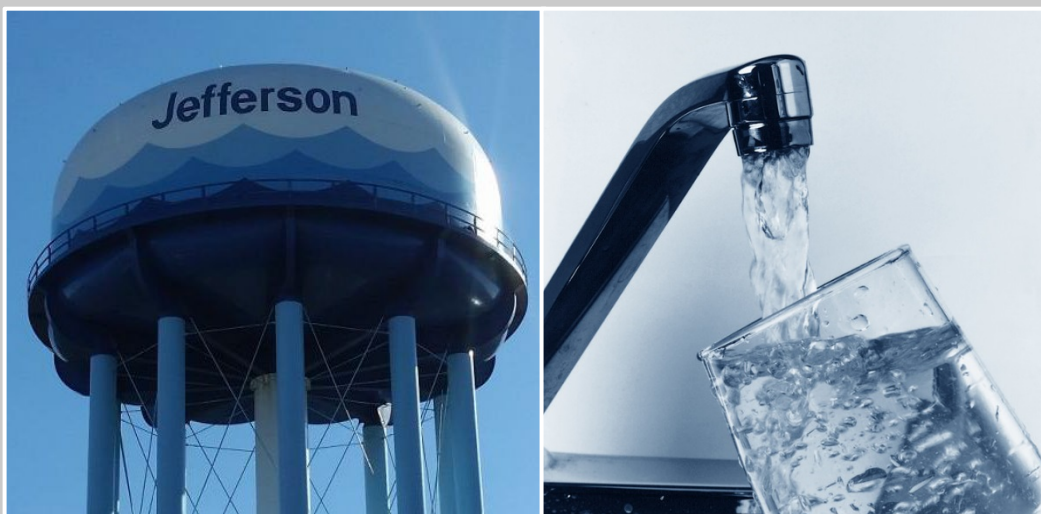


QUALIFICATIONS & CREDENTIALS

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



P: (504) 885-0500
F: (504) 885-0595



Routine Engineering Services for Water Projects in Jefferson Parish Resolution No. 138809

Presented To:



March 31, 2022

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(Prime Consultant)

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(Subconsultant: Surveying)

- TEC Professional Services Questionnaire

4. GULF SOUTH ENGINEERING AND TESTING, INC.

(Subconsultant: Geotechnical Engineering)

- TEC Professional Services Questionnaire

5. IMC CONSULTING ENGINEERS, INC.

(Subconsultant: Mechanical & Electrical Engineering)

- TEC Professional Services Questionnaire

1. N-Y TEAM INTRODUCTION

Cover Letter and Project Organization Chart





Reply to Metairie Office

FRANK NICOLADIS, P.E.	PRESIDENT
MICHAEL F. NICOLADIS, E.I.	SENIOR VICE PRESIDENT
CONSTANTINE F. NICOLADIS, P.E.	VICE PRESIDENT
JAMES E. SIMMONS, P.E.	VICE PRESIDENT
MICHAEL G. BUISSON, JR., ARCHITECT, AIA	VICE PRESIDENT
BRUCE J. RICHARDS, AICP, PTP	VICE PRESIDENT
CHAD C. LEINGANG, CPA	ASSISTANT VICE PRESIDENT
CHERIE B. STIVERS, SMPS	ASSISTANT VICE PRESIDENT

March 31, 2022

ESTABLISHED 1969

Jefferson Parish Council
c/o Eula A. Lopez, Parish Clerk
200 Derbigny Street
General Government Bld., Suite 6700
Gretna, LA 70054

**Re: Routine Engineering Services for Water Projects in Jefferson Parish
Resolution No. 138809**

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-three (53) 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, a Vice President and Civil Engineer, will serve as Project Manager. He has 35 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; W. Tully Rhodes, 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.



N-Y has significant experience managing and coordinating subconsultants for all required basic and supplemental services. 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, Michael F. Nicoladis 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.


Frank Nicoladis, PE
President

N-Y TEAM ORGANIZATION CHART



Routine Engineering Services for Water Projects
in Jefferson Parish
Resolution No. 138809

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

Topographic Surveying

BFM Corporation, LLC
Ralph Fontcuberta, Jr., PLS
John Philip Thayer, Field Operations
Gary Lambert, LSI
Chris Lemley, Survey 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
W. Tully Rhodes, PE
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
Louis Pastor, CPD

Geotechnical Engineering

Gulf South Engineering and Testing, Inc.
Chad M. Poche', PE
Blake Vutera, PE
Sara Lockwood, EI
Eric Paille, CET

Resident Inspection

N-Y Associates, Inc.
Verlin Ladner, QAR
Stanley Mitchell, QAR
Johnny Thompson, 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. 138809																																																																						
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, President 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, Vice President 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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 5%; text-align: center;">3</td> <td style="width: 35%;">Administrative</td> <td style="width: 5%; text-align: center;">*</td> <td style="width: 35%;">Estimators</td> <td style="width: 5%; text-align: center;">**</td> <td style="width: 20%;">Specification Writers</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Architects (Licensed)</td> <td style="text-align: center;">--</td> <td>Geologists</td> <td style="text-align: center;">3</td> <td>Structural Engineers</td> </tr> <tr> <td style="text-align: center;">--</td> <td>Chemical Engineers</td> <td style="text-align: center;">--</td> <td>Geotechnical Engineers</td> <td style="text-align: center;">--</td> <td>Graduate Engineers</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Civil Engineers</td> <td style="text-align: center;">--</td> <td>Interior Designers</td> <td style="text-align: center;">--</td> <td>Project Managers</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Construction Inspectors</td> <td style="text-align: center;">--</td> <td>Landscape Architects</td> <td style="text-align: center;">--</td> <td>Clerical</td> </tr> <tr> <td style="text-align: center;">--</td> <td>Ecologists</td> <td style="text-align: center;">--</td> <td>Land Surveyor</td> <td style="text-align: center;">--</td> <td>Grant/Funding Specialist</td> </tr> <tr> <td style="text-align: center;">--</td> <td>Electrical Engineers</td> <td style="text-align: center;">--</td> <td>Mechanical Engineers</td> <td style="text-align: center;">***</td> <td>Sanitary Engineers</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Engineer Intern (Civil)</td> <td style="text-align: center;">--</td> <td>Environmental Engineers</td> <td style="text-align: center;">****</td> <td>Transportation Engineers</td> </tr> <tr> <td style="text-align: center;">--</td> <td>Professional Land Surveyors</td> <td style="text-align: center;">1</td> <td>Planners Urban/Regional</td> <td style="text-align: center;">3</td> <td>CAD Operators</td> </tr> <tr> <td style="text-align: center;"></td> <td></td> <td style="text-align: center;"></td> <td></td> <td style="text-align: center;">1</td> <td>Eng. Technicians (Civil)</td> </tr> <tr> <td style="text-align: center;"></td> <td></td> <td style="text-align: center;"></td> <td></td> <td style="text-align: center;">25</td> <td>TOTAL</td> </tr> </table> <div style="margin-top: 10px;"> <p>* <i>N-Y senior technical personnel prepare estimates.</i></p> <p>** <i>N-Y senior technical personnel write specifications.</i></p> <p>*** <i>N-Y Sanitary Engineers are included in Civil Engineers.</i></p> <p>**** <i>N-Y Transportation Engineers are included in Civil and Structural Engineers</i></p> </div>					3	Administrative	*	Estimators	**	Specification Writers	4	Architects (Licensed)	--	Geologists	3	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	3	CAD Operators					1	Eng. Technicians (Civil)					25	TOTAL
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F.	Is this submittal by a JOINT-VENTURE? Please check: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> 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: <div style="border-bottom: 1px solid black; width: 100px; margin-left: 0;">12</div>		

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 - 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:		
35 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:		
<p>Mr. Nicoladis has 35 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.</p> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> Water Experience: </div> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>		
<p>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.</p> <p>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.</p> <p>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).</p> <p>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.</p> <p>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).</p>		

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.

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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:

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

- Sewerage, Drainage and Waterline Improvements at the Lafitte Public Housing Development; New Orleans, LA
- Sewerage, Drainage and Waterline Improvements to the St. Bernard Public Housing Development for the Housing Authority of New Orleans (HANO)
- Master Site Development and Final Plans for HOPE VI Revitalization of the Desire Housing Development, LA 1-14 for HANO. This project included new streets, drainage, water, sewerage and all privately owned utilities for a new \$20 million, 98 acre subdivision.
- Master Site Development and Final Engineering Plans for the \$10 million Revitalization of the Guste Low-Rise Housing Development for HANO. The project included new streets, drainage, water, sewerage and all privately owned utilities.

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)

9643 Brookline Avenue, Suite 121

Baton Rouge, LA 70809

Phone (225) 925-6291

www.lapels.com

Mr. Constantine Frank Nicoladis

License/Certificate Type - Number


PE.0027095

Expiration Date

09/30/2023

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:		
Name & Title:		
Frank Nicoladis, PE - President		
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:		
53 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:		
<p>Mr. Nicoladis has 65 years of experience as a consulting engineer, with 53 years as President of N-Y. Mr. Nicoladis serves as a Principal for the firm's projects undertaken for public agencies at the federal, state, and local levels – ensuring that N-Y's quality control systems are implemented and the firm's resources are efficiently utilized to provide clients with a level of services that exceeds their expectations. Some of his primary concerns are seeing that projects are adequately staffed and the client's schedule and budget are met.</p> <p>Mr. Nicoladis and his firm have been working in Jefferson Parish for over 45 years and have the following types of project experience:</p> <ul style="list-style-type: none"> ▪ 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 <p>Water Experience:</p> <p>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.</p>		
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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)

LICENSURE: FRANK NICOLADIS, PE



**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

03/31/2023

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Michael F. Nicoladis, EI, MBA - Senior Vice President	
Project Assignment:	
Principal / Project & Subconsultant Management	
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/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:	
<p>Mr. Nicoladis has had a variety of design, construction administration and project management experience since joining the firm in 1984. As Senior Vice 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.</p> <p>Water Experience:</p> <p>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).</p> <p>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.</p> <p>Site and Utility Improvements for St. Bernard Public Housing Development; New Orleans, LA: The replacement of 14,600 LF of 1" to 12" water line, 13,400 LF of 60 year-old 4" to 7" sewer line, and 7,850 LF of 4" to 18" drainage line, as well as appurtenances throughout the sixteen square block site. Work also included plumbing underneath the 130 residential buildings and other sitework.</p>	<p>Site and Utility Improvements for Lafitte Public Housing Development; New Orleans, LA: The replacement of 6,500 LF of 1" to 12" water line, 20,500 LF of 60 year-old 4" to 8" sewer line, and 4,250 LF of 6" to 10" drainage line, as well as all appurtenances.</p> <p>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.</p> <p>Memberships & Associations:</p> <ul style="list-style-type: none"> 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)



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:

13 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 29 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.

Water 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.

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.

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.

➤ 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.

