>Contact: Hillary Nunez Director of Public Works (504) 278-4300</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE D. Voss, NICET</p> </div>	<p>a. Water System Modeling: N-Y created the base map showing all waterlines 6 inches and larger for the Parishwide Water System Computer Model. N-Y also completed the construction cost estimate for recommended improvements along with downloading pressure readings from pressure recorders installed at various locations throughout St. Bernard Parish.</p> <p>b. Water System Master Plan: N-Y determined the population and boundaries for service areas, peaking factor, unaccounted for water and maximum day demand for the Parishwide Water Master Plan. With the assistance of the Parish, N-Y completed C-factor tests on larger waterlines.</p> <div style="text-align: center; margin-top: 20px;">  </div>	
	Estimated Cost:	
Completion Date (Actual or Estimated):	Entire Project:	Work for which Firm was Responsible:
<p>a. 2000</p> <p>b. 2004</p>	<p>a. N/A</p> <p>b. N/A</p>	<p align="center">100%</p>

PROJECT NO. 9

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Street and Utility Reconstruction Projects for the City of New Orleans, LA

Over the past thirty-five (35) years, N-Y has prepared plans and specifications, and provided construction engineering, for the reconstruction of over twenty (20) miles of concrete and asphalt urban streets in the City of New Orleans, with a total construction value of over \$50 million. **Each project included intersection improvements, and the replacement of all water, sewer, and drainage utilities.**

Owner:
City of New Orleans, Dept. of Public Works
1300 Perdido Street
New Orleans, LA

Contact:
Nguyen Phan, PE,
Chief Engineer
(504) 658-8044

- a. Tchoupitoulas Corridor Signage and Striping (Henry Clay to Melpomene)
- b. VAMC and UMC Infrastructure Improvements; S. Galvez & Canal Streets
- c. St. Roch Neighborhood
- d. N. Galvez Street (Tennessee to Delery)
- e. Desire Street (N. Dorgenois to N. Roman)
- f. Royal Street (Caffin-Charbonnet)
- g. S. Prieur Street (Upperline to Napoleon)
- h. Madrid, Mendez and Soldiers Streets
- i. Press Drive
- j. 88-8-C1 *
- k. Tchoupitoulas Street, Phase I
- l. 85-10-B2 *
- m. 84-3 *
- n. 83-12- D1/D2 *
- o. Freret Street
- p. 7th Year Program
- q. 6th Year Program



b. South Galvez Street



b. Canal Street

N-Y Personnel:
F. Nicoladis, PE
J. Simmons, PE
M. Nicoladis, EI, MBA
C. Nicoladis, PE
F. Mortali, PE
D. Voss, NICET

*** Project included multiple streets**

Completion Date (Actual or Estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

a. 2018; b. 2017; c. 2016; d. 2016; e. 2008; f. 2004; g. 2004; h. 2002; i. 1996; j. 1996; k. 1996; l. 1990; m. 1989; n. 1988; o. 1985; p. 1983; q. 1982

a. \$450,000; b. \$15 million; c. \$4 million; d. \$7 million; e. \$4 million; f. \$580,000; g. \$820,000; h. \$1 million; i. \$1 million; j. \$2.5 million; k. \$1.4 million; l. \$1.4 million; m. \$1.5 million; n. \$2.7 million; o. \$1.2 million; p. \$1.8 million; q. \$1.3 million

100%

PROJECT NO. 10

<p>Project Name, Location and Owner's contact information:</p>	<p align="center">Nature of Firm's Responsibility:</p>	
<p>Water Treatment Plants</p> <p>A. St. John the Baptist Parish</p> <p>i. Lions Water Treatment Plant in Reserve</p> <p>ii. Edgard Water Treatment Plant</p> <p>Owner: St. John the Baptist Parish Dept. of Public Works 1801 West Airline Hwy. LaPlace, LA 70068</p> <p>Contact: Jaclyn Hotard Parish President (985) 652-9569</p> <div data-bbox="120 1205 370 1354" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>A. St. John the Baptist Parish Water Treatment Plants</p> <p>i. Lions Water Treatment Plant in Reserve</p> <p>Design, bidding and construction administration to increase the capacity of the existing water treatment plant from 1.25 to 2.5 MGD.</p> <ul style="list-style-type: none"> ▪ <i>The design included raw water pumping, solids contact clarification, rapid sand filtration, backwash pumping, clearwell storage, chemical feed, chlorination, transfer pumping, high service pumping, and flow measurement.</i> ▪ A hydraulic analysis was conducted in order to determine the capacity and head requirements of the high service pumps.  <p>ii. Edgard Water Treatment Plant</p> <p>Design, bidding and construction administration to upgrade the existing 0.45 MGD plant to 1 MGD.</p> <ul style="list-style-type: none"> ▪ <i>The design provided raw water pumping, solids, contact clarification, rapid sand filtration, backwash, pumping, clearwell storage, chemical feed, chlorination, transfer pumping, high service pumping, raw water and high service flow measurement, wastewater treatment and pumping, standby power generation, and site improvements.</i> ▪ A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps. 	
<p>Completion Date (Actual or Estimated):</p>	<p align="center">Estimated Cost:</p>	
<p align="center">A. i. 1976</p>	<p align="center">Entire Project:</p> <p align="center">i. \$600,000</p>	<p align="center">Work for which Firm was Responsible:</p>
<p align="center">ii. 1977</p>	<p align="center">ii. \$750,000</p>	<p align="center">100%</p>

PROJECT NO. 10 (Continued)

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Treatment Plants</p> <p>B. St. James Parish</p> <p>i. Vacherie Water Treatment Plant</p> <p>ii. Convent Water Treatment Plant</p> <p>Owner: St. James Parish, LA New Courthouse Building River Road Convent, LA 70723</p> <p>Contact: Pete Dufresne Parish President (225) 562-2260</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><u>N-Y Personnel:</u> F. Nicoladis, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>B. St. James Parish Water Treatment Plants</p> <p>i. Vacherie Water Treatment Plant Design, bidding and construction administration to upgrade the existing 1 MGD water treatment plant to 3 MGD, including new water intake structures.</p> <ul style="list-style-type: none"> ▪ <i>The project included raw water pumping, solids contact clarification, rapid sand filtration, backwash pumping, clearwell storage, chemical feed, chlorination, transfer pumping, high service flow measurement, wastewater treatment, pumping and site improvements.</i> <p>A hydraulic analysis was performed to determine the capacity and head requirements of the high service pumps.</p>  <p>ii. Convent Water Treatment Plant Design, bidding and construction administration to upgrade the existing 1 MGD plant to 1.7 MGD, and repairs to the water intake pipe.</p> <p><i>The design provided solids contact clarification and rapid sand filtration. A hydraulic analysis was conducted in order to determine the capacity and head requirements of the high service pumps.</i></p> 	
<p align="center">Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p align="center">B. i. 1976 ii. 1977</p>	<p align="center">i. \$900,000 ii. \$750,000</p>	<p align="center">100%</p>

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. Capacity for Timely Completion
 - 3. Location of the Principal Office
 - 4. Adversarial Legal Proceedings
 - 5. Prior Successful Completion of Projects
 - 6. Size of Firm
 - 7. Past Performance
- 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 in the disciplines involved:
 - 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
 - Neil Logan, PE
LA PE No. 14607, Expires 03/31/2025
63 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 professional services to support these Program Management activities for 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, a 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 parish and municipal water, wastewater and drainage projects. Mr. Nicoladis has extensive experience with water supply, treatment and distribution projects - with specific experience in Jefferson Parish.

Mr. Nicoladis will be supported by a team of senior engineers and support personnel with over 20 years average experience, as outlined below. Most of these professionals have been with N-Y over fifteen (15) years.

- **Fred Mortali, PE:** Civil & Hydraulic Engineer with a Bachelor of Engineering in Civil Engineering and 31 years experience.
- **James Simmons, PE:** Senior Civil & Structural Engineer, who has a B.S in Civil Engineering and 47 years experience.
- **William Haensel, PE, PLS:** Senior Civil Engineer, who has a B.S and a M.S. in Civil Engineering and 56 years experience.
- **Neil Logan, PE:** Senior Civil & Structural Engineer, who has a B.S. in Civil Engineering and 63 years of experience.
- **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.

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

➤ 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.

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

➤ Experience

In addition to the project experience outlined in Section L of this form, N-Y also has the following relevant water experience:



Elevated Water Storage Tank No. 1, Popp's Ferry Road: Design, bidding and construction administration services for a one (1) million gallon elevated water tank, including surface preparation and painting of interior and exterior.

Elevated Water Storage Tank No. 2, Cedar Lake Road & I-10: Design, bidding, and construction administration for a **one (1) million gallon elevated water storage tank.**



Elevated Water Storage Tank No. 3; East Biloxi: Design, bidding, and construction administration for a **one (1) million gallon elevated water storage tank.** N-Y utilized the EPA.Net Program to model the water system for the East Biloxi area to confirm the capacity and elevation of the water tank.

Elevated Water Storage Tank No. 4; Woolmarket: Design, bidding, and construction administration for a **one (1) million gallon elevated water storage tank.** N-Y utilized the EPA.Net Program to model the water system for the Woolmarket area to confirm the capacity and elevation of the water tank.



