

**ORIGINAL**

# Statement of Interest & Qualifications

## Routine Engineering Services for Drainage Projects in Jefferson Parish Resolution No. 144202

Presented To:



June 21, 2024

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*(Subconsultant: Geotechnical Engineering)*

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# 1. N-Y TEAM INTRODUCTION

## Cover Letter and Project Organization Chart



Reply to Metairie Office

June 21, 2024

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

PRESIDENT  
SENIOR VICE PRESIDENT  
VICE PRESIDENT  
VICE PRESIDENT  
VICE PRESIDENT  
VICE PRESIDENT  
CHAIRMAN, FOUNDER

ESTABLISHED 1969

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

**Re: Routine Engineering Services for Drainage Projects in Jefferson Parish  
Resolution No. 144202**

Ladies and Gentlemen:

N-Y Associates, Inc. (N-Y) is pleased to submit our statement of qualifications to provide Routine Engineering Services for Drainage Projects in Jefferson Parish.

**BACKGROUND:**

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

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

**TEAM:**

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

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



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

- 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.

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

**CONCLUSION:**

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

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

Sincerely,

**N-Y ASSOCIATES, INC.**

A handwritten signature in blue ink, appearing to read 'Michael F. Nicoladis', is written over the printed name.

**Michael F. Nicoladis**  
**President**

N-Y TEAM ORGANIZATION CHART



Routine Engineering Services for Drainage Projects  
Jefferson Parish, LA  
Resolution No. 144202

**Principal / Project Oversight**  
*N-Y Associates, Inc.*  
Frank Nicoladis, PE

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

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

**Civil, Hydraulic & Structural Engineering  
(canals, culverts, subsurface & pumping)**  
*N-Y Associates, Inc.*  
Constantine Nicoladis, PE  
Fred Mortali, PE  
James Simmons, PE  
Neil Logan, PE  
William Haensel, PE, PLS  
Patricia Claverie, EI, MS  
Dennis Voss, NICET

**Mechanical & Electrical Engineering**  
*IMC Consulting Engineers, Inc.*  
Richard Nichols, PE  
Paul Vlosich, PE  
Eugene "Chip" Higbee, PE  
Matt Wender, PE

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

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

## 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 Drainage Projects  
 Resolution No. 144202

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

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

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

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

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

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

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

|    |   |                                     |                                      |
|----|---|-------------------------------------|--------------------------------------|
| G. | If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.  |                                     |                                      |
|    | N/A   |                                     |                                      |
| H. | Has this JOINT-VENTURE previously worked together? Please check:<br><br>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<br>15 Veterans Memorial Boulevard<br>Kenner, LA 70062  | Topographic Surveying               | Yes                                  |
| 2. | Gulf South Engineering and Testing, Inc.<br>15 Veterans Memorial Boulevard<br>Kenner, LA 70062  | Geotechnical Engineering            | Yes                                  |
| 3. | IMC Consulting Engineers, Inc.<br>3120 20th Street<br>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:<br><br><u>14</u>  |                                     |                                      |

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

**PROFESSIONAL IN CHARGE OF PROJECT:**

Name & Title:

**Constantine F. Nicoladis, PE – Senior Vice President**



Project Assignment:

**Project Manager / Senior Civil and Hydraulic Engineer**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**37 Years**

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

**Interior Drainage Experience:**

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

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

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

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

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

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

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

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

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

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

**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.

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

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

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

**Downtown Area Drainage Improvements; Franklinton, LA:** Development of a HEC-RAS hydraulic computer model of a 26 acre area. Design for improvements to the area's subsurface drainage system, which included 30" to 60" diameter reinforced concrete pipe.