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

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

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

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

Memberships & Associations:

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

LICENSURE/CERTIFICATIONS: FRED MORTALI, PE



**LOUISIANA PROFESSIONAL
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(LAPELS)**

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

Mr. Fred Charles Mortali

License/Certificate Type - Number

PE.0035111

Expiration Date

03/31/2024

Status: **Active**



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

[Signature]
Authorized Instructor



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:	
28 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:	
<p>Mr. Simmons has 44 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.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Water Experience: </div> <p>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.</p> <p>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.</p>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Additional Experience: </div> <p>Street Projects (including utility reconstruction):</p> <ul style="list-style-type: none"> ▪ 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 <p>Flood Control Projects:</p> <ul style="list-style-type: none"> ▪ 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

Other experience and qualifications relevant to the proposed Project:**JAMES E. SIMMONS, PE - PAGE 2**

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

Mr. James E. Simmons

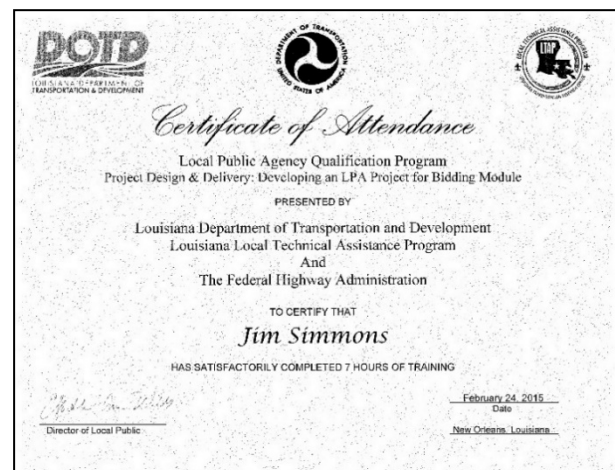
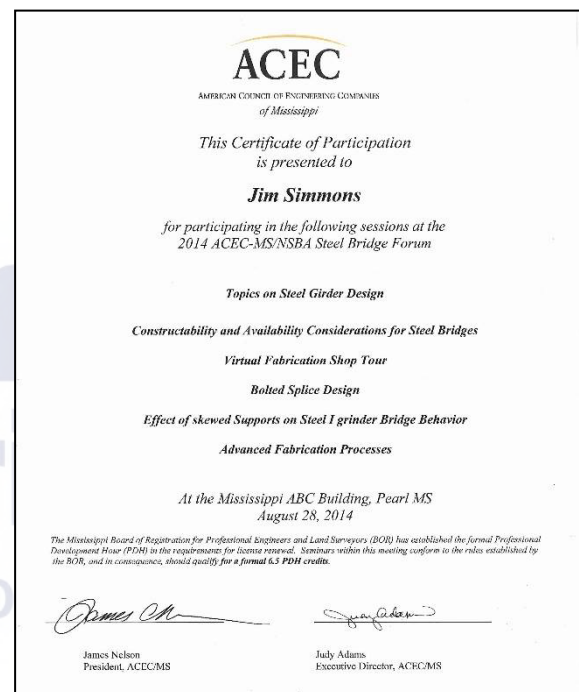
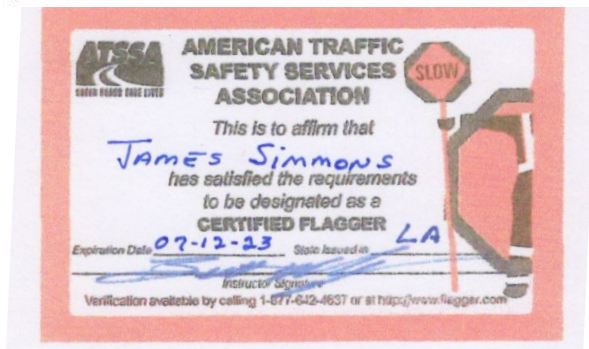
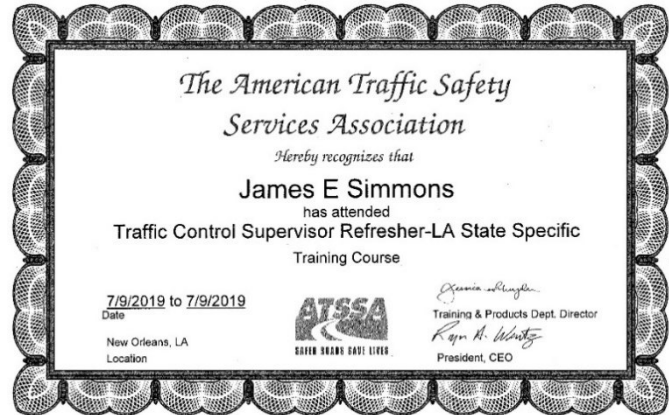
License/Certificate Type - Number


PE.0019891

Expiration Date

09/30/2023

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. (contract consultant)	
Years' experience with this Firm:	
2 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:	
<p>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.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Roadway & Drainage Experience: </div> <p>➤ With N-Y</p> <p>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.</p> <p>➤ With Other Firms</p> <p>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.</p> <p>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.</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Memberships & Associations: <ul style="list-style-type: none"> ▪ American Society of Civil Engineers ▪ Society of American Military Engineers </div>

LICENSURE/CERTIFICATIONS: WILLIAM HAENSEL, PE, PLS

	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 B. Haensel Jr.	
License/Certificate Type - Number	Expiration Date
PE.0013375	03/31/2024
Status: Active	

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Mr. William B. Haensel Jr.	
License/Certificate Type - Number	Expiration Date
PLS.0004338	03/31/2024
Status: Active	

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:

41 Years (contract consultant 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 61 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.

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.

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



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

Mr. Neil D. Logan

License/Certificate Type - Number


PE.0014607

Expiration Date

03/31/2023

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
W. Tully Rhodes, PE – Civil Engineer	
Project Assignment:	
Senior Civil and Hydraulic Engineer / H&H Modeler	
Name of Firm with which associated:	
N-Y Associates, Inc.	
Years' experience with this Firm:	
18 Years	
Education: Degree(s)/Year/Specialization:	
Bachelor of Science/1976/Mississippi State University/Civil Engineering	
Master of Science/1977/Mississippi State University/Environmental Engineering	
Active registration: Year first registered/discipline:	
LA (19885)/1984/Civil Engineering MS (8055)/1980/Civil Engineering	
Other experience and qualifications relevant to the proposed Project:	
<p>Mr. Rhodes has 43 years of experience and has been in responsible charge of water, wastewater, street and drainage projects for 32 years. He has worked almost exclusively as a project manager on municipal infrastructure projects since 1986.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Water Experience: <ul style="list-style-type: none"> ▪ Water System Facilities Plan; West Harrison, MS ▪ Janice Water Association Wells and Distribution System ▪ Water System Hydraulic Analysis; City of Wiggins, MS ▪ Water System Facility Plan; City of Wiggins, MS ▪ Popps Ferry Elevated Storage Tank for the City of Biloxi - Design and Construction ▪ Pine / Myrtle Municipal Water Distribution Project for the City of Biloxi - Design and Construction ▪ Utility Association Water System Hydraulic Analysis; Stone County, MS ▪ Master Water Plan; City of Wiggins, MS ▪ MDOT Canal Road Water Main Relocation ▪ MDOT Dolan Mobile Home Park Utility Relocation <p>➤ With Other Firms</p> <ul style="list-style-type: none"> ▪ Industrial Water Transmission Project, Phase I & II; Jackson County, MS ▪ Master Utility Plan for the Helena Community; Jackson County, MS ▪ Robert Road Municipal Water Well (2,500 gpm capacity) - Design and Construction ▪ Water Treatment Plant Expansion; City of Ruston, LA </div>	<div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> Additional Experience: <p>Drainage Projects</p> <ul style="list-style-type: none"> ▪ Comprehensive Drainage Master Plan for the City of Gulfport, MS ▪ Drainage Project B Plans and Specifications, Bay St. Louis, MS ▪ Easterbrook / St. John Drainage Project, Bay St. Louis, MS ▪ Bay St. Louis/Waveland, MS Middle School Site Design ▪ Project Specifications for the Relocation of Hewes Blvd.; Gulfport, MS ▪ Kiln Public Library Site Design; Hancock County, MS <p>Wastewater Projects</p> <ul style="list-style-type: none"> ▪ Wastewater Treatment Needs Evaluation; Harrison County, MS ▪ Wastewater Master Utility Plan; West Harrison County, MS ▪ Wastewater Facilities Plan; West Harrison County, MS ▪ Wastewater Facilities Plan Amendment; West Harrison County, MS ▪ Water System Facilities Plan; West Harrison County, MS ▪ Elementary School Onsite Wastewater Treatment System Design; West Hancock County, MS ▪ Wastewater Facilities Plan; East Central Harrison County, MS ▪ 34th Street Pumping Station Hydraulic Design; Gulfport, MS ▪ Cowan Pump Station Hydraulic Design; Gulfport, MS ▪ Gulfport Pumping Station Rehabilitation Hydraulic Design; Gulfport, MS </div>