2. CAPACITY FOR TIMELY COMPLETION

The N-Y Team has ample capacity of personnel, computer software and equipment to provide any anticipated 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, illness and other absences.

3. 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.

4. ADVERSARIAL LEGAL PROCEEDINGS

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

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

N-Y has been providing engineering services in Jefferson Parish continuously for over forty-five (45) years and has successfully completed many projects for the Parish. N-Y's has provided professional services for the following water projects in Jefferson Parish and southeast Louisiana:

- Various Assignments at the East Bank and West Bank Water Treatment Plants in Jefferson Parish
- Shell Potable Water Line in St. John the Baptist Parish
- \$11 million waterline replacement program for the French Quarter and CBD in New Orleans
- Water Distribution, Modeling and Master Planning Projects in St. Bernard Parish
- Numerous Elevated Water Tanks in Louisiana and Mississippi
- Street and Utility Reconstruction Projects in New Orleans
- Lions and Edgard Water Treatment Plants in St. John the Baptist Parish
- Vacherie and Convent Water Treatment Plants in St. James Parish

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

6. SIZE OF FIRM

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

7. 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 thirty-five (35) 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 thirty (30), 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 / SLFPA-E
- 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
- St. John the Baptist Parish School Board
- Lafourche Parish School Board
- Regional Planning Commission

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
- Federal Emergency Management Agency

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: 6/21/2024

N-Y ASSOCIATES, INC. LICENSE

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

3. IMC CONSULTING ENGINEERS, INC. *(Subconsultant: Mechanical & Electrical Engineering)*

TEC Professional Services Questionnaire



IMC

CONSULTING ENGINEERS

INC.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects in Jefferson Parish. Resolution No. 144203

B. Firm Name & Address:

IMC Consulting Engineers, Inc.
2714 Independence Street
Metairie, LA 70006

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:

Paul S. Vlosich, P.E. and Director of Municipal Projects
504.831.9119
pvlosich@imcconsultingengineers.com
Licensed Professional Engineer, License No. 31006

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.

Paul S. Vlosich, P.E.
504.831.9119
pvlosich@imcconsultingengineers.com
Licensed Professional Engineer, License No. 31006

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

<u> 2 </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> </u> Geotechnical Engineers	<u> 5 </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> 2 </u> Electrical Engineers	<u> 4 </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 1 </u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors	<u> 4 </u> CAD Operators	<u>18</u> TOTAL

** All of our Engineers are Specification Writers*

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: 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:

17

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:

Paul S. Vlosich, P.E.
Principal and Director of Municipal Projects

Project Assignment:

Electrical Engineer / Project Manager for MEP

Name of Firm with which associated:

IMC Consulting Engineers, Inc.

Years' experience with this Firm:

23

Education: Degree(s)/Year/Specialization:

Bachelor of Science / University of New Orleans / 1994 /Electrical Engineering

Active registration: Year first registered/discipline:

2004 / Louisiana #31006, Electrical Engineering

Other experience and qualifications relevant to the proposed Project:

Paul serves as IMC's Director of Municipal and Industrial Projects and oversees all aspects of IMC's municipal business sector including client relations, business development, resource management, contract negotiation, contract execution, production, and quality control.

Please see attached resume for additional experience and qualifications.

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

Port Sulphur Water Treatment Plant – Damage Assessment and Electrical Repairs

The plant pumps water from the Mississippi River, treats it, and provides 3-million gallons per day of potable water to Plaquemines Parish. Paul visited the site and prepared a comprehensive report identifying damage to the plant's electrical system post Hurricane Ida. The report also identified methods of quickly returning the plant to operation at 1/3 capacity until plant-wide repairs could be performed. Report also included an opinion of the electrical costs associated with implementing temporary and permanent repairs to the electrical system, along with recommendations to mitigate future damage from storms.

Paul provided the electrical design for replacement of the entire electrical distribution system at the Port Sulphur Water Treatment Plant. Electrical design scope included a complete replacement of the electrical service and elevation of electrical equipment to mitigate future flood damage.

USACE-Orleans Stormproofing Projects

Managed and acted as the Professional of Record for over \$100 million of construction associated with 10 projects spanning 16 different drainage pumping stations, 2 Raw Water Intake Stations, and the main Power and Water Treatment Plant for the S&WBNO. Electrical designs included multiple standby power systems, including several in excess of 2 megawatts, medium voltage distribution, medium voltage motor starting and power factor correction, DC systems, grounding systems, communication systems, lighting systems, switchgear controls, remote switchgear operation, automated pump controls, instrumentation, and SCADA systems. As part of OSP-04, Paul specified, managed and oversaw the design of electrical system improvements for the OLD River and New River Raw Water Pumping Stations. Electrical design included flood mitigation (such as conduit sealants), power for mechanical equipment, and ventilation system controls.

Kenner Wastewater Treatment Plant No. 3 – Generator Banking

Designed and specified power and control systems associated with the construction of facilities and systems necessary for paralleling three existing and two new generator sets to establish a 3.4 mega-watt (able to be increased to 4 mega-watt) standby power plant for the entire Sewer Treatment Plant. Design features included paralleling switchgear and associated generator controls, retrofit of existing generators, transfer switches, and control equipment, integration with existing PLC controls, and fuel controls. IMC acted as the Prime Consultant for this project.

Jefferson Parish Dept. of Drainage - 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 called for 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.

Jefferson Parish Dept. of Drainage – Parish Line Pumping Station Addition

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.

Jefferson Parish Dept. of General Services - Yenni Building Conversion to EOC

Designed and specified electrical systems associated with the conversion of the 10-story office building to an Emergency Operations Center for Jefferson Parish. Electrical design consisted of full standby generator power for the building, which was accomplished via paralleled 1000 kW diesel generators sets mounted on an elevated exterior platform. Electrical design also included new paralleling switchgear, new electrical service and main distribution equipment, bus duct connecting existing and new distribution equipment, lighting, permanent equipment to facilitate the connection of a portable load bank or portable generator, and tie-in to existing fire alarm system. Generator housing was specified to withstand hurricane force winds. Space was provided on the platform and in the switchgear to incorporate a third, future generator for redundancy.



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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 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>	

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LPELS.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Eugene "Chip" F. Higbee, III, P.E. Principal
Project Assignment:
Quality Assurance / Mechanical Engineer
Name of Firm with which associated:
IMC Consulting Engineers, Inc. 2714 Independence Street Metairie, LA 70006
Years' experience with this Firm:
24
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1990 (Louisiana State University) / Mechanical Engineering
Active registration: Year first registered/discipline:
1995 / Louisiana #26162, Mechanical Engineer
Other experience and qualifications relevant to the proposed Project:
<p>Over the years, Chip has served in various capacities from facilities and maintenance engineer, building energy performance contractor, and consulting engineer. Chip has provided design services for a variety of pump station projects including new pump stations, renovations/additions to existing pump stations, safe houses, and ancillary buildings. He also provided pump station mechanical inspections in over 60 pump stations throughout South Louisiana. He has experience with HVAC, plumbing, fire protection, fuel systems, and pump engine and drive package replacements. He is an active member of ASHRAE and ACEC, and he has held a number of offices in the local ASHRAE chapter.</p> <p>Please see attached resume for additional experience and qualifications.</p>

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

Storm-proofing New Orleans Sewerage & Water Board Pumping Stations

Supervised all mechanical design of stormproofing measures under an Army Corps of Engineers IDIQ contract associated with all drainage pumping stations. Systems included design for all ventilation systems, installation of sump pumps, fuel oil storage/transfer pumping/piping and engine cooling water systems to support diesel engine pumping systems.

New Orleans Sewerage & Water Board Temporary Pumping Stations at 17th St. Canal, London Ave. Canal & Orleans Canal

Engineer of record for all mechanical systems for support of diesel engine pumping systems including fuel storage and transfer system, domestic water and sanitary systems.

Consolidated Car Rental & Utility Building – Louis Armstrong International Airport

Mechanical engineer of record for 600,000 sq. ft. (three levels) parking garage associated with the Consolidated Rental Car facility. This garage is of poured in place construction with pre-cast exterior panels. Responsible for Mechanical design for Customer Buildings, Terminal Maintenance Area, Planning and Development building renovation and the New Utility Building.

HDRSS Levee Inspections

Chip/IMC provided periodic 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.

Yenni Building – Replacement of Cooling Tower

Chip, under an ongoing open-ended professional services contract, has provided the mechanical design associated with replacement of the existing cooling tower on the Yenni Building.

Louisiana National Guard – Marrero Readiness Center

A 49,700 square foot facility and is currently under construction The contributing mechanical and plumbing system measures include complete DDC control, premium efficiency HVAC equipment, demand ventilation control, utility monitoring, non-ozone depleting refrigerants, demand control variable volume air and water systems, instantaneous domestic hot water heating system, and low consumption plumbing fixtures.