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

#### Flood Protection Experience:

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

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

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

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

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

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

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

#### 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](http://www.lapels.com)

**Mr. Constantine Frank Nicoladis**

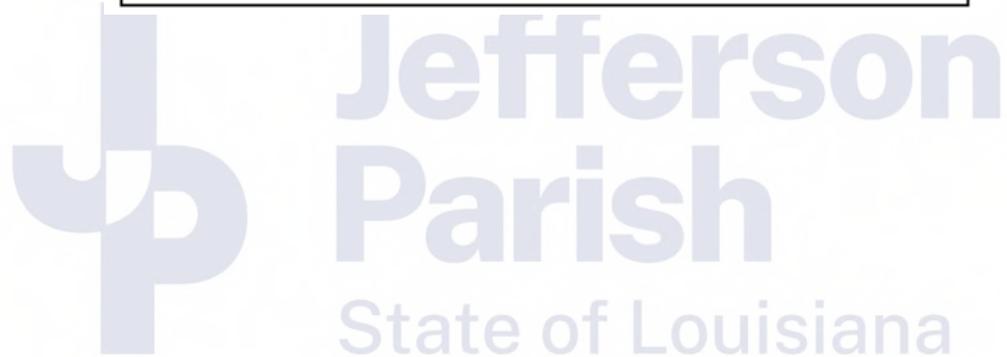
License/Certificate Type - Number

**PE.0027095**

Expiration Date

**09/30/2025**

Status: **Active**



**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Frank Nicoladis, PE - Chairman / Founder**



Project Assignment:

**Principal and Project Oversight / Civil and Hydraulic Engineer**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**55 Years**

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

**Interior Drainage Experience:**

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**Downtown Area Drainage Improvements; Franklinton, LA:** Development of a HEC-RAS hydraulic computer model of a 26 acre area. Design for improvements to the area's subsurface drainage system, which included 30" to 60" diameter reinforced concrete pipe.

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

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

#### Flood Protection Experience:

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

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

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

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

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

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

**WBV-09b Hero Canal Closure Structure (Hero Canal Stop Log Structure); Plaquemines, LA:** A 56' wide, navigable stop log structure; 100' x 1600' by-pass channel; 450 LF of T-wall and 100 LF of earthen levee transition; 70 CFS pump station, a crane platform and a stop log storage platform.

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

#### Memberships & Associations:

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



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LAPELS)

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

Mr. Frank Nicoladis

License/Certificate Type - Number

PE.0005924

Expiration Date

03/31/2025

Status: **Active**



Jefferson  
Parish

State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name &amp; Title:

**Michael F. Nicoladis, EI, MBA - President**

Project Assignment:

**Principal / Project & Subconsultant Management**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**40 Years**

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

**LA (8705)/1982/Engineering Intern**

Other experience and qualifications relevant to the proposed Project:

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

**Interior Drainage Experience:**

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

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

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

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

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

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

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

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

**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.

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

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

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

#### Flood Protection Experience:

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

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

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

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

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

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

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

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

#### Memberships & Associations:

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



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD

(LPELS)

9643 Brookline Avenue, Suite 121

Baton Rouge, LA 70809

Phone (225) 925-6291

[www.lapels.com](http://www.lapels.com)

**Mr. Michael F. Nicoladis**

License/Certificate Type - Number

**EI.0008705**

Expiration Date

**09/30/2025**

Status: **Active**



**Jefferson  
Parish**

State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name &amp; Title:

**James E. Simmons, PE - Vice President**

Project Assignment:

**Senior Civil and Structural Engineer**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**30 Years**

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

**Interior Drainage Experience:****Duncan Canal Improvements at West Esplanade Avenue;**

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

**Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA:**

N-Y prepared preliminary plans for 3 box culverts at Interstate 10, measuring 11' x 20' feet each; 4 box culverts at Veterans Boulevard, measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS and a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.

**Improvements to Drainage Canal No. 3; Jefferson Parish,**

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

**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.



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

**Claiborne Avenue Manifold Canal, from LA Avenue to Jena Street for the Sewerage & Water Board of New Orleans. (SELA Project):**

A single-barrel, 10'h x 24'w concrete box culvert from Jena St. to the west & a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approx. 2000 CFS in the median of S. Claiborne Avenue (US 90).

**LA 1088 Interchange, Route I-12; St. Tammany Parish:**

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

**Flood Protection Experience:****New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA:**

A new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

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

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

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

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

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

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

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

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

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

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

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

#### Memberships & Associations:

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

# LICENSURE/CERTIFICATIONS: JAMES SIMMONS, PE



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

**Mr. James E. Simmons**

License/Certificate Type - Number  
**PE.0019891**

Expiration Date  
**09/30/2025**

Status: **Active**

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**James E Simmons**  
has attended  
**Louisiana Traffic Control Technician**  
Training Course

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

Baton Rouge, LA  
Location

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

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

American Traffic Safety Services Association ATSSA.com

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**James E Simmons**  
has attended  
**Louisiana Traffic Control Supervisor**  
Training Course

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

Baton Rouge, LA  
Location

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

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

American Traffic Safety Services Association ATSSA.com

**National Highway Institute  
Certificate of Training**

**James E. Simmons**  
has participated in  
**NEPA and Transportation Decision Making**  
hosted by  
**LADOTD / LTRC**

Location: Baton Rouge, LA      Hours of instruction: 18

Date: August 31 - September 2, 2004

*William M. Adams*  
Instructor  
Director, National Highway Institute  
Federal Highway Administration