Other experience and qualifications relevant to the proposed Project:	WILLIAM TULLY RHODES, PE – PAGE 2
<ul style="list-style-type: none"> Wastewater Treatment System Expansion; City of Wiggins, MS Wastewater Pump Station Improvements; City of Wiggins, MS Wastewater Treatment Plant Improvements; Long Beach/Pass Christian, MS Master Wastewater Plan; City of Wiggins, MS Schools Wastewater Treatment Design (At two different sites); Hancock County, MS <p>Roadway Projects</p> <ul style="list-style-type: none"> New Orleans Avenue Roadway Design West Frontage Road Design, Highway 49; Wiggins, MS <p><i>Mr. Rhodes also gained valuable experience while employed with other firms, including:</i></p> <p>Waggoner Engineering; Pascagoula, MS (10/94 - 04/96) Role: Service Area Manager</p> <ul style="list-style-type: none"> West Wastewater Facility Plan; Ocean Springs, MS Master Drainage Plan; City of Pascagoula, MS <p>Brown & Mitchell; Gulfport, MS (10/90 – 9/94) Role: Project Manager</p> <ul style="list-style-type: none"> Wastewater Facilities Plan; Bayou View, MS Wastewater Facilities Plan; Southwest Gulfport, MS Chamberlain Avenue Wastewater Facilities Plan; Gulfport, MS Coffee Creek and College Park Wastewater Facility Plan Addendum Regional Wastewater Treatment Capacity Evaluation; Biloxi & Gulfport, MS Wastewater Collection System Improvements; Bayou View, MS Wastewater Collection System Improvements; Southwest Gulfport, MS Sweetwater Trails Subdivision; Gulfport, MS <p>N-Y Associates, Inc.; Biloxi, MS (03/86 to 09/90) Role: Civil Engineer</p> <ul style="list-style-type: none"> St. Michael Wastewater Facilities Plan; City of Biloxi Central Business District Wastewater Facilities Plan; City of Biloxi, MS Regional Wastewater Interceptor Project; North Biloxi Sunkist Regional Wastewater Interceptor Project; Biloxi, MS Seaway Island Regional Wastewater Interceptor Project; Biloxi, MS Division Street Roadway Improvements; City of Biloxi Three annual utility system reports; City of Biloxi 	<p>City Engineer; Slidell LA (09/83 – 02/86) Role: City Engineer</p> <ul style="list-style-type: none"> Municipal Wastewater Treatment Plant – Construction Administration Municipal Collection System Expansion – Construction Administration Operation Rainwater Municipal Drainage Project - Construction Administration Review of site plans for major developments such as Schwegmann's Shopping Center and the new NME hospital <p>Beard Engineering; Baton Rouge, LA (04/81 – 07/83) Role: Project Engineer</p> <ul style="list-style-type: none"> Wastewater Facilities Plan; City of Ruston, LA Wastewater Treatment Plant Expansion; City of Ruston, LA Municipal Wastewater Pump Station; City of Ruston, LA Municipal Utility Department Maintenance Building; City of Ruston, LA <p>N-Y Associates, Inc.; Metairie, LA (10/77 – 03/81) Role: Project Engineer</p> <ul style="list-style-type: none"> Wastewater Treatment Plant Expansion; Bridge City, LA Wastewater Collection System Design; St. John the Baptist Parish, LA Wastewater Facilities Plan Revisions; St. John the Baptist Parish, LA Wastewater Facilities Plan; St. James Parish, LA Wastewater Facilities Plan; Seminary, MS West Bank Wastewater Facilities Plan Revisions; St. Charles, LA Wastewater System Inflow and Infiltration Study; City of Magee, MS \$150 million MS. Gulf Coast Regional Wastewater Treatment Study Wastewater Collection System Design; St. James Parish Wastewater Collection System Design; Seminary, MS Munster Wastewater Treatment Plant Expansion; St. Bernard Parish, LA <div data-bbox="824 1612 1230 1654" style="border: 1px solid black; padding: 2px;"> <p>Memberships & Associations:</p> </div> <ul style="list-style-type: none"> American Society of Civil Engineers



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:

2 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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Ms. Patricia Renee' Claverie	
License/Certificate Type - Number	Expiration Date
EI.0019340	09/30/2022
Status:	Active



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:

48 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:

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.

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.

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

Wastewater Projects:

- Bridge City Wastewater Treatment Plant Expansion; Jefferson Parish, LA
- New, 23,000 GPM Sewage Pumping Station at Transcontinental Drive and Vineland Street; Jefferson Parish, LA
- LaPlace Wastewater Treatment Plant; St. John the Baptist Parish, LA
- Munster Wastewater Treatment Plant Expansion; St. Bernard Parish, LA
- Wastewater Treatment Facilities; Town of Franklinton

Memberships & Associations:

- American Society of Certified Engineering Technicians

CERTIFICATIONS: DENNIS VOSS, NICET LEVEL IV



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BE IT KNOWN THAT

Dennis G. Voss Sr.

IS HEREBY AWARDED CERTIFICATION AT

Senior Engineering Technician

IN CIVIL ENGINEERING TECHNOLOGY

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CERTIFICATION NUMBER 54584

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

Certificate of Attendance

presented to

Dennis Voss

for attending the

**Roundabout Design Workshop
Level 1**


and for having been awarded 12 Professional Developmental Hours

October 14-15, 2008

Baton Rouge, Louisiana

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:	
2 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:	
<div> Drainage and Flood Control Experience: </div> <p>➤ With N-Y</p> <p>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.</p> <p>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.</p> <p>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.</p> <div> Roadways and Bridges Experience: </div> <p>➤ With N-Y</p> <p>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).</p>	<p>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.</p> <p>➤ With Other Firms</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

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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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:

4 Years / 19 Years with Other Firms

Education: Degree(s)/Year/Specialization:

Associates Degree/1985/Engineering Technology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Drainage and Flood Control Projects:

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

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

Roadways and Bridges:

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

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

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

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

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

Other Experience:

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

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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:	
Verlin Ladner – 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:	
20 Years	
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active registration: Year first registered/discipline:	
USACE Certified in Quality Assurance Management; LADOTD Certified in Asphalt Paving Inspection; LADOTD Level III Construction Inspector	
Other experience and qualifications relevant to the proposed Project:	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Quality Assurance Experience: </div> <p>➤ With N-Y</p> <p>Shell Potable Waterline; St. John the Baptist Parish, LA: Resident Inspection for the extension of the dead end 12" waterline on Airline Highway (US 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).</p> <p>Main Street Drainage Improvements; Plaquemines Parish, LA: Resident Inspection for new subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.</p> <p>Transcontinental/Vineland Booster Station Gravity Overflow Line; Jefferson Parish, LA: Resident Inspection for an overflow bypass system which includes two, 24 inch sewer mains installed at the top of the above ground wet well which manifolds into a 36 inch sewer force main.</p> <p>Shell Potable Waterline; St. John the Baptist Parish, LA: Resident Inspection for the extension of the dead end 12" waterline on Airline Highway (US 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).</p> <p>Rehabilitation of the East-West Runway at Louis Armstrong New Orleans International Airport; Kenner, LA: Full-time resident inspection for the segment of the East-West Runway Rehabilitation with lies over the "tunnel".</p> <p>Improvements to West Napoleon Avenue, from Cleary Avenue to Houma Boulevard; Jefferson Parish, LA: Resident Inspection for a new four-lane, urban roadway. The 2250 LF project includes a 13.5'h x 40'w, double barrel, 195 foot long box culvert at the Suburban Drainage Canal, tie-ins to all existing streets, and curb and gutter and subsurface drainage.</p>	<p>Improvements to Veterans Memorial Boulevard, from David Drive to Roosevelt Boulevard; Metairie, LA: Resident Inspection for widening 4,000 LF of urban roadway from four lanes to six lanes, including traffic signalization, topographic survey, asphaltic concrete, curb and gutter, and subsurface drainage, along with adjacent concrete sidewalks.</p> <p>Improvements to West Esplanade Avenue, from Bonnabel Boulevard to Lake Avenue; Jefferson Parish, LA: Resident Inspection for improvements to West Esplanade Avenue from Bonnabel Boulevard to Lake Avenue, consisting of widening a 1 mile, 1-lane roadway to a 2-lane urban roadway with curb and gutter, subsurface drainage, and asphaltic concrete.</p> <p>➤ With Other Firms</p> <p>Quality Assurance Representative and Resident Inspector for Various USACE Flood Control Projects (2007-2013): Resident Inspection of various flood control projects including:</p> <ul style="list-style-type: none"> ▪ IHNC Hurricane Protection in New Orleans, LA ▪ Lake Cataouatche Levee Enlargement and Pump Station Fronting Protection in Jefferson and St. Charles Parishes, LA; ▪ WBV-76 Western Tie-in Hwy 90 Pump Station in Jefferson Parish, LA ▪ WBV-74 Western Tie-In Closure Structure (Sector Gate) in St. Charles Parish, LA ▪ Buras Levee Emergency Repairs ▪ Empire Floodgate ▪ Sunrise and Grand Laird Pump Stations

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:

8 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.

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:

5 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

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.

Brown & Root Industrial Services (1993-1995):

Mr. Thompson served as a Project Superintendent for Brown & Root Industrial Services. He was responsible for the planning, scheduling and contract management of various projects.

- 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 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 data-bbox="196 1352 493 1591" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><u>N-Y Personnel:</u> 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. 2

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="196 898 466 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="722 823 1094 1077" style="text-align: center;">  </div> <div data-bbox="1127 823 1508 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 1354 1385 1696" style="text-align: center;">  </div>	
Completion Date (Actual or Estimated):	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 style="text-align: center;">100%</p>


PROJECT NO. 2 (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-top: 20px;"> <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. 	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>D. 2003 E. 2007</p>	<p>D. \$600,000 E. \$350,000</p>	<p>100%</p>






PROJECT NO. 3

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 data-bbox="126 877 407 1094"> <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:
2022	\$300,000	100%

PROJECT NO. 4

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Shell Potable Water Line St. John the Baptist Parish, LA</p> <p>Owner: St. John the Baptist Parish Department of Public Works 1801 West Airline Hwy Laplace, LA 70068</p> <p>Contact: Jaclyn Hotard, Parish President (985) 652-9569</p>	<p>Design, Bidding, Construction Administration and Resident Inspection for extending the dead end 12" water line on Airline Highway (U.S. 61) west of Terre Haute Road 3430 LF to the Shell facility for emergency purposes (Concha Lane).</p> <div><p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE D. Voss, NICET</p></div>	
		
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$250,000	100%




PROJECT NO. 5

PROJECT NO. 5											
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:										
<p>Waterline Replacement Program for the French Quarter and CBD New Orleans, LA</p> <p>Owner: Sewerage and Water Board of New Orleans 625 St. Joseph St. New Orleans, LA 70165</p> <p>Contact: Ron Spooner, PE General Superintendent (504) 865-0409</p> <div>FEMA Funded</div> <div><p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE D. Voss, NICET C. LeMay</p></div>	<p>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.</p> <div><table><tr><td>8" Waterline</td><td>2,500 LF</td></tr><tr><td>12" Waterline</td><td>5,000 LF</td></tr><tr><td>20" Waterline</td><td>480 LF</td></tr><tr><td>24" Waterline</td><td>1,450 LF</td></tr><tr><td>30" Waterline</td><td>1,450 LF</td></tr></table></div> <p>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:</p> <ul style="list-style-type: none">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 connectionsRemoval of existing drainage lines and replacement with 2919 LF of 18" drain lineRemoval and reconstruction of the existing roadwaySidewalk and ADA ramp replacement, as required	8" Waterline	2,500 LF	12" Waterline	5,000 LF	20" Waterline	480 LF	24" Waterline	1,450 LF	30" Waterline	1,450 LF
8" Waterline	2,500 LF										
12" Waterline	5,000 LF										
20" Waterline	480 LF										
24" Waterline	1,450 LF										
30" Waterline	1,450 LF										
<div></div>											
Completion Date (Actual or Estimated):	Estimated Cost:										
	Entire Project:	Work for which Firm was Responsible:									
<p>A. 2018 B. 2023</p>	<p>A. \$11 million B. \$4.4 million</p>	<p>100%</p>									