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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	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:
Richard E. Nichols, P.E. Principal and Electrical Department Head
Project Assignment:
Quality Assurance / Electrical Engineer
Name of Firm with which associated:
IMC Consulting Engineers, Inc. 2714 Independence Street Metairie, LA 70006
Years' experience with this Firm:
33
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1989 (Louisiana State University) / Electrical Engineering
Active registration: Year first registered/discipline:
1994 / Louisiana #25896, Electrical Engineer
Other experience and qualifications relevant to the proposed Project:
<p>Having joined IMC in 1993, Richard Nichols is one of IMC's most experienced electrical engineers. His expertise include design of lighting, power, and special systems, as well as project management. Richard has managed electrical design projects in commercial, municipal, and industrial markets, including, but not limited to, medical, hospitality, wastewater/storm-water, and educational. He has also provided the design for power and control systems in specialized applications such as navigation lock and dam controls and sewerage drainage facilities. As principal and electrical department head his primary responsibilities include the design of commercial and institutional electrical systems, quality control, and business development.</p> <p>Please see attached resume for additional experience and qualifications.</p>

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

Mini-System Improvements Sewerage System, Jefferson Parish

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

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.

Marrero Wastewater Treatment Plant Administration Building, Jefferson Parish

This project involved a new 3,500 sq-ft building located at the Marrero Wastewater Treatment facility. The building has a 2,100 sq-ft saferoom room area that is back up by generator power. The electrical design included lighting, power, fire alarm and data communications. As mentioned above, a generator was included to power the saferoom area.

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.

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

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.

New Orleans Sewer & Water Board – D.P. # 6 Add two 3750 KW Generators, Orleans Parish

Electrical design of the installation of new two new 3750 KW generators for this major S & W B Drainage Pumping Station. The design included tying the new generators into the existing electrical system at Pumping Station #6. It also includes 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.



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:
Louis R. Pastor, CIPE/CPD Plumbing Designer
Project Assignment:
Plumbing Designer
Name of Firm with which associated:
IMC Consulting Engineers, Inc. 2714 Independence Street Metairie, LA 70006
Years' experience with this Firm:
29
Education: Degree(s)/Year/Specialization:
Engineering Sciences / 1972 (University of New Orleans) / Plumbing Engineering
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Louis Pastor has specialized in the design of fire protection, plumbing, medical gas, and fuel storage and distribution systems for more than 44 years. He oversees the majority of IMC's plumbing, fire protection, fuel systems, and medical gas design.</p> <p>Louis previously served as a member of the City of New Orleans' Board of Building Standards and Appeals for 20 years and acted as the Board's Fire Protection Specialist and Chairman.</p> <p>Please see attached resume for additional experience and qualifications.</p>

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

Louis Armstrong New Orleans International Airport – Consolidated Car Rental Facility

The facility consisted of several rental Car Service Centers, a Customer Service Building and a Parking Garage. The plumbing design for the Car Service Centers, which maintain and service the rental cars, included compressed air, lube oil, grease, hydraulic fluid and water reels. The sanitary sewer system included oil/water separators to filter the waste before it reached the municipal sewer system. Plumbing was designed to serve the automated car wash stations. The plumbing for the Customer Service Building included public toilet rooms and a complete sprinkler system. The Parking Garage was provided with a storm drainage system and standpipes in the exit stairs. As part of the project, the existing Utility Building, which serves the airports domestic water and fire water needs, was abandoned and a new building including duplex domestic water booster pumps and three diesel driven fire pumps was built.

Orleans Parish Storm Proofing

After Hurricane Katrina, the United State 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, we 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 including 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. Also was included of 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.

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 Dept. of General Services - Yenni Building Conversion to EOC

Designed and specified plumbing systems associated with the conversion of the 10-story office building to an Emergency Operations Center for Jefferson Parish. The plumbing design consisted of providing a fire rated fuel oil storage tank on the second-floor generator platform to supply fuel to the two standby generators that were installed to power the building. As part of the project, a water storage tank was designed and installed to serve the Emergency Operations Center (EOC) during times of an emergency if the Parish’s domestic water feed to the building was rendered inoperable.

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:	
Port Sulphur Water Treatment Plant - Damage Assessment and Electrical Repairs Plaquemines Parish, Water Works Troy Phillips (Inframark) 333 F. Edward Hebert Blvd. Building 203, Suite B111 Belle Chasse, LA 70037 (504) 934-5420	The plant pumps water from the Mississippi River, treats it, and provides 3-million gallons per day of potable water to Plaquemines Parish. IMC visited the site and prepared a comprehensive report identifying damage to the plant's electrical system post Hurricane Ida. The report also identified methods of quickly returning the plant to operation at 1/3 capacity until plant-wide repairs could be performed. Report also included an opinion of the electrical costs associated with implementing temporary and permanent repairs to the electrical system, along with recommendations to mitigate future damage from storms. IMC provided the electrical design for replacement of the entire electrical distribution system at the Port Sulphur Water Treatment Plant. Electrical design scope included a complete replacement of the electrical service and elevation of electrical equipment to mitigate future flood damage.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
N/A Assessment 2024	\$98k - Assessment \$1.2M - Construction Cost	

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Hero Pump Station - Standby Power Automation Harvey, LA Jefferson Parish Department of Drainage Ben Lepine 1221 Elmwood Blvd. Jefferson, LA 70123 (504) 736-6730 blepine@jeffparish.net	IMC 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 was the Prime Consultant for this project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$2M	\$164k

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Veterans Boulevard Decorative Lighting (Bonnabel Canal to Orleans Parish line)</p> <p>Jefferson Parish Engineering Dept. 1221 Elmwood Park Blvd. Jefferson, LA 70121 Mark Drewes (504) 736-6500</p>	<p>IMC served as Prime on this project. Design included replacement of the existing metal halide fixtures and poles with new LED fixtures on new decorative poles from the Bonnabel Canal to the Orleans Parish line. Two new electrical service points were established to power the new lighting poles. All new lighting circuits were routed underground to handholes mounted next to each pole. The existing overhead exposed aerial cables were removed. The fixtures were energy efficient LED fixtures that provided better lighting at about 50% of the existing fixture wattage.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	\$1.2M	\$1M

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Dept. of Drainage – Elmwood Pumping Station Engine Replacement</p> <p>Jefferson Parish Dept. of Drainage Mitch Theriot 1221 Elmwood Boulevard Jefferson, LA 70123 (504) 736-6730</p>	<p>Total project scope consisted of replacement of 8 diesel drive units for drainage pumps, replacement of 8 remote radiators, and refurbishment of 8 right-angle gear boxes over the course of several phases at Elmwood Pump Station. Inclusive with the design were modifications to existing engine control equipment to communicate with factory-installed engine controls, modifications to existing Motor Control Centers to accommodate larger radiators, fuel system and coolant system piping modifications, and new exhaust systems. SCADA equipment was maintained so that engine parameters could continue to be remotely monitored. PLC systems were also maintained to continue to allow remote monitoring and control of pumps from the Safe House. IMC is also administered all MEP portions of construction.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>Phase I Complete 2013 Phase II Complete 2015 Phase III Complete 2017 Phase IV Complete 2019</p>	\$8M	\$4M

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Parish Line Pumping Station Addition Jefferson Parish Jefferson Parish Department Of Drainage Mitch Theriot 1221 Elmwood Boulevard Jefferson, LA 70123 (504) 736-6730	The project consisted of a new station adjacent to the existing station for the purpose of housing a single, diesel-engine driven vertical pump. Project required that the designs include provisions for expanding the new station to include three future pumps, for a total of four pumps in the station addition. IMC designed all ancillary Mechanical, Electrical, and Plumbing, and Instrumentation Systems for the station and pumps, including fuel storage and transfer, engine cooling and exhaust piping, compressed air for engine starting and valve actuation, emergency raw water, pump bearing and gear oil cooler water piping, new electrical service with medium-voltage pad-mounted switchgear, video surveillance, SCADA, and PLC as required for local and remote pump, engine, trash screen, and valve controls.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$8M	\$2M

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Yenni Building - Additions to Support Emergency Operations Center Jefferson, Louisiana Jefferson Parish General Services Joseph S. Yenni Building 1221 Elmwood Park Blvd.Ste. 509 Jefferson, LA 70123	IMC performed the MEP design for the addition of emergency generation & emergency domestic water facilities to support the EOC operations at the Yenni Building. The electrical design consisted of full standby generator power for the building which was accomplished via two, 1000 KW generators. The electrical design also included new switchgear, electrical service, main distribution equipment and construction to the existing distribution equipment. The plumbing design included fuel tank design and fuel piping for the new generators, as well as a backup water storage and new fire pump. In addition a new 15,000 gallon, internally lined domestic water vertical storage tank with level probes and digital monitoring was specified to provide a backup potable water source to the building should city water pressure be lost.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2008	\$2M	\$1.8M

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
4 MW Generator Addition, N.O. Sewerage & Water Board, East Bank Sewerage Treatment Plant New Orleans, LA Veolia Water North America - South LLC 115 W Washington Street Suite 1450S Indianapolis IN 46204 Richard Leidy, P.E. (813)-957-6059 (Project Office in Tampa)	The project included the addition of a 13.8 KV, 4 MW, generator capable of operating the entire sewerage plant, new 13.8 KV service entrance switchgear, and a new building to house all equipment at an elevation 23 ft above grade. IMC's electrical design included all power distribution (13.8 KV, 480/277 volt and 208/120), lighting, fire alarm, SCADA and telecommunications for the addition and interfacing of existing systems.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	\$7M	\$3M