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

**DESTINATION ZERO DEATHS**

This certificate of training is presented to  
**JAMES SIMMONS**  
In Recognition of Attending  
**Highway Safety Manual Workshop**  
Baton Rouge, Louisiana

Elizabeth Wemple, PE      18.0 Professional Development Hours      Nov 30 - Dec 2, 2011  
Eric Tang, PE  
Instructor      Date

**ACEC**  
AMERICAN COUNCIL OF ENGINEERING COMPANIES  
of Mississippi

This Certificate of Participation  
is presented to  
**Jim Simmons**  
for participating in the following sessions at the  
2014 ACEC-MS/NSBA Steel Bridge Forum

*Topics on Steel Girder Design*  
*Constructability and Availability Considerations for Steel Bridges*  
*Virtual Fabrication Shop Tour*  
 *Bolted Splice Design*  
*Effect of skewed Supports on Steel I girder Bridge Behavior*  
*Advanced Fabrication Processes*

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

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

*James Nelson*  
President, ACEC/MS      *Judy Adams*  
Executive Director, ACEC/MS

**Certificate of Attendance**

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

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

TO CERTIFY THAT  
**Jim Simmons**  
HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

*James E. Simmons*  
Director of Local Public      February 24, 2015  
Date  
New Orleans, Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Fred Charles Mortali, PE – Civil Engineer**



Project Assignment:

**Civil and Hydraulic Engineer / H&H Modeler**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**15 Years**

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

**Interior Drainage Experience:**

➤ **With N-Y**

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

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

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

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

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

**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.

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

➤ **With other Firms**

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

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

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

**Storm Water Drainage System; Palm Coast, FL:** Evaluation of the hydraulics of the Palm Coast storm water drainage system.

**Roadway/Canal Culvert & Weir Structure Replacement; Palm Coast, FL:** 6 roadway/canal culverts were replaced with reinforced concrete culverts, including the design of retaining walls and control structures.

**Memberships & Associations:**

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

LICENSURE/CERTIFICATIONS: FRED MORTALI, PE



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

**Mr. Fred Charles Mortali**

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



**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Fred Mortali**  
has attended  
**Louisiana Traffic Control Supervisor Refresher**  
Training Course

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

New Orleans, LA  
Location

*Don H. Clark*  
Vice President of Education and Technical Services

*Shawn Terrell*  
President, CEO

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



*Certificate of Attendance*  
presented to

*Fred Mortali*

for attending the

**Highway Safety Manual Workshop**  
20 Professional Development Hours

*March 8-10, 2016*

Baton Rouge, Louisiana

*Wal B. [Signature]*  
Authorized Instructor



**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name &amp; Title:

**William Haensel, PE, PLS – Senior Civil Engineer**

Project Assignment:

**Senior Civil Engineer**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**3 Years / 53 years with Other Firms**

Education: Degree(s)/Year/Specialization:

**Bachelor of Science / 1968 / Civil Engineering****Master of Science Studies / 1968-1974 / Civil Engineering**

Active registration: Year first registered/discipline:

**LA (13375)/1972/Civil Engineering**

Other experience and qualifications relevant to the proposed Project:

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

**Roadway & Drainage Experience:**➤ **With N-Y**

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

➤ **With Other Firms**

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

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

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

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

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

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

**Memberships & Associations:**

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



LOUISIANA PROFESSIONAL  
ENGINEERING & LAND SURVEYING BOARD  
(LPELS)

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

Mr. William B. Haensel Jr.

License/Certificate Type - Number

PE.0013375

Expiration Date

03/31/2026

Status: **Active**



Jefferson  
Parish

State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name &amp; Title:

**Neil D. Logan, PE – Civil & Structural Engineer**

Project Assignment:

**Senior Civil and Structural Engineer**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**45 Years** (part time since 2003)

Education: Degree(s)/Year/Specialization:

**Bachelor of Science/1961/Purdue University/Civil Engineering**

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

**Flood Protection Experience:**

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

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

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

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

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

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

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

**New 360 CFS Willowdale Storm Drainage Pump Station; St. Charles Parish, LA:** Preliminary and final design, permitting, bidding, construction administration and resident inspection for a new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals. The main canal flowing east along the south boundary of the Willowdale Subdivision is adjacent to the Hurricane Protection Levee maintained by St. Charles Parish.