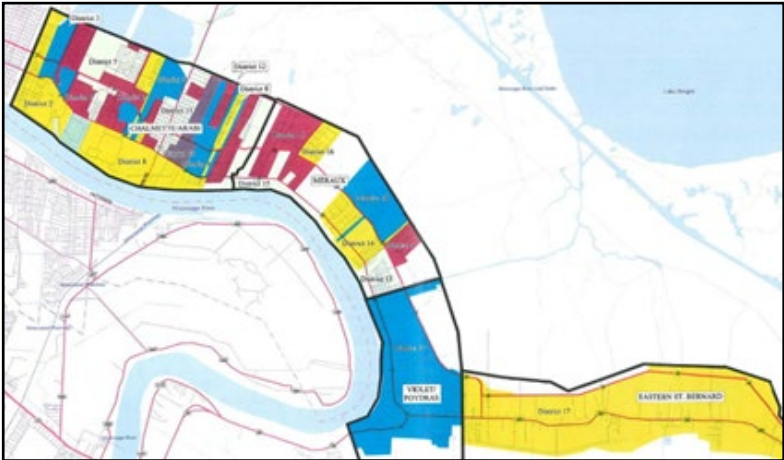
PROJECT NO. 6

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: Matthew Falati, PE 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 782 1549" data-label="Image"> </div> <div data-bbox="854 1054 1455 1434" data-label="Image"> </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>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>A. 2018 B. 2001 C. 1993</p>	<p>A. \$1.7 million B. \$500,000 C. \$1.4 million</p>	<p>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 Matthew Falati, PE (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>	   <div data-bbox="683 1499 938 1648"> <p><u>N-Y Personnel:</u> F. Nicoladis, PE C. Nicoladis, PE D. Voss, NICET</p> </div>
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>A. 2005</p> <p>B. 2011</p> <p>C. 1980</p>	<p>A. \$1 million</p> <p>B. \$500,000</p> <p>C. \$300,000</p>	<p>100%</p>

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: Matthew Falati, PE Director of Public Works (504) 278-4300</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <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>	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>a. 2000 b. 2004</p>	<p>a. N/A b. N/A</p>	<p>100%</p>

PROJECT NO. 9

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Street and Utility Reconstruction Projects for the City of New Orleans, LA</p> <p>Owner: City of New Orleans, Dept. of Public Works 1300 Perdido Street New Orleans, LA</p> <p>Contact: Nguyen Phan, PE, Chief Engineer (504) 658-8044</p> <div data-bbox="115 1325 406 1570"> <p>N-Y Personnel: F. Nicoladis, PE J. Simmons, PE M. Nicoladis, EI, MBA C. Nicoladis, PE F. Mortali, PE D. Voss, NICET</p> </div>	<p>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.</p> <ul style="list-style-type: none"> 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 <p>* Project included multiple streets</p>	
<p>Completion Date (Actual or Estimated):</p>	<p>Estimated Cost:</p>	
<p>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</p>	<p>Entire Project:</p> <p>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</p>	<p>Work for which Firm was Responsible:</p> <p>100%</p>





b. South Galvez Street





b. Canal Street

PROJECT NO. 10

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<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: Natalie Robottom, Parish President (985) 652-9569</p> <div data-bbox="120 1205 370 1354"> <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. 	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
A. i. 1976	i. \$600,000	100%
ii. 1977	ii. \$750,000	

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: Mr. Blaise Gravois, CAO (225) 562-2454</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> 	
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>B. i. 1976</p> <p>ii. 1977</p>	<p>i. \$900,000</p> <p>ii. \$750,000</p>	<p>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.		
<div> <div> 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 </div> <div> II. MINIMUM QUALIFICATIONS 1. One Principal who is a Professional Engineer who shall be registered as such in Louisiana: <ul style="list-style-type: none"> Frank Nicoladis, PE LA PE No. 5924, Expires 03/31/2023 65 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: <ul style="list-style-type: none"> Constantine F. Nicoladis, PE LA PE No. 27095, Expires 09/30/2023 35 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): <ul style="list-style-type: none"> James Simmons, PE LA PE No. 19891, Expires 09/30/2023 45 Years of Experience Fred Mortali, PE LA PE No. 35111, Expires 03/31/2022 29 Years of Experience Neil Logan, PE LA PE No. 14607, Expires 03/31/2023 61 Years of Experience W. Tully Rhodes, PE LA PE No. 19885, Expires 09/30/2023 43 Years of Experience </div> </div>		
<div> I. EXECUTIVE SUMMARY <p>Although N-Y Associates, Inc. is sometimes mistaken for "New York", N-Y is actually a fifty-three (53) 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.</p> <p>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.</p> <p>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.</p> </div>		

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 35 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 29 years experience.
- **W. Tully Rhodes, PE:** Senior Civil & Hydraulic Engineer, with a B.S. in Civil Engineering and M.S. in Environmental Engineering and 43 years experience.
- **James Simmons, PE:** Senior Civil & Structural Engineer, who has a B.S in Civil Engineering and 45 years experience.
- **William Haensel, PE, PLS:** Senior Civil Engineer, who has a B.S and a M.S. in Civil Engineering and 55 years experience.
- **Neil Logan, PE:** Senior Civil & Structural Engineer, who has a B.S. in Civil Engineering and 61 years of experience.
- **Dennis Voss, NICET:** Senior Engineering Technician with 56 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
- American Institute of Architects
- Louisiana Architects Association

➤ Subconsultants

N-Y has significant experience managing and coordinating subconsultants for all required basic and supplemental services. 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.**



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.



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.

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 forty-nine (49) 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, N-Y was recently 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: Senior Vice President

Date: 3/31/2022

3. BFM CORPORATION, LLC (Subconsultant: Surveying)

TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects

SOQ 22-013 | Resolution No. 138809

B. Firm Name & Address:



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC

15 Veterans Memorial Boulevard
Kenner LA 70062

C. Name, title, & 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

504-468-8800 • 504-460-5239 cell • cpoche@bfmcorporation.com

Registered Professional Civil Engineer, Louisiana No. 27667 (since 1998)

D. Name, title, & 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., Executive Vice President • LA License No. 4329 (1974)

504-468-8800 • 504-451-7500 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:

4	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	1	Geotechnical Engineers	-	Graduate Engineers
-	Civil Engineers	-	Interior Designers	2*	Project Managers
-	Construction Inspectors	-	Landscape Architects	-	Clerical (<i>see Administrative</i>)
-	Ecologists	-	Land Surveyor (<i>see PLS</i>)	-	Grant/Funding Specialist
-	Electrical Engineers	-	Mechanical Engineers	-	Sanitary Engineers
-	Engineer Intern	-	Environmental Engineers	1	Principals
2	Professional Land Surveyors			1	Researcher/Archivist
				3	Drafting/AutoCADD
				5	Survey Crew Chiefs
				6	Instrument Men
				24	TOTAL

* Project Manager also noted in Professional Land Surveyor, but overall employee count is correct.

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 a 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 Prime 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 this Project:

24 (all personnel, primary and support, will be available on all assigned projects)

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 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:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

40 years (Founding Principal of BFM in 1982); 55 years total (1967)

Education: Degree(s)/Year/Specialization:

Coursework, Building, Delgado College, New Orleans
Coursework, Math, University of New Orleans

Active registration: Year first registered/discipline:

1974, Professional Land Surveyor (Louisiana Lic. No. 4329)
1974, Professional Land Surveyor (Mississippi Lic. No. 1633)

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS has better than half a century of experience in the field of surveying and has been a registered Professional Land Surveyor (PLS) since 1974. He is thoroughly knowledgeable in all aspects of surveying: topographic, hydrographic, boundary, right-of-way surveying, and all facets thereof. He has provided surveying services for residential, plant, and industrial layout projects, ranging from small private lots & buildings to multi-million dollar programs, including the New Orleans FEMA Streets/Recovery Roads Program.

Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients. Project work has included topographic surveying needed for a wide variety of engineering, architectural, and related endeavors.

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS (continued)

Mr. Fontcuberta's **surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982**, and before 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:

- *East Bank Water Treatment Plant Improvements, Jefferson Parish, LA*
- *East Jefferson Water Works - River Road, Jefferson Parish, LA*
- *East Bank Water Treatment Plant Improvements - 3D Laser Scanning Survey, Jefferson Parish, LA*
- *Lower Lafitte Waterline, Jefferson Parish, LA*
- *Lower Lafitte Waterline Stakeout, Jefferson Parish, LA*
- *Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA*
- *River Road Water Line Replacement, Jefferson Parish, LA*
- *Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA*
- *Central Avenue Project, Metairie, Jefferson Parish, LA*
- *Emergency Generator Replacement at the East Bank Treatment Plant, Jefferson Parish, LA*
- *Water Line Location Surveying, Grand Isle, Jefferson Parish, LA*
- *River Road Water Line, Waggaman, Jefferson Parish, LA*
- *Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA*
- *Evans Road Waterline Repair - Mississippi River Levee Cross Section, Jefferson Parish, LA*
- *Iris Avenue Water Line Replacement, Jefferson Parish, LA*
- *West Bank Water Intake Basin Hydrographic Survey, Jefferson Parish, LA*
- *Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA*
- *Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA*
- *Fifi Island/Bayou Rigaud Water Line Location, Grand Isle, Jefferson Parish, LA*
- *DPW Proj. 2008-018-WR, Grand Isle Water Tower Site, Town of Grand Isle, 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*
- *Grand Isle Water Main Location, Jefferson Parish, LA*
- *Water Main Installation, Live Oak Boulevard, West Bank, Jefferson Parish, LA*
- *Levee Cross Sections, Waggaman, Jefferson Parish, LA*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

5 years (became partial owner of BFM in 2017); 29 years total (1993)

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:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché 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 more than 20 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 expert witness testimony. 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.