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
New 600 CFS Pumping Station New Orleans, LA New Orleans Sewerage & Waterboard 8800 S. Claiborne Ave. New Orleans, LA Joe Becker James Vincent (504) 865-0459	Design of MEP systems at a new 600 CFS pumping station adjacent to pumping station 5 in Orleans Parish. MEP design included medium and low voltage on-site standby generation for electrical systems, including for the two, 1500 HP, electrically driven pumps. Design also included ventilation systems, compressed air systems, exhaust systems, fuel storage/supply/return systems, coolant piping systems, fuel control systems, domestic water and sewer systems, lighting, control, communication, and power systems. Power system design included manual and automatic transfer schemes for normal and multiple standby sources, instrumentation, power factor correction, medium voltage reactor starting for the electric pump motors, and medium voltage switchgear with multi-function digital relay protection. Automatic pump control is accomplished via a pneumatic, differential pressure, "bubbler" type system.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$15M	\$3M

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
OSP-04A-Storm-Proofing at Old River and New River Raw Water Intake Stations, Orleans Parish New Orleans Sewerage & Water Board 625 Saint Joseph Street New Orleans, LA 70165 Joe Becker James Vincent 504-865-0450	Design of mechanical, plumbing, and electrical storm-proofing measures at the Old River and New River Raw Water Intake Stations. Plumbing design included interior pumping. Mechanical design included ventilation with storm resistant shutters and intake louvers. Electrical design included power for plumbing and mechanical equipment, conduit seals, and electrical relocations as necessary to facilitate structural modifications to the buildings. Control design included fan/louver interlocks for the ventilation system.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$10M	\$100k

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Old Estelle Pumping Station Pump Replacement Jefferson Parish Dept. of Drainage 1221 Elmwood Boulevard Jefferson, LA 70121 Kazem Alikानी, P. E. (504) 736-6730	IMC provided the electrical design for the addition of 1 - 200 h.p. motor to drive a new drainage pump for this existing station in 1994 and also completed plans for the rebuilding/relocation for three (3) existing 200 h.p. pumps in 2013. Both projects involved retrofitting existing controls and motor control centers to new motor requirements. The latest project also included SCADA and tie-in to PLC equipment from remote pump operation from New Estelle Pumping Station.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
1994 - Pump #1 2013 - Pump #2,3,4	\$2M \$5M	\$85k \$500k

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 prime and sub-consultant, including mechanical and electrical designs for pumping stations and wastewater treatment plants within the Parish. Additionally, IMC has experience outside of the parish in the damage assessment of power systems at municipal water treatment plants.

IMC's design experience with water-related projects includes potable water storage and distribution systems (such as for the Yenni Building Additions to Support Emergency Operations), domestic and well-based water distribution systems for buildings and structures, and mechanical and electrical systems at raw water, wastewater, and drainage pump stations.

Please see additional pages.

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: 6/17/2024

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 – SEWER / WASTEWATER

IMC Consulting Engineer's 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 and one Electrical Intern:

- Daniel Walker (30+ years of experience)
- Garret Fried (7+ years of experience)
- Peter DiMarco (Electrical Engineering Intern)

IMC's Mechanical staff includes Principals Eugene "Chip" Higbee, P.E. (30+ years of experience) and Matthew Wender, P.E. (20 years of experience). IMC also employs two additional registered Professional Mechanical Engineers, and two Mechanical Designers:

- Joseph Garon, P.E. (7+ years of experience)
- Matthew Garon, P.E. (7+ years of experience)
- Russell Troncoso (5+ years of experience)
- Quynh Nguyen

On a part-time basis, Louis Pastor, CIPE/CPD (40+ years of experience) continues to provide IMC with design assistance on selected projects. Louis specializes in plumbing engineering and is certified in that area.

All of IMC Engineers and Designers provide field observation & 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.

While we hope that our responses demonstrate IMC's experience in the design of electrical and mechanical systems for sewer lift stations and at wastewater plants, as well as our experience providing professional services to Jefferson Parish, we also want to highlight our experience communicating with the Parish's preferred Sewer Lift Station Control Panel vendor (Fluid Process and Pumps), and manufacturer (TESCO). We are also familiar with the required interfaces to SCADA and have a great relationship with the preferred SCADA vendor, Prime Controls.

2. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

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 CAD personnel. IMC utilizes MS Word processing software for specifications and general correspondence and utilizes Microsoft Excel electronic spreadsheet for efficient calculations and tabulation of data.

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

Based upon our experience with past 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 of 19 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 timely fashion. 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.

3. LOCATION OF PRINCIPAL OFFICE

IMC's only office is located in Jefferson Parish at 2714 Independence St., 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.

4. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

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

5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE & NATURE OF SERVICES

IMC has successfully completed numerous projects for Jefferson Parish in the 30+ 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 Sewer Lift Stations, Drainage 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 Westbank Government Complex. Specific to the projects of the type anticipated for this contract, IMC has successfully designed and administered the construction for the Elizabeth and Utica Sewer Lift Station and has completed designs for the Causeway and West Esplanade Sewer Lift Station.

6. SIZE OF FIRM

IMC is a 17-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.

7. PAST PERFORMANCE BY FIRM ON PARISH CONTRACTS

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. Ryan Babcock (Director of General Services), and Mr. Mark Drewes (Director of Public Works).

We have enjoyed our relationship with Jefferson Parish over the past 30+ 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.

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

IMC CONSULTING ENGINEERS, INC. LICENSE

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

Name:	Public Address:
IMC Consulting Engineers, Inc.	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: Surveying)

TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Routine Engineering Services for
Water Projects in Jefferson Parish
 SOQ **24-013** | Resolution No. **144203**

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	_____	Estimators	_____	Specification Writers
_____	Architects (Licensed)	_____	Geologists	_____	Structural Engineers
_____	Chemical Engineers	<u>1</u>	Geotechnical Engineers	_____	Graduate Engineers
_____	Civil Engineers	_____	Interior Designers	<u>2</u>	Project Managers
_____	Construction Inspectors	_____	Landscape Architects	_____	Clerical (<i>see Administrative</i>)
_____	Ecologists	<u>1</u>	Land Surveyor (<i>Apprentice</i>)	_____	Grant/Funding Specialist
_____	Electrical Engineers	_____	Mechanical Engineers	_____	Sanitary Engineers
_____	Engineer Intern	_____	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:

- Waterline Improvements, Metairie Terrace Neighborhood South (Shrewsbury Road, Amoult Road, Katlan Street, Lausat Street, Hullen Street, Claiborne Avenue & Jimco Road), JPPW No. 2023-040-WRB, Jefferson Parish, LA
- East Bank Water Treatment Plant Improvements Project (including Laser Scanning), Jefferson Parish, LA
- Waterline Improvements on North I-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW No. 2023-010B-WRB, Jefferson Parish, LA
- Route Topographic Survey for the Jefferson Parish Waterline Project (2023-032-WRB), Shrewsbury Neighborhood, Jefferson Parish, LA
- Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA
- Waterline Improvements on Elizabeth Avenue, Ruth Street, Kathleen Avenue, and Parkaire Drive, JPPW No. 2023-012B-WRB, Jefferson Parish, LA
- Locate 16-inch Water Line between Valve Station 18 and Valve Station 24, Grand Isle, Jefferson Parish, LA
- River Road Water Line Replacement (Phase II), Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, LA
- East Bank Water Treatment Plant Project - Water and Utility Line Survey, Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA
- Waterline Improvements on Colony Place, Elizabeth Avenue, Concord Avenue, Stanford Avenue, and Flagler Street, JPPW 2023-012A-WRB, Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline Replacement Project, Central Avenue, Karen Avenue, and Newman Avenue, JPPW 2023-007-WRB, Jefferson Parish, LA
- Waterline Replacement at Shrewsbury Neighborhood (2023-013B-WRB), Jefferson Parish, LA
- Route Topographic Survey for the Williams Boulevard Waterline Replacement Project (between Airline Highway and West Metairie), Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline Replacement Project, Veterans Boulevard (Crestview Avenue), JPPW 2023-016A-WRB, Jefferson Parish, LA