**Memberships & Associations:**

- American Society of Civil Engineers

LICENSURE/CERTIFICATIONS: NEIL LOGAN, PE



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Mr. Neil D. Logan

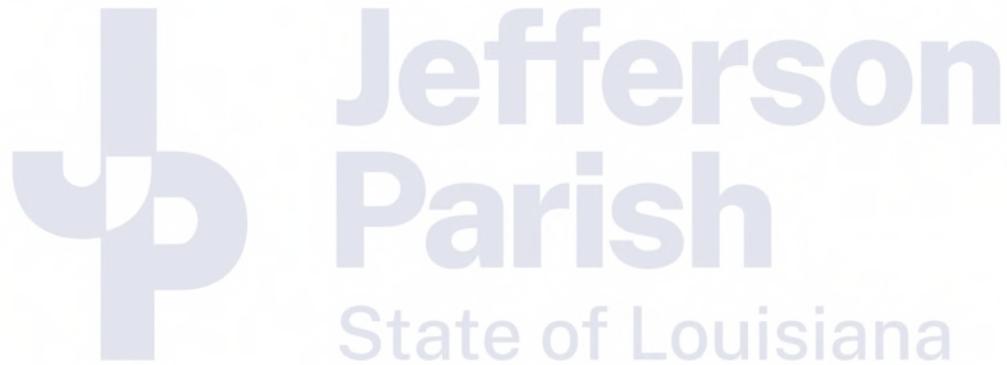
License/Certificate Type - Number

PE.0014607

Expiration Date

03/31/2025

Status: **Active**



**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Patricia R. Claverie, EI, MS**



Project Assignment:

**Hydrology and Hydraulics Engineer / Lead H&H Modeler**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**3 Year / 21 years with Other Firms**

Education: Degree(s)/Year/Specialization:

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

**Master of Science/2003/University of New Orleans/Engineering Management**

Active registration: Year first registered/discipline:

**LA (19340)/2000/Civil EIT**

Other experience and qualifications relevant to the proposed Project:

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

**Roadway & Drainage Experience:**

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

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

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

➤ **With Other Firms**

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

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

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

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

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

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

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

#### Flood Protection Experience:

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

Ms. Claverie worked on the following relevant projects:

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

#### Memberships & Associations:

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



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Ms. Patricia Renee' Claverie

License/Certificate Type - Number

EI.0019340

Expiration Date

09/30/2024

Status: **Active**



Jefferson  
Parish  
State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Dennis G. Voss, NICET, Level IV**



Project Assignment:

**Senior Engineering Technician (Civil)**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**50 Years**

Education: Degree(s)/Year/Specialization:

**Associate Degree/1968/Delgado Junior College/Engineering Technology**

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

**Interior Drainage Experience:**

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

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

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

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

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

**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.

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

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

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

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

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

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

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

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

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

**Downtown Area Drainage Improvements; Franklinton, LA:** Development of a HEC-RAS hydraulic computer model of a 26 acre area. Design and construction administration for improvements to the area's subsurface drainage system, which included 30" to 60" diameter reinforced concrete pipe.

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

#### Flood Protection Experience:

**New Bayou Segnette Drainage Pumping Station; Westwego, LA:** A new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers.

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

**Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA:** Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas.

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

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

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

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

#### Memberships & Associations:

- American Society of Certified Engineering Technicians



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for attending the

**Roundabout Design Workshop  
Level 1**

and for having been awarded 12 Professional Developmental Hours

October 14-15, 2008

Baton Rouge, Louisiana

*Sandra Romero*  
Authorized By

**LTRC**  
Louisiana Transportation Research Center

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Chris LeMay, CADD/GIS**



Project Assignment:

**CADD/GIS Technician**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**4 Year / 20 Years with Other Firms**

Education: Degree(s)/Year/Specialization:

**Associate of Science/Computer-Aided Drafting**

Active registration: Year first registered/discipline:

**N/A**

Other experience and qualifications relevant to the proposed Project:

**Drainage and Flood Control Experience:**

➤ **With N-Y**

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

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

**Roadways and Bridges Experience:**

➤ **With N-Y**

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

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

➤ **With Other Firms**

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

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

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

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

**Other Experience:**

**Hurricane Katrina Roadway Restoration; St. Bernard Parish, LA:** Mr. LeMay coordinated, managed and scheduled the Field Layout Services and Field Drawings from the draft copies to the final CAD drawings. He logged data for records and created spreadsheets. Mr. LeMay assisted in the creation of databases and GIS layers from existing parish data and data collected from field efforts. All GIS layers were built from the ground up since no previous GIS information existed. The layers that were created included sewer, drainage, water, streets and centerlines, buildings, subdivisions, fire zones, landmarks, and zones.