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Levee Cross Sections, Waggaman, Jefferson Parish, LA. BFM's scope of services included a cross section survey with location & inverts of water manholes & valves for the project. (\$2,845 (fee); 2018)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services located submerged pipes upon excavation as part of Task Order No. 3 of the project. (\$19,703 (fee); 2018)

Paillet Basin Tidal Protection Levee, Town of Jean Lafitte, Jefferson Parish, LA. BFM provided topographic and hydrographic surveying services for the project. Scope included establishing three static GPS observation points at major turns on the levee to ensure baseline is constrained to State Plane Coordinates; BFM also established a baseline along the centerline of the existing earthen levee (referenced to NAD 1983 2011). BFM set vertical control Temporary Benchmarks (TBM) which were referenced to horizontal control points (NAVD 1988 Geoid 12B). Plotted a cross section depicting the ground, edge of water, top and toe of earthen levee, and levee centerline at typical widths of 100 feet. Located visible above-ground utilities as well as underground utilities with visible surface evidence (where available, BFM obtained record drawings from relevant agencies to further plot utilities), as well as existing wall, center of pumps, and discharge pipes at the existing pump station. Trees and large shrubbery & etc. were located and described. Existing improvements (such as sheds, piers, and buildings) and trees were included in general location surveying. Deliverables included hardcopy, PDF, and AutoCAD DWG files. (\$150,000 (fee); 2018)

Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA. BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase. (\$46,854 (fee); 2018)

Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area included the Destrehan ramp intersection, Chadwood Drive to Destrehan Avenue, and from the Destrehan ramp to Patriot Street. Surveying services further included the intersection of Destrehan Avenue to all side streets within the project area. (\$86,355 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

14 years (joined BFM in 2008); 15 years total (2007)

Education: Degree(s)/Year/Specialization:

B.S., 2007, Physical Education, Trevecca Nazarene University

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

Mr. Thayer is a Field Operations Supervisor with considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

Central Avenue Project, Metairie, Jefferson Parish, LA. BFM provided topographic surveying services for the Central Avenue project, which extended from Airline Highway to Karen Drive. This included location of utilities, notably the municipal water line. (\$14,580 (fee); 2014)

River Road Water Line, Waggaman, Jefferson Parish, LA. As requested by the Project Engineer, BFM provided water line location & general surveying services for the project, which extended from the St. Charles Parish line to Rivet Boulevard in Waggaman. (\$43,211 (fee); 2012)

Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA. BFM provided as-requested amended surveying services for the project. This was an extension of DPW Proj. 2008-018-WR, executed in 2009, for additional project work. (\$8,753 (fee); 2012)

Water Line Location Surveying, Grand Isle, Jefferson Parish, LA. BFM located a 16-inch water line at Camp Club in Grand Isle, Louisiana. (\$1,701 (fee); 2012)

West Bank Water Intake Basin Hydrographic Survey, Jefferson Parish, LA. BFM provided hydrographic surveying services for the Intake Basin at the West Bank plant. (2011)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Fifi Island/Bayou Rigaurd Water Line Location, Grand Isle, Jefferson Parish, LA. BFM's surveying services located a 16-inch water line utility in Fifi Island and Bayou Rigaurd in Grand Isle, Louisiana. (\$3,178 (fee); 2010)

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)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services. (\$154,770 (fee); 2017)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

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)

Evans Road Waterline Repair – Mississippi River Levee Cross Section, Jefferson Parish, LA. BFM provided cross section surveying services for the Evans Road Mississippi River Levee profiles as requested by the Parish in order to obtain USACE permitting. The cross section view showed the existing levee cross section, the design levee cross section, and the proposed excavation sites. (\$4,485 (fee); 2012)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement, which included the area from River Road to Jefferson Highway. (\$18,493 (fee); 2011)

Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA. BFM provided hydrological surveying services for the project. (\$4,975 (fee); 2010)

Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA. BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project. (\$27,825 (fee); 2011)

Grand Isle Water Tower Site, Town of Grand Isle, Jefferson Parish, LA. BFM provided topographic surveying for the project. (\$6,859 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS

Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 11 years total

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 Lic. No. 5929)

Other experience and qualifications relevant to the proposed Project:

Mr. Lambert provides Project Management and Drafting Oversight for the firm. He has also provided Survey Crew Chief Services since joining BFM and offers a well-rounded experience overview for any project. Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street. (\$12,855 (fee); 2019)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. BFM's project services included both boundary and topographic surveying of the project site. (\$6,870 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., PLS (continued)

Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services for the project in Marrero. BFM established a baseline parallel to Ehret Road, with the beginning, end, and points of intersection referenced by three point ties to topographic features in the area. With the limits of survey established (Ehret Road, Weatherly Place, Crestridge Circle, and Broas Drive), BFM plotted the location of improvements. Visible above-ground utilities & below-ground utilities with visible surface evidence were also plotted. (\$8,790 (fee); 2019)

Coventry Drainage Pump Stations, Jefferson Parish, LA. BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from r/w to r/w along Jefferson Highway. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). Drone Surveying was a key element of the project. The hydrographic survey extended 500 feet into the river from the water's edge. (\$89,780 (fee); 2020)

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

Bissonet Plaza Drainage Improvements (Phase 1), Metairie, Jefferson Parish, LA. BFM prepared a Route Topographic Survey for Phase 1 of the project, located at Elmwood Parkway and Craig Avenue. This project built upon work executed by the firm for a previous extensive surveying project involving Bissonet Plaza subdivision; this allowed for BFM to build upon established surveys to save time and expenses. Surveying for each element of the project included services included confirming all controls and benchmarks, topographic features, location of improvements and utilities, location of natural elements as applicable, and notation of right-of-way points. (\$7,980 (fee); 2020)

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

8 years (joined BFM in 2014); 16 years total (2006)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. 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.


Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

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 Willswood Drive. This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program. (\$84,700 (fee); 2015)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services. (\$154,770 (fee); 2017)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Thomas O. Wright Survey Crew Chief
Project Assignment:
Survey Crew Chief
Name of Firm with which associated:
 Professional Land & Hydrographic Surveying
Years experience with this Firm:
14 years (joined BFM in 2008); 45 years total (1977)
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
American Traffic Safety Service Assn. – Traffic Flagger/Control Technician/Control Supervisor Basic OSHA Training - Completed Transportation Work Identification Card (TWIC)
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Wright has over 40 years of experience in surveying services, including a multitude of project types (water, wastewater, stormwater, drainage, roadway, etc.) throughout the region.</p> <p>Lower Lafitte Waterline, Jefferson Parish, LA. BFM provided stakeout services for the Lower Lafitte Waterline project. (\$10,380 (fee); 2017)</p> <p>Grand Isle Water Tower, Grand Isle, Jefferson Parish, LA. BFM provided as-requested amended surveying services for the project. This was an extension of DPW Proj. 2008-018-WR, executed in 2009, for additional project work. (\$8,753 (fee); 2012)</p> <p>Fifi Island/Bayou Rigaurd Water Line Location, Town of Grand Isle, Jefferson Parish, LA. BFM's surveying services located a 16-inch water line utility in Fifi Island and Bayou Rigaurd in Grand Isle, Louisiana. (\$3,178 (fee); 2010)</p> <p>Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)</p>

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:

32 years (joined BFM in 1990); 32 years total (1990)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

*American Traffic Safety Service Assn. – Traffic Flagger
Transportation Work Identification Card (TWIC)*

Other experience and qualifications relevant to the proposed Project:

Mr. Barrios' surveying experience includes boundary, hydrographic, and topographic. He has worked on location and performed topographic surveys for a number of major projects.

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

Iris Avenue Water Line Replacement, Jefferson Parish, LA. BFM provided topographic surveying services for the Iris Avenue Water Line Replacement, which included the area from River Road to Jefferson Highway. (\$18,493 (fee); 2011)

Grand Isle Water Main Location, Jefferson Parish, LA. BFM provided all surveying services associated with the location of the Grand Isle water main. (\$20,000 (fee); 2002)

Water Main Installation, Live Oak Boulevard, West Bank, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$20,000 (fee); 1998)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
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:

8 years (joined BFM in 2014); 21 years total (2001)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

*American Traffic Safety Service Assn. – Traffic Flagger
Norfolk Southern Roadway Worker Protection Contractor Safety Cert.
Transportation Work Identification Card (TWIC)*

Other experience and qualifications relevant to the proposed Project:

Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

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)

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 Willswood Drive. This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program. (\$84,700 (fee); 2015)

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM's surveying services located submerged pipes upon excavation as part of Task Order No. 3 of the project. (\$19,703 (fee); 2018)

Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, LA. BFM provided bathymetric surveying services for the project. (\$14,804 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin

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:

3 years (joined BFM in 2019); 23 years total (1999)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Mr. Patin has worked as a Survey Crew Chief and Instrumentman for 20 years for a number of southeastern Louisiana surveying firms on projects throughout the region. His work history includes supervision of field crew personnel, operation of various survey equipment (Topcon GPT, Leica GPS, Total Station, etc.), calculations, information collection, and any & all work required to execute the survey and obtain the information needed. Mr. Patin has worked on projects for various public & private clients, and has performed field work under the direction of the Corps of Engineers.

Town Center Water Well, City of Slidell, LA. BFM's surveying scope included topographic and boundary surveying services for the project. (\$16,533 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

11 years (joined BFM in 2011); 31 years total (1992)

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Mr. Watson has experience as a draftsman/CADD technician, having started his career as an intern with the Surveying Department of the City of Plano, TX. 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.


Lower Lafitte Waterline Stakeout, Jefferson Parish, LA. BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes). (\$10,380 (fee); 2016)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

East Bank Water Treatment Plant Improvements, 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 in Jefferson Parish. (\$24,465 (fee); 2016)

Evans Road Waterline Repair – Mississippi River Levee Cross Section, Jefferson Parish, LA. BFM provided cross section surveying services for the Evans Road Levee profiles as requested by the Parish in order to obtain USACE permitting. The cross section view showed the existing levee cross section, the design levee cross section, and the proposed excavation sites. (\$4,485 (fee); 2012)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Shaun Clements CADD Technician</p>
Project Assignment:
<p>CADD Technician</p>
Name of Firm with which associated:

Years experience with this Firm:
<p>4 years (joined BFM in 2018); 7 years total (2015)</p>
Education: Degree(s)/Year/Specialization:
<p>Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)</p>
Active registration: Year first registered/discipline:
<p>NA</p>
Other experience and qualifications relevant to the proposed Project:
<p>North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. BFM's project services included both boundary and topographic surveying of the project site. (\$6,870 (fee); 2019)</p> <p>Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA. BFM's surveying scope involved topographic and boundary surveying services. (\$8,790 (fee); 2019)</p> <p>Holly Drive Drainage Project, Lewisburg Estates Subdivision, Mandeville, St. Tammany Parish, LA. BFM provided boundary with topographic surveying of the project site (multiple lots) in the Lewisburg Estates Subdivision for this drainage project. (\$13,392 (fee); 2019)</p> <p>Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street. (\$12,855 (fee); 2019)</p> <p>West Bank Bus Stop Improvements, Jefferson Parish, LA. BFM's surveying services involved topographic surveying (25 ft grid) for multiple bus stop locations (AV26, AV27, AV3 (6 sites), AV40, AV42, AV43, AV44, AV45, AV47, AV65, AV74, AV76, HL67, MR44, MR52). (\$26,622 (fee); 2019)</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 37 years total (1985)

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Mr. Roberts has experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He obtained his A.D. in Drafting in 1999, and has taken additional coursework throughout his career.