TEC Professional Services Questionnaire

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

- Route Topographic Survey for the Jefferson Heights Water System Improvements Project, Jefferson Parish, LA
- Route Topographic Survey for Jefferson Parish Waterline Project 2023-041-WRB, Jefferson Parish, LA
- Location Survey for the 16-inch Water Line between Lafitte and Grand Isle, Jefferson Parish, LA
- River Road Water Line, Waggaman, Jefferson Parish, LA
- Lower Lafitte Waterline Stakeout, Jefferson Parish, LA
- Route Topographic & Right-of-Way Survey for Sonia Place (S. Labarre Road to Santa Ana Avenue), Jefferson Parish, LA
- Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA
- East Jefferson Water Works - River Road, Jefferson Parish, LA
- Iris Avenue Water Line Replacement, Jefferson Parish, LA
- Grand Isle Water Tower Site Project, Town of Grand Isle, Jefferson Parish, LA
- Emergency Generator Replacement at the East Bank Treatment Plant, Jefferson Parish, LA
- West Bank Water Intake Basin Hydrographic Survey, Jefferson Parish, LA
- Evans Road Waterline Repair - Mississippi River Levee Cross Section, Jefferson Parish, LA
- Water Line Location Surveying, Grand Isle, Jefferson Parish, LA
- Grand Isle Water Main Location, Jefferson Parish, LA
- Water Main Installation, Live Oak Boulevard, West Bank, Jefferson Parish, LA
- East Bank Water Plant Intake Basin Hydrographic Survey, Jefferson Parish, LA
- Fifi Island/Bayou Rigaud Water Line Location, Grand Isle, Jefferson Parish, LA
- Gretna Water Tower, Jefferson Parish, LA
- Canal No. 17 Bank Stabilization Phase II, Jefferson Parish, LA
- Channel Repair, Phase II, Construction Unit No. 3 (West Bank), Jefferson Parish, LA
- Channel Repair, Phase II, Construction Unit No. 2 (East Bank), Jefferson Parish, LA
- Central Avenue Project (including Utilities), Metairie, Jefferson Parish, LA
- Lapalco Blvd. Improvements (Segnette to Tanglewood); 96-019B-RBI, Jefferson Parish, LA
- Oakwood/Terrytown Drainage Improvements, Jefferson Parish, LA
- Upper Kraak Pump Station, Jefferson Parish, LA
- Clearview Parkway & Airline Boulevard Intersection, Jefferson Parish, LA
- Severn Corridor (Subsurface Utility Engineering (SUE)), Metairie, Jefferson Parish, LA
- Lasalle Rest Room Building, Jefferson Parish, LA
- Citrus Boulevard Improvements, 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
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)**

Waterline Improvements, Metairie Terrace Neighborhood South, JPPW Project No. 2023-040-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the Jefferson Parish Waterline Project 2023-016A-WRB, which involves a total of approximately 9,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

Waterline Improvements on North 1-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW Project No. 2023-010B-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project (2023-032-WRB), Shrewsbury Neighborhood, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for the project, which involved Shrewsbury Neighborhood: L&A Road, Access Road, K&B Road, McDermott Road, and Earhart Expressway; a total of approximately 8,600 lf. Scope includes establishing a baseline, setting a CBM and establishing TBMs. Existing improvements & utilities were located. BFM determined depth, size, and type of pipes and locate and identified trees. (BFM provided surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.) (\$88,140 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (2023-022-WRB) in Jefferson Parish. The limits of survey involved the area along Estalote Avenue, a total of approximately 8,500 linear feet, including intersecting streets. The survey includes establishing a baseline and establishing Temporary Benchmarks (TBMs). Existing improvements and utilities were located. BFM determined the depth, size, and type of pipes and locate and identified trees. Spot elevations were also taken. (\$84,280 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$78,100 (fee); 2023)

Waterline Improvements on Colony Place, Elizabeth Avenue, Concord Avenue, Stanford Avenue, and Flagler Street, JPPW 2023-012A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$77,840 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Gary J. Lambert, Jr., PLS Vice President / Registered Professional Land Surveyor</p>	
Project Assignment:	
Project Manager/Drafting Supervisor	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
6 years (joined BFM in 2018); 13 years total (2011)	<i>BFM Corporation, LLC 2018 to present</i> <i>Riverlands Surveying 2016 to 2018</i> <i>Bertucci Contracting 2011 to 2016</i>
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:	
<p>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.</p> <p>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.</p> <p>Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p>	

TEC Professional Services Questionnaire

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

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services, as part of Task Order No. 3 of the project, involved BFM's location of exposed water or utility lines after said lines were excavated by another firm. Horizontal location and vertical elevation, at top of pipe, was recorded along with the pipe size and type. Field data was processed to add to the existing topographic survey, previously executed by BFM. (\$19,703 (fee); 2018)

Waterline Improvements on Elizabeth Avenue, Ruth Street, Kathleen Avenue, and Parkaire Drive, JPPW Project No. 2023-012B-WRB, Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project, which involved multiple street locations (Elizabeth Avenue, Ruth Street, Linwood Avenue, Loraine Street, Kathleen Avenue, and Parkaire Drive) in Jefferson Parish. The limits of survey involve the noted routes and are to be within the entire street rights-of-way of all limits indicated as well as 10 feet beyond the apparent right-of-way on each side, totaling approximately 5,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$55,300 (fee); 2023)

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 is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$67,740 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,600 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$59,300 (fee); 2023)

Route Topographic & Right-of-Way Survey for Sonia Place, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 1400 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$15,120 (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)

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. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

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 is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$67,740 (fee); 2023)

TEC Professional Services Questionnaire

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

Route Topographic Survey for Jefferson Parish Waterline Project No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (2023-022-WRB) in Jefferson Parish. The limits of survey involved the area along Estalote Avenue, a total of approximately 8,500 linear feet, including intersecting streets. The survey includes establishing a baseline and establishing Temporary Benchmarks (TBMs). Existing improvements and utilities were located. BFM determined the depth, size, and type of pipes and locate and identified trees. Spot elevations were also taken. (\$84,280 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,600 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$59,300 (fee); 2023)

Route Topographic & Right-of-Way Survey for Sonia Place, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 1400 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$15,120 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$78,100 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-016A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the Jefferson Parish Waterline Project 2023-016A-WRB, which involves a total of approximately 5,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$55,740 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-041-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$44,200 (fee); 2023)

Waterline Replacement at Shrewsbury Neighborhood (2023-013B-WRB), Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves Shrewsbury Road and associated side streets, a total of approximately 6,650 lf. The scope of work involves establishment of a baseline along each route, establishing Temporary Benchmarks (TBM) at 500 ft. intervals. Existing improvements and utilities will be located. BFM will determine depth, size, and type of pipes and locate and identify trees. (\$66,170 (fee); 2023)

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.

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 is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$67,740 (fee); 2023)

Waterline Improvements on Elizabeth Avenue, Ruth Street, Kathleen Avenue, and Parkaire Drive, JPPW Project No. 2023-012B-WRB, Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project, which involved multiple street locations (Elizabeth Avenue, Ruth Street, Linwood Avenue, Loraine Street, Kathleen Avenue, and Parkaire Drive) in Jefferson Parish. The limits of survey involve the noted routes and are to be within the entire street rights-of-way of all limits indicated as well as 10 feet beyond the apparent right-of-

TEC Professional Services Questionnaire

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

way on each side, totaling approximately 5,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$55,300 (fee); 2023)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services, as part of Task Order No. 3 of the project, involved BFM's location of exposed water or utility lines after said lines were excavated by another firm. Horizontal location and vertical elevation, at top of pipe, was recorded along with the pipe size and type. Field data was processed to add to the existing topographic survey, previously executed by BFM. (\$19,703 (fee); 2018)

Lower Lafitte Waterline, Jefferson Parish, LA. BFM provided surveying services associated with the location of a 16 inch plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). Certain areas were very deep and the line was not accurately located in this area. BFM set markers where approximate locations were based on the areas where the line was found. (\$38,205 (fee); 2017)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric, boundary and topographic surveying services for the project. Improvements on the site were located, as well as visible above-ground utilities & underground utilities with visible surface evidence. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. Bathymetric surveys were tied to the U.S. Army Corps of Engineers baseline. Deliverables included indelible prints and AutoCAD DWG format drawing files. (\$14,804 (fee); 2016)

Emergency Generator Replacement at the East Bank Treatment Plant, Jefferson Parish, LA. BFM prepared a topographic survey of the area surrounding the proposed site for the emergency generators. (\$5,888 (fee); 2012)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement. This included the area of Iris Avenue from River Road to Jefferson Highway, on Lance Street and Jeanette Streets from Iris A venue to Brooklyn A venue. As executed, the surveys extended from right of way to right of way. (\$18,493 (fee); 2011)

East Bank Water Plant Intake Basin Hydrographic Survey, Jefferson Parish, LA. BFM Corporation provided hydrographic surveying for the project. Our scope of services included soundings into the Mississippi River (to a -50 elevation); this element included location of the intake structure and elevations inside the structure as well as on the intake pipes. BFM further located the discharge ditch on the down river side of the structure. Deliverables included an indelible print and AutoCAD DWG files. (\$4,975 (fee); 2010)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Dawn Hoffman Researcher/Archivist</p>	
Project Assignment:	
<p>Researcher/Archivist</p>	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
<p>15 years (joined BFM in 2009); 27 years total (1997)</p>	<p><i>BFM Corporation, LLC 2009 to present</i> <i>Fluor Corporation 2007 to 2009</i> <i>Geographic Computer Technologies, LLC 2000 to 2007</i></p>
Education: Degree(s)/Year/Specialization:	
<p>A.D., 1999, Computer-Aided Drafting, Southeast College of Technology Certificate, 2003, Introduction to ArcGIS, Louisiana State University</p>	
Active Registration: Year first registered/discipline:	
<p>N/A</p>	
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>Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,600 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$59,300 (fee); 2023)</p> <p>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)</p> <p>Grand Isle Water Tower Site Project (DPW Proj. 2008-018-WR), Town of Grand Isle, Jefferson Parish, LA. BFM Corporation provided a topographic survey; scope included establishing a TBM, preparing a boundary survey, taking elevations (at 25 ft. intervals) with spot elevations on paving or other hard surfaces. Location of improvements were plotted within the designated limits of survey. Utilities and piping were located, as was existing storm sewer and sanitary sewer structures.</p>	