Town Center Water Well, City of Slidell, LA. BFM's surveying scope included topographic and boundary surveying services for the project. (\$16,533 (fee); 2019)

Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA. BFM provided extensive surveying services for a topographic survey and right-of-way (ROW) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases included hydrographic topography of the project area, the right-of-way determination, and subsurface utility engineering (SUE). A Route Topographic Survey was also included as part of the scope. (\$575,738 (fee); 2019)

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. Cross sections were taken on a 25 ft grid within limits. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

13 years (joined BFM in 2009); 25 years total (1997)

Education: Degree(s)/Year/Specialization:

A.D., 1999, Computer-Aided Drafting, Southeast College of Technology
Certificate, 2003, Introduction to ArcGIS, Louisiana State University

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

East Bank Water Treatment Plant Improvements, Jefferson Parish, LA. BFM executed a boundary survey, utilizing Laser Scan P3, for an As-Built Utilities survey. This included draft surveying (in conjunction with the Prime Firm) as well as provision of final survey as directed. In a later phase, BFM provided topographic and boundary surveying services. (\$154,770 (fee); 2017)

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)

Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA. BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle. (\$133,444 (fee); 2014)

Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, LA. BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project. (\$27,825 (fee); 2011)

Hydrological Survey of the East Bank Water Treatment Plant Intake Basin, Jefferson Parish, LA. BFM provided hydrological surveying services for the project. (\$4,975 (fee); 2010)

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

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
River Road Water Line Replacement, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E., 504-468-7515 fliang@deii.net		As directed by the Project Engineer, BFM provided topographic surveying services for the project, which extended from Rivet Boulevard to Willswood Drive. This project was part of the Louisiana Department of Health and Hospitals (LDHH) Clean Drinking Water loan program.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2015 June		N/A	\$84,700 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
East Bank Water Treatment Plant Project – Water and Utility Line Survey, Jefferson Parish, Louisiana Stantec Consulting Services, Inc. 1340 Poydras Street, Suite 1420 New Orleans LA 70112 Jeffrey Sapia, P.E., 225-926-3991 jeffrey.sapia@stantec.com	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 October	N/A	\$19,703 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
River Road Water Line, Waggaman, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E., 504-468-7515 fliang@deii.net	As requested by the Project Engineer, BFM provided water line location & general surveying services for the project, which extended from the St. Charles Parish line to Rivet Boulevard in Waggaman.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012 November	N/A	\$43,211 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Belle Chasse Water Plant Intake, Belle Chasse, Jefferson Parish, Louisiana Kyle Associates, LLC 638 Village Lane North Mandeville LA 70471 Phil O. Nelson, P.E., 985-727-9377 pnelson@kyleassociates.net	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	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016 July	N/A	\$14,804 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Central Avenue Project (including location of Municipal Water Line), Metairie, Jefferson Parish, Louisiana Principal Engineering 1011 N Causeway Blvd Suite 19 Mandeville LA 70471 Tyler Gaspard, E.I., 985-624-5001 tyler@principal-engineering.com	BFM provided topographic surveying services for the Central Avenue project, which extended from Airline Highway to Karen Drive. This included location of utilities, notably the municipal water line.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014 February	N/A	\$14,580 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
East Jefferson Water Works – River Road, Jefferson Parish, Louisiana Stantec 1340 Poydras Street, Suite 1420 New Orleans LA 70112 John Catalanotto, P.E., 504-234-1556 john.a.catalanotto@stantec.com	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 June	N/A	\$2,070 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lower Lafitte Waterline Project, Jefferson Parish, Louisiana CB&I 2424 Edenborn Avenue Suite 450 Metairie LA 70001 Gene S. Gillen, P.E., 504-832-4881 gene.gillen@cbi.com	BFM provided stakeout surveying for the project, staking the water line every 50 feet (with 4 ft. wooden stakes).	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017 January	N/A	\$10,380 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, Louisiana Jefferson Parish Water Department 1221 Elmwood Park Blvd Ste 909 Jefferson LA 70123 R. Douglas Vincent, P.E., 504-838-4363 JPWater@jeffparish.net	BFM provided surveying services to locate the water line situated between valve stations 18 and 24 in Grand Isle.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014 August	N/A	\$133,444 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Waterline Location, Lower Lafitte Shoreline Stabilization, Jefferson Parish, Louisiana Shaw Coastal Post Office Box 98519 Baton Rouge LA 70884 Gene Gillen, P.E., 225-932-2500	BFM provided surveying services associated with the location of a 16 in plastic waterline in the Barataria Waterway as part of the Lower Lafitte Shoreline Stabilization project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2011 August	N/A	\$27,825 (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.	BFM Corporation is not currently, nor has it previously been involved, in 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.

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, has provided services to public & private concerns throughout Louisiana and the Gulf South. The firm provides surveying services covering all facets of engineering, construction, and forensics; topographic, hydrographic, and high definition laser scanning.

BFM 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 and LiDAR**
- **Bathymetric / Hydrographic Surveys**
- **Property, Boundary, and Right-of-Way Surveys**

TEC Professional Services Questionnaire

N. continued.

- **Maps, Cross-Sections, and Data Sets**
- **3D Laser Scanning**
- **Benchmarks**
- **Construction-Related Surveying**
- **Builder's Package Surveys**
- **American Land Title Association (ALTA) Surveys**

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

Our **Survey Field Crews** are equipped with Leica 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 in that time (with a flight ceiling of 165 feet, pixel quality is 0.71 CM). This allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

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

Please refer to the projects presented in Item L of this form as well as our personnel bios for an overview of relevant project work executed by BFM Corporation.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 2 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

BFM Corporation has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. It is our continual 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**, 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.

BFM's **Chad M. Poché, P.E.** 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 throughout his career.

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 3 • LOCATION OF 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.

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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 5 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For nearly 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 Department (504-736-6783 | JPPW@jeffparish.net)

TEC Professional Services Questionnaire

N. continued.

- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Jefferson Parish Sewerage Capital Improvement Program (504-736-6386 | STrouard@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **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.

CRITERIA 6 • 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**.

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

BFM 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 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 nearly 40 years with BFM. He has provided professional surveying services for **thousands of projects for and throughout Jefferson Parish**. Additional information beyond the scope of this RFQ response is available upon request.

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: _____

March 14, 2022

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	09/30/2023	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329 - 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	Expiration Date
PLS.0004329	09/30/2022

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	09/30/2022

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	03/31/2023

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 9/28/2021 to 9/28/2022 .

Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

4. GULF SOUTH ENGINEERING AND TESTING, INC. (Subconsultant: Geotechnical Engineering)

TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Water Projects

SOQ 22-013 | Resolution No. 138809

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard

Kenner LA 70062

C. Name, title, & 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., Principal/Vice President

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

D. Name, title, & 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., Principal/Vice President

telephone 504-305-4401 • cpoche@gulfsoutheng.com

Registered Professional Civil Engineer, Louisiana No. 27667 (1998)

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

6	Administrative	-	Estimators	-	Specification Writers
-	Architects (Licensed)	-	Geologists	-	Structural Engineers
-	Chemical Engineers	2	Geotechnical Engineers	1	Graduate Engineers
-	Civil Engineers	-	Interior Designers	-	Project Managers
10	Construction Inspectors	-	Landscape Architects	-	Clerical (<i>see Administrative</i>)
-	Ecologists	-	Land Surveyor (<i>*see PLS</i>)	-	Grant/Funding Specialist
-	Electrical Engineers	-	Mechanical Engineers	-	Sanitary Engineers
-	Engineer Intern	-	Environmental Engineers	1	Construction Managers
1	Professional Land Surveyors			1	Laboratory Managers

*employee count also include two CMT Supervisors, 1 Senior Engineering Technician, 1 Field Engineer, 3 Laboratory Technicians, 1 Soil Boring Driller, and one Soil Boring Driller Apprentice

32* 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 a 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 <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 & Address:	Specialty:	Worked with Prime 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 this Project: <u>32</u> (all personnel will be available to the project; individuals to be assigned)		

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 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.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years experience with this Firm:

11 years with this firm (2011); 29 years total (1993)

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:

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for more than 20 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 expert witness testimony. 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 relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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 general 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 Intercoastal 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. (\$17,300 (fee); 2020)

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. Scope includes drilling undisturbed soil borings, lab 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)


Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)

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)

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)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$35,000 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Blake E. Vutera, P.E. Engineering Manager
Project Assignment:
Geotechnical Engineer
Name of Firm with which associated:
<div style="display: flex; align-items: center; justify-content: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div>
Years experience with this Firm:
10 years with this firm (2012); 16 years total (2006)
Education: Degree(s)/Year/Specialization:
M.S., 2018, Civil Engineering, University of New Orleans Certification - Coastal Engineering, 2018, University of New Orleans B.S., 2008, Civil Engineering, Louisiana State University
Active registration: Year first registered/discipline:
2013, Civil Engineer, Louisiana, No. 38607 2018, Professional Engineer, Texas No. 129410
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.</p> <p>Mr. Vutera's field work consists of borehole logging; 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); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.</p> <p>Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)</p>

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Blake E. Vutera, P.E. (continued)

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 Intercoastal 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. (\$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)


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)

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal (approx. 1,700 lf). Scope included drilling three undisturbed soil borings to depths of 50 ft. bgs, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. (\$10,000 (fee); 2020)

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)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$35,000 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. “Trey” Binder, III Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. <small>Geotechnical & Materials Consultants</small> </div> </div>	
Years experience with this Firm:	
11 years with this firm (2011); 16 years total (2006)	
Education: Degree(s)/Year/Specialization:	
A.D., 2011, General Studies, Nunez Community College	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder has HAZMAT Awareness and Operations Training.</p> <p>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.</p> <p>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)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

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 Intercoastal 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. (\$17,300 (fee); 2020)

NASA Michoud Assembly Facility – Soil Borings and CPT Probes, Michoud, Orleans Parish, LA. Gulf South executed a Soil Boring & Cone Penetration Test (CPT) Sounding investigation for environmental wells at NASA Michoud Assembly Facility (MAF) in Orleans Parish, LA. Scope includes drilling undisturbed soil borings (three at 24 ft.) and CPT Probes (five), lab testing, and results summary include soil boring logs, CPT logs, and lab test results. (\$19,000 (fee); 2019)

Entergy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)


Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA. Geotechnical engineering analysis for a canal bank along Wayne Ave. at West Bank Expressway intersection in Bridge City, LA. Gulf South's scope includes geotechnical engineering analysis consisting of slope stability analysis, sheetpile design recommendations, and general construction recommendations. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise for ongoing stability issues along the canal bank. (\$5,000 (fee); 2015)

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)

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)

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Sara E. Lockwood, E.I. Graduate Geotechnical Engineer</p>	
Project Assignment:	
Graduate Geotechnical Engineer/Engineering Intern	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
3 years with this firm (2019); 5 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<p>B.S., 2019, Civil Engineering, University of New Orleans B.S., 2016, Physics, Loyola University</p>	
Active registration: Year first registered/discipline:	
2020, Engineering Intern, Louisiana, No. EI.0034718	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Ms. Lockwood recently joined Gulf South Engineering and Testing and is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.</p> <p>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. 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)</p> <p>Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> Society of Women Engineers American Society of Civil Engineers </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$35,000 (fee); 2020)

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal (approx. 1,700 lf). Scope included drilling three undisturbed soil borings to depths of 50 ft. bgs, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations. (\$10,000 (fee); 2020)

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)


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)

Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, LA. Geotechnical engineering services for the potential solution (i.e. retaining wall, etc.) for the surface movement at the top slope of Verrett Canal located at 89 Natchez Trace in Harvey, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 60 ft. bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$5,000 (fee); 2020)

Airline Highway Backwater Protection Project, St. John the Baptist Parish, LA. Geotechnical engineering services for the construction of floodgates and a pump station at three sites (Blind River/Bayou Trainnasse/M2 Canal). Each site will have a floodgate, and a pump station will be installed in addition to the floodgate at Blind River in St. John Parish, LA. Gulf South's scope includes drilling eight undisturbed soil borings (six at 80 ft bgs, two at 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$55,000 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Christopher Boutwell Construction Materials Testing (CMT) Supervisor</p>	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
10 years with this firm (2012); 13 years total (2009)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Boutwell serves as a CMT Supervisor in Gulf South's Kenner, LA office. As a CMT Supervisor, Mr. Boutwell is responsible for scheduling technicians, technical training, resolving technical and personnel issues, equipment maintenance, preparing proposals, reviewing reports, and client interaction. Mr. Boutwell's construction monitoring experience includes nuclear density testing, concrete testing and inspection, asphalt inspection, earthwork testing and inspection, driven pile inspection, vibration monitoring, augercast pile inspection, and drilled shaft inspection. Mr. Boutwell is proficient in the following laboratory tests: soil and concrete compressive strength, moisture content, grain size sieve, organic content, Proctor compaction, lime/soil and soil/cement % determinations, density tests, and Atterberg limits.</p> <p>Mr. Boutwell has logged soil borings, performed pile load tests, floor flatness testing, anchor bolt pull out tests, obtained and secured samples from soil borings and borrow pits, and completed hand augers. Mr. Boutwell routinely operates Gulf South's pavement coring machines.</p> <p>Enterigy Water Sampling (Old Gentilly Road Site), New Orleans, LA. Gulf South sampled water from existing pipes and water source to building to determine if any contaminants were found. Water quality was tested for copper, lead, chlorine and total organic carbon. In addition to water sampling, mold inspection was performed. (\$1,000 (fee); 2018)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> ACI Concrete Field Testing – Grade I APNGA Nuclear Moisture/Density Gauge Training OSHA Safety Training – 8 hr. </div> </div>	

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Christopher Boutwell (continued)

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)

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)

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)


Citrus Road and Greg Court Subsurface Drainage Improvements, 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. (\$20,000 (fee); 2019)

Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, 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. (\$10,000 (fee); 2019)


Parish Line Drainage Pump Station Improvements – Phase I, City of Kenner, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of a new pump station in Jefferson Parish, Louisiana. Scope of services consisted of vibration monitoring, timber pile inspection at the site and during installation, performance of a pile load test, earthwork, and concrete testing & inspection. (\$10,000 (fee); 2018)

Westgate Drainage Improvements, Metairie, Jefferson Parish, LA. Gulf South performed field and laboratory testing during construction of various drainage improvements. Scope included earthwork testing & inspection and concrete testing & inspection. (\$8,000 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<div style="display: flex; flex-direction: column; align-items: flex-start;"> <div style="margin-bottom: 10px;">Ross L. White</div> <div>Soil Boring Driller</div> </div>	
Project Assignment:	
Soil Boring Driller	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years experience with this Firm:	
4 years with this firm (2018); 13 years total (2009)	
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. White is a soil boring driller with over a decade of experience as a soil boring driller and driller's helper, and has operated truck, track, and ATV mounted drilling rigs. In addition, he has performed soil borings over water on a barge and using barge drilling equipment. Mr. White is very familiar with the soils of Louisiana and Southeast Texas.</p> </div> <div style="flex: 1; border: 1px solid black; padding: 10px; margin-left: 10px;"> <ul style="list-style-type: none"> ISTC basic, Entergy PowerSafe CDL A Class Driver's License (exp 11/2024) </div> </div> <p>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)</p> <p>Lift Station F-13-6 Replacement, Marrero, Jefferson Parish, LA. Geotechnical investigation for construction of a new lift station replacing an existing one off Ehret Road and Broas Street in Marrero, LA. Scope includes drilling a single 80 ft. undisturbed soil boring, lab testing, and engineering analyses including below grade foundation recommendations, allowable pile load capacities, estimates of settlement, bedding and backfill recommendations, and general construction procedures and recommendations. (\$7,900 (fee); 2019)</p>	

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Wyatt M. Jones Field Supervisor; Drilling and Engineering Technician</p>	
Project Assignment:	
Field Supervisor; Drilling and Engineering Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> <p>ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants</p> </div> </div>	
Years experience with this Firm:	
2 year with this firm (2020); 5 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>Construction Management, Delgado College (ongoing)</i>	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<div style="display: flex;"> <div style="flex: 1;"> <p>Mr. Jones serves as a Field Engineer with Gulf South Engineering and Testing, providing drilling and engineering support services on a variety of projects. His experience includes soil boring logging, field and site reconnaissance, and soil & concrete material testing. Mr. Jones' project responsibilities have included overseeing drilling operations, planning, and coordination of field tasks. He has served as a client liaison, assembled boring layout plans, and supervised drill crews onsite while classifying testable soil samples. In previous positions, Mr. Jones performed all duties of a CCRL accredited lab, including monitoring and coordinating calibrations for all lab and field equipment, performing various tests on concrete and soil specimens, recording and organizing test results. As a CCTV operator, he piloted a robotic operations system underground shooting video of sewer and utility lines; this included using sonar and GPS coordinates to pinpoint utility locations.</p> <p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$35,000 (fee); 2020)</p> <p>Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA. Gulf South performed construction materials testing and inspection. Services included soil density tests, earthwork inspection and testing, backfill compaction testing, and concrete testing. (\$8,000 (fee); 2021)</p> </div> <div style="flex: 0.5; border: 1px solid black; padding: 5px; margin-left: 10px;"> <ul style="list-style-type: none"> Entergy PowerSafe OSHA Safety Training – 8 hr. </div> </div>	

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:	
Central Avenue Water Main Upgrade, Phase I (Central Ave. Between Airline Hwy. & Karen Ave.), Jefferson Parish, Louisiana Jefferson Parish c/o Principal Engineering, Inc. 1011 North Causeway Blvd, Suite 19 Mandeville LA 70471 Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com		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.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2014 March		N/A	\$5,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:		Nature of Firm's Responsibility:	
Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana Ardurra Group, Inc. 3012 26th Street Metairie LA 70002 Joe Becker, P.E., 504-454-3866 jbecker@ardurra.com		Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.	
Completion Date (Actual or estimated):		Estimated Cost:	
		Entire Project:	Work for which Firm was Responsible:
2021 January		N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Raw Water Intake (RWI) Structure Rehabilitation , Plaquemine, Iberville Parish, Louisiana Pan American Engineers 1717 Jackson Street Alexandria LA 71301 Marcus J. Guillory, P.E. , 318-473-2100 marcus@paealex.com	Geotechnical engineering services for the construction of a replacement water pipeline and intake structure within the Intercoastal 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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 January	N/A	\$17,300 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Bayou Sauvage Water Control Pipe Replacement , U.S. Wildlife & Fisheries, New Orleans, Louisiana Johnson McAdams 340 Poplar View Lane East, Suite 4 Collierville TN 38017 Chip Johnson, P.E. , 901-861-4200 chipjohnson@bellsouth.net	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012 July	N/A	\$3,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Water Well (Town Center Parkway & I-10 Crossings), City of Slidell, Louisiana City of Slidell Engineering Department Post Office Box 828 Slidell LA 70459 Blaine Clancy, P.E., 985-646-6124 bclancy@cityofslidell.org	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 December	N/A	\$9,900 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana ECM Consultants, Inc. 1201 Clearview Parkway Suite 200 Metairie LA 70001 Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com	Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing levee to the protected side.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021 September	N/A	\$35,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471 André C. Monnot, P.E., 985-624-5001 andre@pi.aec.com	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 (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability 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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 May	N/A	\$7,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, Louisiana Richard C. Lambert Consultants, LLC 900 West Causeway Approach Mandeville LA 70471 Franz J. Zemmer, 985-727-4449 fzemmer@rclconsultants.com	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020 March	N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
Drainage Infrastructure Improvements, South Avondale Subdivision , Avondale, Jefferson Parish, Louisiana Jefferson Parish c/o Phoenix Global Construction 2901 Independence St Ste 103 Metairie LA 70006 Jack Lo , 504-883-9021 phoenixglobal@bellsouth.net	Geotechnical investigation for drainage improvements on S. Jamie Boulevard in Avondale, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet, lab testing, and engineering analyses including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction procedures and recommendations.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018 January	N/A	\$7,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
St. Bernard Water Treatment Plant (WTP) New Pump Station Cofferdam , Chalmette, St. Bernard Parish, Louisiana St. Bernard Parish c/o Principal Engineering, Inc. 1011 N Causeway Boulevard, Ste 19 Mandeville LA 70471 Andre Monnot, P.E. , 985-624-5001 andre@principal-engineering.com	Geotechnical engineering analyses for a cofferdam for a new pump station within St. Bernard WTP in Chalmette, LA. Cofferdam approximately 20 feet deep, 48.5 ft by 40.5 ft. Engineering analyses consisted of sheetpile wall parameters (tip depth, moment) where minimal bracing is utilized.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2012	N/A	\$3,500 (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. N/A		
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 RELATED 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 over two 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 & Regional Transit Authority-recognized small business in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., a founding principal and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi, has specific and extensive training & experience in geotechnical engineering. He has three decades of experience in planning, administering, and conducting geotechnical investigations.

The firm has specific engineering experience and training in Geotechnical Engineering, Foundation Design, and Geology & Geohydrology; our staff has extensive experience in all aspects of soil mechanics and geotechnical engineering with specific knowledge in the following areas:

- *Shallow and deep foundations (piles, shafts, augercast, screw/anchor piles)*
- *Deep excavations, cofferdams, retaining walls*
- *Levees and soft ground construction; slope stability & seepage*
- *Earthwork; settlement analyses*
- *Shoreline protection*
- *Scour analyses*
- *LRFD Design*
- *Mechanically Stabilized Earth (MSE) Walls*
- *Development of load test programs*
- *Geotechnical instrumentation and construction monitoring*
- *Canals and pump station foundations*
- *Pipe bedding and backfill*
- *Roadways, bridges, pavements*

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.

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 and inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided by the Gulf South team includes:

- *Fill and base compaction and density testing*
- *Vibration monitoring*
- *Pre- and post-construction inspection*
- *Concrete testing and inspection*

TEC Professional Services Questionnaire

N. continued.

- 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

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 New Terminal** project.

CRITERIA 2 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

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 Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana for since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

Gulf South's Engineering Manager, Blake E. Vutera, P.E., has over 14 years experience in geotechnical investigations and has provided engineering analysis, laboratory testing, construction materials testing and inspection. He has been the geotechnical engineer of record for hundreds of projects throughout his career

As evidenced in the provided projects & personnel résumés, key personnel past 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 are able to submit data in formats acceptable and customized to our clients' needs.

Further, Gulf South continues to expand its staff and mentor the next generation of geotechnical engineers and professionals. One of our newest employees, Sara E. Lockwood, is a recent UNO Civil Engineering graduate who is working with our seasoned professionals in the challenging field of geotechnical engineering in the State of Louisiana. She has already gained extensive experience working on projects since joining the firm in 2019 and will continue to expand her knowledge and skill set working with our firm.