TEC Professional Services Questionnaire

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

Specimen trees were all also located. BFM provided follow-up surveying services for the project, an extension of DPW Project 2008-018-WR. Deliverables included indelible prints and in AutoCAD DWG format. (\$15,612 (fee); 2012)

East Jefferson Water Works – River Road, Jefferson Parish, LA. BFM's surveying services for the project involved the location of existing water lines/pipes for the East Jefferson Water Works located on River Road in Jefferson Parish. (\$2,070 (fee); 2017)

Waterline Improvements on Colony Place, Elizabeth Avenue, Concord Avenue, Stanford Avenue, and Flagler Street, JPPW 2023-012A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$77,840 (fee); 2023)

Waterline Improvements on North I-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW Project No. 2023-010B-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$78,100 (fee); 2023)

Location Survey for the 16-inch Water Line between Lafitte and Grand Isle, Jefferson Parish, LA. BFM located the 16-inch water line in the exposed areas from Sta. 0+00 on the north bank of Bayou Rigolettes to the south bank of Bayou Rigaud in Grand Isle, Louisiana. In a previous project for the Parish (BFM Proj 7317; Fifi Island/Bayou Rigaud Water Line Location in 2010), BFM located both the upper & lower portions of the 16-inch water line. This left the approximate location of the area previously located on Fifi Island; 138,776 feet or 25.79 miles. For the survey, probing was done utilizing a jet probe system developed by BFM Corporation and the locations were made with RTN (Real Time Network) GPS. The Real Time Network is maintained by Louisiana State University and allowed for sub-centimeter level accuracy with GPS. This data was included with deliverables in AutoCAD DWG format and in ASCII text format for integration into the Parish GIS system. (\$363,080 (fee); 2013)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement. This included the area of Iris Avenue from River Road to Jefferson Highway, on Lance Street and Jeanette Streets from Iris A venue to Brooklyn A venue. As executed, the surveys extended from right of way to right of way. (\$18,493 (fee); 2011)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Anthony Watson CADD Technician (AutoCADD Drafting Services)</p>	
Project Assignment:	
CADD Technician (AutoCADD Drafting Services)	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
13 years (joined BFM in 2011); 33 years total (1991)	<i>BFM Corporation, LLC 2011 to present</i> <i>Krebs LaSalle Lemieux / GEC 2008 to 2011</i> <i>Doug Connally and Associates Land Surveying (Dallas, TX) 1995-2008</i> <i>Electrician 1991 to 1995</i> <i>City of Plano TX (Part-Time Drafting Services) 1991</i>
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:	
<p>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.</p> <p>Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,600 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$59,300 (fee); 2023)</p> <p>Route Topographic & Right-of-Way Survey for Sonia Place, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 1400 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$15,120 (fee); 2023)</p>	

TEC Professional Services Questionnaire

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

Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$78,100 (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)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-016A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the Jefferson Parish Waterline Project 2023-016A-WRB, which involves a total of approximately 5,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$55,740 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-041-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$44,200 (fee); 2023)

Waterline Improvements on North I-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW Project No. 2023-010B-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (2023-022-WRB) in Jefferson Parish. The limits of survey involved the area along Estalote Avenue, a total of approximately 8,500 linear feet, including intersecting streets. The survey includes establishing a baseline and establishing Temporary Benchmarks (TBMs). Existing improvements and utilities were located. BFM determined the depth, size, and type of pipes and locate and identified trees. Spot elevations were also taken. (\$84,280 (fee); 2023)

Review and Update Survey Plats for the Lafitte Area Hurricane Protection Levee, Lafitte, Jefferson Parish, LA. BFM provided surveying services to review and update survey plats for the Lafitte Area Hurricane Protection Levee. BFM has provided survey updates for the site as needed for over a decade. (\$2,600 (fee); 2016)

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)

BFM Corporation, LLC | 1990 to present
Benson Mercedes Benz | 1989 to 1990
SECO Electric | 1987
Frishhertz Electric | 1986 to 1987
Plain Construction | 1985 to 1986

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
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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).

Route Topographic Survey for Jefferson Parish Waterline Project (2023-032-WRB), Shrewsbury Neighborhood, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for the project, which involved Shrewsbury Neighborhood: L&A Road, Access Road, K&B Road, McDermott Road, and Earhart Expressway; a total of approximately 8,600 lf. Scope includes establishing a baseline, setting a CBM and establishing TBMs. Existing improvements & utilities were located. BFM determined depth, size, and type of pipes and locate and identified trees. (BFM provided surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.) (\$88,140 (fee); 2023)

River Road Water Line Replacement, Jefferson Parish, LA. As directed by the Project Engineer, BFM provided topographic surveying services for the project, which extended from Rivet Boulevard to Willwood Drive (approximately 14,000 linear feet plus 50-foot intersections). This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan

TEC Professional Services Questionnaire

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

program. The scope of work executed by BFM included establishing a baseline parallel with the right of way, setting TBMs, and plotting spot elevations. Improvements and utilities were located and plotted within the designated limits of survey. Boundary corners were located along the route in order to assist in determining widths of any existing rights of way. Trees on site (over 4-inches in diameter) were also located. (\$84,700 (fee); 2015)

Route Topographic Survey for Jefferson Parish Waterline Project No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (2023-022-WRB) in Jefferson Parish. The limits of survey involved the area along Estalote Avenue, a total of approximately 8,500 linear feet, including intersecting streets. The survey will include establishing a baseline and establishing Temporary Benchmarks (TBMs). Existing improvements and utilities will be located. BFM will determine depth, size, and type of pipes and locate and identify trees. Spot elevations will also be taken. (\$84,280 (fee); 2023)

Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$78,100 (fee); 2023)

Waterline Improvements on Colony Place, Elizabeth Avenue, Concord Avenue, Stanford Avenue, and Flagler Street, JPPW 2023-012A-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$77,840 (fee); 2023)

Waterline Improvements on North I-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW Project No. 2023-010B-WRB, Jefferson Parish, LA. BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

Location Survey for the 16-inch Water Line between Lafitte and Grand Isle, Jefferson Parish, LA. BFM located the 16-inch water line in the exposed areas from Sta. 0+00 on the north bank of Bayou Rigolettes to the south bank of Bayou Rigaud in Grand Isle, Louisiana. In a previous project for the Parish (BFM Proj 7317; Fifi Island/Bayou Rigaud Water Line Location in 2010), BFM located both the upper & lower portions of the 16-inch water line. This left the approximate location of the area previously located on Fifi Island; 138,776 feet or 25.79 miles. For the survey, probing was done utilizing a jet probe system developed by BFM Corporation and the locations were made with RTN (Real Time Network) GPS. The Real Time Network is maintained by Louisiana State University and allowed for sub-centimeter level accuracy with GPS. This data was included with deliverables in AutoCAD DWG format and in ASCII text format for integration into the Parish GIS system. (\$363,080 (fee); 2013)