CRITERIA 3 • LOCATION OF PRINCIPAL OFFICE

Gulf South is **located in Jefferson Parish at 15 Veterans Memorial Boulevard** in Kenner, Louisiana.

CRITERIA 4 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

See *Item M*; Gulf South has not been involved in litigation with Jefferson Parish.

CRITERIA 5 • 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. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).**

Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

TEC Professional Services Questionnaire

N. continued.

Joey Tureau, Director of Transportation, Ascension Parish
(225-450-1013 | jtureau@apgov.us)

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 Department
(504-736-6783 | JPPW@jeffparish.net)

Tom Schreiner, Deputy CAO, Public Works & Capital Projects, City of Kenner
(504-468-7515 | tschreiner@kenner.la.us)

Angela DeSoto, P.E., Director of Engineering, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

Sid Trouard, P.E., Program Manager, Sewerage Capital Improvement Program, Jefferson Parish
(504-736-6386 | STrouard@jeffparish.net)

CRITERIA 6 • SIZE OF FIRM

At well over two dozen 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 is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

CRITERIA 7 • 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. This would include, **but not be limited to**, the following:

- *Improvements to Sewer Lift Station No. 48-3, Metairie, Jefferson Parish, LA*
- *New Building and Parking Lot, East Bank Juvenile Services, Jefferson Parish, LA*
- *Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA*
- *N. Sibley Drainage Improvements (N. Sibley at W. Napoleon), Metairie, Jefferson Parish, LA*
- *Sewer Lift Station at Mississippi Avenue & 21st Street, Metairie, Jefferson Parish, LA*
- *Jefferson Parish Fire Department – Garage (River Road), Bridge City, Jefferson Parish, LA*
- *Jefferson Parish Dept. of Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA*
- *New Charter School, Behrman Highway, Terrytown, Jefferson Parish, LA*
- *Jefferson Parish Library Renovations (2350 Metairie Road), Metairie, Jefferson Parish, LA*
- *Clancy-Maggiore Elementary School – New Art and Band Wing, Kenner, Jefferson Parish, LA*
- *Johnny Bright Playground Gymnasium HVAC Installation, Metairie, Jefferson Parish, LA*
- *Kennedy Heights Playground Gymnasium HVAC Renovation, Avondale, Jefferson Parish, LA*
- *Trudeau Drive at Canal No. 5 Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Earhart Expressway (Clearview Parkway to Central Avenue) Lighting Improvements, Jefferson Parish, LA*
- *West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA*
- *Citrus Road and Greg Court Subsurface Drainage Improvements, Jefferson Parish, LA*
- *Improvements to Sewer Lift Station M-11-3 & Force Main, Marrero, Jefferson Parish, LA*
- *Westgate Drainage Improvements, Metairie, Jefferson Parish, LA*
- *Bike Path Soil Borings, Jefferson Highway to Northline Street, Jefferson Parish, LA*
- *Green Acres Road - New Street Lighting, Metairie, Jefferson Parish, LA*
- *New Lift Station (Elmwood Park Blvd. & Citrus Blvd.), Metairie, Jefferson Parish, LA*
- *New Sewer Lift Station (Butler Drive & Grambling Street), Waggaman, Jefferson Parish, LA*
- *Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA*

TEC Professional Services Questionnaire

N. continued.

- Parish Line Drainage Pump Station Improvements - Phase I, City of Kenner, Jefferson Parish, LA
- Public Works West Bank Central Warehouse, Bridge City, Jefferson Parish, LA
- New Sewer Lift Station (Melrose Lane & Walker Road), River Ridge, Jefferson Parish, LA
- Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA
- New Sewer Force Main Installation (Midway & Wildwood to Lift Station E3-1), Jefferson Parish, LA
- St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA
- Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA
- Lift Station Replacement - N. Pierce Avenue & Versailles Street, Metairie, Jefferson Parish, LA
- Marsh Island Restoration Project, Lafreniere Park, Metairie, Jefferson Parish, LA
- Lift Station Replacement - Mississippi Avenue at 21st Street, Metairie, Jefferson Parish, LA
- Kawanee at Olympic Lift Station, Metairie, Jefferson Parish, LA
- Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA
- Submerged Roads Program - Multiple Phases, Metairie, Jefferson Parish, LA
- St. Peter's Ditch (4700 W. Metairie Ave.), Metairie, Jefferson Parish, LA
- Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA
- David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, LA
- Marrero WWTP New Administration Building and Safe Room, Marrero, Jefferson Parish, LA
- New Sewer Lift Station, Mississippi Ave. and Fulton St., Metairie, Jefferson Parish, LA
- Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA
- Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, LA

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.

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

Signature: _____

Print Name: Chad M. Poché, P.E.

Title: Vice President

Date: March 10, 2022

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

Name:

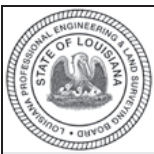
Gulf South Engineering and Testing, Inc.

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	03/31/2023	Mr. Chad Mitchell Poche # PE.0027667 - 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

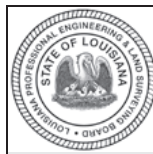
License/Certificate Type - Number

PE.0027667

Expiration Date

09/30/2022

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. Blake Elliot Vutera

License/Certificate Type - Number

PE.0038607

Expiration Date

09/30/2022

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

Ms. Sara Elinor Lockwood

License/Certificate Type - Number

EI.0034718

Expiration Date

03/31/2023

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

09/30/2022

Status: **Active**



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants



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 2/25/2022 to 2/25/2023 .

Certification No. 11011

A handwritten signature in black ink, reading "Stephanie Hartman", is written over a horizontal line.

Stephanie Hartman,
Director, Entrepreneurial Services



GULF SOUTH ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants



July 1, 2021

Cassandra Poche
Gulf South Engineering and Testing Inc
15 Veterans Memorial Blvd
Kenner, LA 70062

Dear Ms. Poche:

We are pleased to inform you that your firm has been certified as a Small Business Enterprise (SBE).

Your firm remains certified in the SBE Program until there are any changes to your company or to your personal net worth that exceed the SBE eligibility criteria. Please note that you must notify our office immediately regarding any changes which affect the economic disadvantage, size, ownership or control of your firm.

In order to maintain eligibility, you are required to submit an annual affidavit stating that your firm continues to meet the eligibility requirements of the program. If you are both DBE and SBE certified, you will receive a Disadvantaged Business Enterprise Annual Affidavit approximately 4 weeks prior to your DBE Certification anniversary date. The annual affidavit for the DBE program will automatically apply to your SBE certification. If you are SBE certified only, you will receive a Small Business Enterprise Annual Affidavit approximately 4 weeks prior to your SBE Certification anniversary date.

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

If we can be of further assistance, please contact the Office of Small Business Development at (504) 827-8301.

Sincerely,

A handwritten signature in blue ink, appearing to read "Adonis C. Expose", is written over a light blue circular stamp.

Adonis C. Expose
DBE/SBE Liaison Officer III





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 08/17/2021 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



**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:**

02 JUN 2020 AT 18:10 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 06/02/2022

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON
OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

SOILS

Soils - D 698 - Req - Compaction Characteristics by Standard Effort
Soils - D 1140 - Req - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
Soils - D 2216 - Req - Water Content
Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

5. 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:

B. Firm Name & Address:

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

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

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

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

* All of our Engineers are Specification Writers

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

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

TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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

____ 19 ____

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

--

Project Assignment:

--

Name of Firm with which associated:

--

Years' experience with this Firm:

--

Education: Degree(s)/Year/Specialization:

--

Active registration: Year first registered/discipline:

--

Other experience and qualifications relevant to the proposed Project:

--

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

Plaquemines Parish - Port Sulphur Water Treatment Plant Damage Assessment

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.

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.

As part of OSP-05, Paul designed and specified electrical, communication, instrumentation and control systems associated with the construction of a new 600 CFS drainage pumping station and the storm proofing of existing Drainage Pumping Station 5. New pumping station consisted of two, 1500 HP electric motor-driven drainage pumps and associated equipment. Electrical design for the new pumping station included a 4 MW stand by generator for full station back up, a 400KW standby generator for house power, medium voltage switchgear and distribution, power factor correction capacitors for drainage pump motors, reactive starting of pump motors with 80% tap. Control system design for the new station included switchgear based start/stop control of pump motors, controls of fans and dampers with associated interlocks for building ventilation and with provisions for key-switch overrides, remote control consoles for motor, generator and switchgear power monitoring and control, and a "bubbler" type level monitoring and pump automation system. All electrical equipment for the new station was located above the design flood elevation and all exterior equipment was specified to withstand hurricane winds.

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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 3/11/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Paul Schurb Vlosich
2120 Colombo Drive
Harvey, Louisiana 700583045

	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	03/31/2024	
Status: Active		

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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).

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.

TEC Professional Services Questionnaire

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

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

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 3/11/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Eugene Fallis Higbee III		
License/Certificate Type - Number	Expiration Date	
PE.0026162	09/30/2022	
Status: Active		

Fold Here →

Cut Here ←

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).

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.

TEC Professional Services Questionnaire

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

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

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

Richard handled all 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

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

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.

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 backed up by generator power. The electrical design included lighting, power, fire alarm and data communications.

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

Richard handled all 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

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

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 3/11/2022 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	09/30/2022	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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TEC Professional Services Questionnaire

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

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

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 airport's 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 Stations 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 included installation of 30,000-gallon aboveground fuel tanks, 3,000-gallon day tanks and associated piping, pumps and controls for the diesel fuel oil supply to the generators.

Jefferson Parish Elmwood Drainage Pump Station

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

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.

TEC Professional Services Questionnaire

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

PROJECT NO. 1

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

PROJECT NO. 2

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

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

IMC Consulting Engineers, Inc. has enjoyed the opportunity to provide professional services for projects within Jefferson Parish since being established in 1988. IMC has provided extensive electrical and mechanical work for Jefferson Parish working both as 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: 3-14-2022

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 – WATER

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 four Electrical Designers:

- Daniel Walker (30+ years of experience)
- Garret Fried (5+ years of experience)
- Brant Hoover, EIT
- Zach Ferger

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

- Joseph Garon, P.E. (5+ years of experience)
- Matthew Garon, P.E. (5+ years of experience)
- Russell Troncoso (3+ 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 and inspection of projects under construction on a regular basis.

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

While we hope that our responses demonstrate IMC's experience in the design of electrical and mechanical systems for water-related projects, as well as our experience providing professional services to Jefferson Parish, we look forward to additional opportunities to demonstrate our competency designing systems for municipal water treatment and distribution facilities for Jefferson Parish as well.

2. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

IMC is presently utilizing AutoCAD & Revit drafting software and a 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.

6. SIZE OF FIRM

IMC is a 19-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.