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>Waterline Improvements, Metairie Terrace Neighborhood South (Shrewsbury Road, Amoult Road, Katlan Street, Lausat Street, Hullen Street, Claiborne Avenue & Jimco Road), JPPW No. 2023-040-WRB, Jefferson Parish, Louisiana</p> <p>GIS Engineering 935 Gravier Street Suite 600 New Orleans LA 70112</p> <p>Kyle Galloway, P.E., 504-264-3504 kgalloway@gisy.com</p>	<p>BFM Corporation was selected to provide a Route Topographic Survey for the Jefferson Parish Waterline Project 2023-016A-WRB, which involves a total of approximately 9,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2023	N/A	\$88,400 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bank Water Treatment Plant Improvements Project (including Laser Scanning), Jefferson Parish, Louisiana</p> <p>Stantec 1340 Poydras Street, Suite 1420 New Orleans LA 70112</p> <p>Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com</p>	<p>BFM Corporation 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.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2017	N/A	\$166,230 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Waterline Improvements on North I-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW No. 2023-010B-WRB, Jefferson Parish, Louisiana</p> <p>Pivotal Engineering 1515 Poydras Street Suite 1150 New Orleans LA 70112</p> <p>Yoseph Shifare, P.E., 504-939-2693 yshifare@pivotaleng.com</p>	<p>BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing additional surveying on additional projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	N/A	\$88,400 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Route Topographic Survey for the Jefferson Parish Waterline Project (2023-032-WRB), Shrewsbury Neighborhood, 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>BFM Corporation prepared a Route Topographic Survey for the project, which involved Shrewsbury Neighborhood: L&A Road, Access Road, K&B Road, McDermott Road, and Earhart Expressway; a total of approximately 8,600 lf. Scope includes establishing a baseline, setting a CBM and establishing TBMs. Existing improvements & utilities were located. BFM determined depth, size, and type of pipes and locate and identified trees. (BFM provided surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.)</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	N/A	\$88,140 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Central Avenue Roadway Water Main & Drainage Improvements, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Capital Projects 1221 Elmwood Park Blvd Ste 906 Jefferson LA 70123</p> <p>Neil Schneider, 504-736-6833 nshneider@jeffparish.net</p>	<p>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.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2023	N/A	\$2,850 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Waterline Improvements on Elizabeth Avenue, Ruth Street, Kathleen Avenue, and Parkaire Drive, JPPW No. 2023-012B-WRB, Jefferson Parish, Louisiana</p> <p>Kyle Associates, LLC 638 Village Lane North Mandeville LA 70471</p> <p>Kevin M. Drane, P.E., 985-727-9377 kdrane@kyleassociates.net</p>	<p>BFM Corporation was selected to prepare a Route Topographic Survey for the project, which involved multiple street locations (Elizabeth Avenue, Ruth Street, Linwood Avenue, Loraine Street, Kathleen Avenue, and Parkaire Drive) in Jefferson Parish. The limits of survey involve the noted routes and are to be within the entire street rights-of-way of all limits indicated as well as 10 feet beyond the apparent right-of-way on each side, totaling approximately 5,900 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM is providing surveying services on multiple projects as part of a larger overall Waterline Improvements Program for Jefferson Parish.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023	N/A	\$55,300 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Locate 16-inch Water Line between Valve Station 18 & Valve Station 24, Grand Isle, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Water Department 1221 Elmwood Park Blvd Ste 909 Jefferson LA 70123</p> <p>R. Douglas Vincent, P.E., 504-838-4363 JPWater@jeffparish.net</p>	<p>The purpose of the survey was to locate the 16-inch water line between Valve Station 18 and Valve Station 24. The length of this segment was approximately 57,400 feet. Survey probing was done utilizing a jet probe system developed by BFM Corporation and the locations were made with RTN (Real Time Network) GPS. The Real Time Network is maintained by Louisiana State University and allowed for sub-centimeter level accuracy with GPS. This data was included with deliverables in AutoCAD DWG format and in ASCII text format for integration into the Parish GIS system. BFM further prepared an estimate for the Parish to provide a location survey for the water line after it was lowered.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November 2014	N/A	\$133,444 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>River Road Water Line Replacement (Phase II), Jefferson Parish, Louisiana</p> <p>Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065</p> <p>Frank T. Liang, P.E., 504-468-7515 fliang@deii.net</p>	<p>As directed by the Project Engineer, BFM provided topographic surveying services for the project, which extended from Rivet Boulevard to Willswood Drive (approximately 14,000 linear feet plus 50-foot intersections). This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program. The scope of work executed by BFM included establishing a baseline parallel with the right of way, setting TBMs, and plotting spot elevations. Improvements and utilities were located and plotted within the designated limits of survey. Boundary corners were located along the route in order to assist in determining widths of any existing rights of way. Trees on site (over 4-inches in diameter) were also located.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2015	N/A	\$84,700 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Route Topographic Survey for Jefferson Parish Waterline Project No. 2023-022-WRB (Estalote Avenue), Jefferson Parish, Louisiana</p> <p>H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p>Mike D'Angelo, 504-836-2020 mike@hdaviscole.com</p>	<p>BFM Corporation was selected to prepare a Route Topographic Survey for the project (2023-022-WRB) in Jefferson Parish. The limits of survey involved the area along Estalote Avenue, a total of approximately 8,500 linear feet, including intersecting streets. The survey includes establishing a baseline and establishing Temporary Benchmarks (TBMs). Existing improvements and utilities were located. BFM determined the depth, size, and type of pipes and locate and identified trees. Spot elevations were also taken.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2023	N/A	\$84,280 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>East Bank Water Treatment Plant Project – Water and Utility Line Survey, Jefferson Parish, Louisiana</p> <p>Stantec Consulting Services, Inc. 1340 Poydras Street, Suite 1420 New Orleans LA 70112</p> <p>Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com</p>	<p>BFM's surveying services, as part of Task Order No. 3 of the project, involved BFM's location of exposed water or utility lines after said lines were excavated by another firm. Horizontal location and vertical elevation, at top of pipe, was recorded along with the pipe size and type. Field data was processed to add to the existing topographic survey, previously executed by BFM.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2018	N/A	\$19,703 (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>BFM Corporation 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

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.

Our capabilities include the following and more:

- Topographic Surveying
- Drone Surveying
- Photogrammic & LiDAR and 3D Laser Scanning
- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, & Data Sets; Benchmarks

TEC Professional Services Questionnaire

N. continued.

- Construction-Related Surveying and 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 Viva and 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). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42-megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can capture 50 acres of land allowing 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, we are 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. We use Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

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 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**.

TEC Professional Services Questionnaire

N. continued.

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.

CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

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.**

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

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

TEC Professional Services Questionnaire

N. continued.

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 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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).** Further, BFM 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)

José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

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)

Khalid L. Saleh, PhD, Capital Program Administrator, New Orleans Dept. of Public Works
(504-658-8000 | khsaleh@nola.gov)

Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish
(504-736-6661 | JPSewerage@jeffparish.net)

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: June 6, 2024

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

Name: Public Address:

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

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:

Provision of Routine Engineering Services for

Water Projects in Jefferson Parish

SOQ **24-013** | Resolution No. **144203**

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.

Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, LA. Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength and classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & backfill recommendations, estimates of settlement, and construction recommendations. (\$5,000 (fee); 2014)

Water Main Improvements (5 Sites), LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of new water main pipeline (approximately 16,500 linear feet) between Cardinal Street and Woodland Drive in LaPlace, LA. Gulf South's scope includes drilling five undisturbed soil borings (1 per jack and bore site) each to a depth of 30 feet below the ground surface, laboratory testing, engineering analyses with recommendations for the temporary retaining system (TRS; a sheetpile wall for excavation), dewatering, sheet pile design parameters. (\$15,500 (fee); 2023)

LaPlace Water Source Project: New Intake, Pump Stations & Pretreatment Facility, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$100,000 (fee); ongoing)

Membrane Water Treatment Plant Expansion, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the expansion of the existing Membrane WTP project. Structures include the water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling six undisturbed soil borings (60 ft.) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$26,795 (fee); 2023)

Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercostal Water Way near HWY 3066 (Bayou Road) in Iberville Parish. Scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)

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.

LaPlace Water Source Project: New Intake, Pump Stations & Pretreatment Facility, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$100,000 (fee); ongoing)

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)

Membrane Water Treatment Plant Expansion, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the expansion of the existing Membrane WTP project in LaPlace, LA. Structures include the water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling six undisturbed soil borings (60 ft.) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$26,795 (fee); 2023)

Water Main Improvements (5 Sites), LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of new water main pipeline (approximately 16,500 linear feet) between Cardinal Street and Woodland Drive in LaPlace, LA. Gulf South's scope includes drilling five undisturbed soil borings (1 per jack and bore site) each to a depth of 30 feet below the ground surface, laboratory testing, engineering analyses with recommendations for the temporary retaining system (TRS; a sheetpile wall for excavation), dewatering, sheet pile design parameters. (\$15,500 (fee); 2023)

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)

Bucktown Harbor New Dock and Loading Area, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new dock and bulkhead at Jefferson Parish's Bucktown Harbor in Metairie, LA. Gulf South's scope includes drilling one boring to a depth of 50 feet below the ground surface and one boring in Lake Pontchartrain to a depth of 50 feet below mudline, laboratory testing, engineering analyses (allowable pile load capacities, slope stability, sheetpile wall analyses), and general construction procedures and recommendations. (\$10,500 (fee); 2022)

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (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.

Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, LA. Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength & classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & backfill recommendations, estimates of settlement, and construction recommendations. (\$5,000 (fee); 2014)

Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, LA. Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercostal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA.

TEC Professional Services Questionnaire

Other experience and qualifications: **Joseph H. "Trey" Binder, III, ACI (continued)**

Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$17,300 (fee); 2020)

LaPlace Water Source Project: New Intake, Pump Stations & Pretreatment Facility, LaPlace, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$100,000 (fee); ongoing)

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)

Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, LA. Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations. (\$9,900 (fee); 2018)

Airline Highway Backwater Protection Project, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, execution of laboratory testing, provision of engineering analyses (bearing values, bedding & backfills settlement, pile capacities, earth pressures, slope stability, cofferdam analyses, levee analyses) and establishing general construction procedures and recommendations. (\$55,000 (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)

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:	
High School Diploma	
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>Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, LA. Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength and classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & backfill recommendations, estimates of settlement, and construction recommendations. (\$5,000 (fee); 2014)</p> <p>Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA. Project consisted of the construction of new below grade drainage features and piping for the Jefferson</p>	

TEC Professional Services Questionnaire

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

Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services 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. (\$7,000 (fee); 2016)

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)

Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA. Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services 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. (\$30,000 (fee); 2016)

Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA. Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. (\$12,000 (fee); 2022)

Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA. Gulf South provided field and laboratory testing on a call-out basis during construction of the project (SCIP D55116) located at the intersection of Houma Boulevard and West Esplanade Avenue. Scope of services included vibration monitoring, concrete sample pick-up and inspection, pile monitoring, and laboratory testing. (\$10,000 (fee); 2021)

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)

Jefferson Parish Department of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA. Project consisted of the construction of a new warehouse for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's 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 soil sampling and field density tests, steel inspection, and asphalt testing and inspection. (\$90,000 (fee); 2017)

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); Gulf South Engineering and Testing, Inc. 2017 to present 7 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03) ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)	
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>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>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>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Ian Kerner Poché, ACI (continued)**

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)

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)

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)

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)

Bayou Des Allemands Gate, Upper Barataria Risk Reduction Program Segment 3, St. Charles Parish, LA. Geotechnical investigation for construction of a new swinging barge gate structure within the UBRR flood protection/risk reduction system in St. Charles Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (1 at 200 ft., 2 at 120 ft., 1 at 100 ft.), lab testing (including consolidation tests), and engineering analyses including site/soil characterization, global/local SSA for floodwalls, levee tie-ins, and floodgates, seepage analyses for sheetpile walls, settlement/downdrag analyses, unbalanced forces for structures, pile load capacities, pile foundation load-deflection relationship, estimates of settlement, ground improvement recommendations, and general construction procedures and recommendations. One boring was performed over water; the remaining borings were performed over land. (\$145,885 (fee); 2021)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Brandon A. Paille, ACI

Construction Materials Testing (CMT) Supervisor/Project Manager

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:

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.

Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, LA. Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,500 (fee); 2012)

New Dormitory - Marine Fisheries Facility, LA Department of Wildlife and Fisheries, Grand Isle, Jefferson Parish, LA. Geotechnical investigation for new dormitory at the LA Dept. of Wildlife and Fisheries' facility in Grand Isle, LA. Scope of work included drilling 2 soil borings to 10 and 50 feet in depth, performing laboratory testing, and providing geotechnical engineering analyses

TEC Professional Services Questionnaire

Other experience and qualifications: **Brandon A. Paille, ACI (continued)**

consisting of allowable pile load capacities, estimates of settlement, and rigid and aggregate paving design recommendations. (\$3,500 (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)

Bonnabel Boat Launch Ramp Replacement, Jefferson Parish, LA. Geotechnical investigation for improvement/replacement of the existing boat ramps at the Bonnabel Boat Launch in Metairie, LA. The expansion consists of 3 (50'x60') pile supported concrete ramps. Scope of work included drilling two (2) soil borings to a depth of 60 feet each and providing laboratory testing, and geotechnical engineering analysis consisting of pile load capacities, estimates of settlement, and general construction recommendations. (\$4,000 (fee), 2014)

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. (\$15,000; 2023)

Bucktown Birdsnest Learning Pavillion, 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, pile inspection and modeling, static pile load testing, and vibration monitoring. (\$20,000 (fee); 2023)

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)

Baton Rouge Zoo Laboratory, Baton Rouge, 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, and earthwork inspection and testing. (\$500 (fee); 2023)

New North Terminal – Landside Project, Louis Armstrong New Orleans International Airport, LA. Gulf South performed field and laboratory testing during construction of the Cable Loop at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Inspection consisted of earthwork and concrete testing. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. (\$200,000 (fee); 2019)

St. Amant High School AG Center Addition, Ascension Parish, LA. Gulf South provided field and laboratory testing during construction of the addition to the Ag Center building (located at 12035 LA Highway 431) at St. Amant High School in Ascension Parish, LA. Gulf South's scope of work includes concrete testing. (\$600 (fee); 2021)

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>Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 North Causeway Blvd, Suite 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical investigation for the reconstruction of Central Avenue and the construction of a 12-in. dia. water main along Central Avenue. Scope included drilling four soil borings in the roadway to depths of 10 & 25 ft, lab testing (strength and classification), and geotechnical engineering analyses consisting of allowable soil bearing values, bedding & 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 2014	N/A	\$5,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Main Improvements (5 Sites), LaPlace, St. John the Baptist Parish, Louisiana</p> <p>Meyer Engineers, Ltd. 4937 Hearst Street Metairie LA 70001</p> <p>Eric Colwart, P.E., 504-885-9892 colwart@meyer-e-l.com</p>	<p>Geotechnical engineering services for the construction of new water main pipeline (approximately 16,500 linear feet) between Cardinal Street and Woodland Drive in LaPlace, LA. Gulf South's scope includes drilling five undisturbed soil borings (1 per jack and bore site) each to a depth of 30 feet below the ground surface, laboratory testing, engineering analyses with recommendations for the temporary retaining system (TRS; a sheetpile wall for excavation), dewatering, sheet pile design parameters.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024	N/A	\$15,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>LaPlace Water Source Project: New Intake, Pump Stations & Pretreatment Facility, LaPlace, St. John the Baptist Parish, Louisiana</p> <p>Barowka & Bonura LLC 209 Canal Street Metairie LA 70005</p> <p>Jeff Bonura, P.E., 504-828-0030 jbonura@bbecllc.com</p>	<p>Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, laboratory testing, engineering analyses (bearing values, bedding & backfills settlement, pile capacities, earth pressures, slope stability, cofferdam analyses, levee analyses) and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2024	N/A	\$100,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Membrane Water Treatment Plant Expansion, LaPlace, St. John the Baptist Parish, Louisiana</p> <p>CDMSmith, Inc. 1515 Poydras Street Suite 1350 New Orleans LA 70112</p> <p>Clayton Driggs, 225-698-1600 driggscj@cdmsmith.com</p>	<p>Geotechnical engineering services for the expansion of the existing Membrane WTP project in LaPlace, LA. Structures include the water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling six undisturbed soil borings (60 ft.) 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:
2023	N/A	\$26,795 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Raw Water Intake (RWI) Structure Rehabilitation, Plaquemine, Iberville Parish, Louisiana</p> <p>Pan American Engineers 1717 Jackson Street Alexandria LA 71301</p> <p>Marcus J. Guillory, P.E., 318-473-2100 marcus@paealex.com</p>	<p>Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercostal Water Way (IWW) near Highway 3066 (Bayou Road) in Iberville Parish, LA. Gulf South's scope includes drilling three undisturbed soil borings (depths of 60 ft. bgs), 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:
January 2020	N/A	\$17,300 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, Louisiana</p> <p>City of Slidell Department of Engineering 250 Bouscaren St Ste 302 Slidell LA 70458</p> <p>Blaine Clancy, P.E., 985-646-6124 bclancy@cityofslidell.org</p>	<p>Geotechnical investigation for construction of new water system improvements near Town Center Parkway in Slidell, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 50 ft.; one at 15 ft.), laboratory testing, and engineering analyses including net soil bearing values, below grade and pipeline foundation recommendations, pile load capacities for compression, tension, lateral cases, estimates of settlement, passive lateral earth pressures, modulus of soil reaction, soil resistivity values, bedding and backfill recommendations, rigid and/or flexible pavement design recommendations, special local soil conditions, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2018	N/A	\$9,900 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Sauvage Water Control Pipe Replacement, U.S. Wildlife & Fisheries, New Orleans, Louisiana</p> <p>Johnson McAdams 340 Poplar View Lane East, Suite 4 Collierville TN 38017</p> <p>Chip Johnson, P.E., 901-861-4200 chipjohnson@bellsouth.net</p>	<p>Geotechnical investigation for drainage pipe replacement at 2 sites for the U. S. Fish and Wildlife in New Orleans, LA. New drainage pipes will be 6 feet in diameter. Drill 1 boring to 20 feet in depth at each site and perform 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:
July 2012	N/A	\$3,500 (fee)

PROJECT NO. 8		
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@bkusa.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 (pile capacities & settlement) 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. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Airline Highway Backwater Protection Project, St. John the Baptist Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>David Boyd, 504-486-5901 dboyd@bkusa.com</p>	<p>Geotechnical engineering services for the construction of a new water source infrastructure project between the Mississippi River (MSR; east bank) and railway just north of 5th street in LaPlace, LA. Proposed structures will consist of water intake structure, pump stations, pipeline crossing levee, below grade pipelines, and a pretreatment plant. Gulf South's scope includes permitting, clearing, drilling ten undisturbed soil borings (3 at 80 ft, 3 at 30 ft, 3 at 100 ft, and 1 at 150 ft) below the ground surface, execution of laboratory testing, provision of engineering analyses (bearing values, bedding & backfills settlement, pile capacities, earth pressures, slope stability, cofferdam analyses, levee analyses) and establishing general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2020	N/A	\$55,000 (fee)

PROJECT NO. 10		
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 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.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2024	N/A	\$48,000 (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.

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.

TEC Professional Services Questionnaire

N. continued.

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

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.

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.

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

TEC Professional Services Questionnaire

N. continued.

- 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 and oversight for projects as small as fill for 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 over 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

Activity is dependent on the scope of work as well as site access and conditions, however; typically soil borings can be started within one week of receiving notice to proceed with a final product delivered within 3 to 4 weeks of completing the borings. Gulf South's workload & scheduling, coupled with our headquarters being nearby, will allow for assignment of key personnel shortly after any project is assigned.

CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

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..

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)

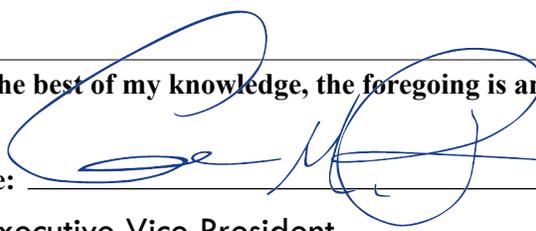
Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

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: June 14, 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, PE
15 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

Handwritten signature of Chad A. Gartrell

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 micrometers (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.

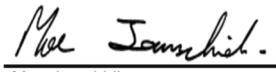
in

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