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# Revit 2020 Fundamentals

24 contact hours  
November 19, 20, 23 & 24

Chris LeMay

Seminar Participant

November 24, 2020

Date of Completion



Ken Colgan, Trainer

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State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Noah Jackson, CADD**



Project Assignment:

**Senior CADD Technician**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**6 Years / 19 Years with Other Firms**

Education: Degree(s)/Year/Specialization:

**Associates Degree/1985/Engineering Technology**

Active registration: Year first registered/discipline:

**N/A**

Other experience and qualifications relevant to the proposed Project:

**Drainage and Flood Control Projects:**

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

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

**Roadways and Bridges:**

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

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

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

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

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

**Other Experience:**

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

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# 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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cadtechseminars.com

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State of Louisiana

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Johnny Thompson – Quality Assurance Representative**



Project Assignment:

**Quality Assurance Representative/Resident Inspection**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**7 Years / 45 with other firms**

Education: Degree(s)/Year/Specialization:

**Associates Degree/Mechanical & Electrical Engineering and HVAC Controls**

Active registration: Year first registered/discipline:

**N/A**

Other experience and qualifications relevant to the proposed Project:

**Quality Assurance Experience:**

➤ **With N-Y**

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

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

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

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

**Additional Project Experience:**

➤ **With Other Firms**

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

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

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

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

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

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

Name & Title:

**Stanley J. Mitchell – Quality Assurance Representative**



Project Assignment:

**Quality Assurance Representative/Resident Inspection**

Name of Firm with which associated:

**N-Y Associates, Inc.**

Years' experience with this Firm:

**10 Years / 28 with other firms**

Education: Degree(s)/Year/Specialization:

**Various Technical and Managerial Courses provided by Civil Service**

Active registration: Year first registered/discipline:

**N/A**

Other experience and qualifications relevant to the proposed Project:

**Quality Assurance Experience:**

➤ **With N-Y**

**Lone Star Area Sewer Rehabilitation; St. Charles Parish, LA:**

Sewer rehabilitation of 3316 LF of 8" sewer lines, 7 lateral connections at the main line and 13 manholes. The project consists of gravity sewer lining and point repairs including CIPP lining of main and lateral sewer lines, cleaning of sewer lines and post construction video inspection.

**Tchoupitoulas Corridor Signage and Striping; New Orleans, LA:**

The reinstallation/replacement of deteriorated pavement markings and intersection signage and the replacement of all damaged/missing traffic control signs on Tchoupitoulas Street from Henry Clay Avenue to Melpomene Street.

**New Veterans Administration Medical Center Infrastructure Improvements; New Orleans, LA:**

The complete reconstruction of the street pavement including concrete pavement and curb; crushed stone base course, sidewalks, driveways, handicapped ramps and replacement of subsurface utilities. This \$15 million project included the installation of 200 LF of 8" sewerline and 4500 LF of 24" sewerline, and CIPP lining of 1000 LF of 8" sewer pipe.

**Street and Utility Reconstruction Projects for the City of New Orleans:**

Reconstruction of concrete & asphalt urban streets in the City of New Orleans. Projects also included intersection improvements, and the rehabilitation or replacement of water, sewer, and drainage utilities.

**Cattle Farm Lift Station and Force Main; City of Kenner, LA:**

4300 LF of directionally drilled 14" sewer force main and the relocation of the new cattle farm lift station. The lift station included two 6" submersible pumps and associated controls.

➤ **With Other Firms**

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

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

- Managed and developed three (3) service departments with a staff of 123.
- Responsible for contract work order repairs.
- Managed projects from \$20,000 to millions of dollars in construction value.
- Reported directly to the Chief of Networks.
- Managed inspectors' routes and overtime. Regularly monitored contracts to keep costs down.
- Conducted special analyses and cost comparisons and research reports.
- Developed innovative solutions that reduced repair costs.
- Set up check points within a work order to manage bottlenecks and deadlines.
- Managed the testing of local water and sewer lines.
- Managed construction of line and point repairs and replacement of water and sewer lines.
- Closed work orders and conducted final inspections.
- Managed staff to monitor and inspect job sites.
- Monitored production, distribution, data processing, and final reports.

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

**PROJECT NO. 1**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

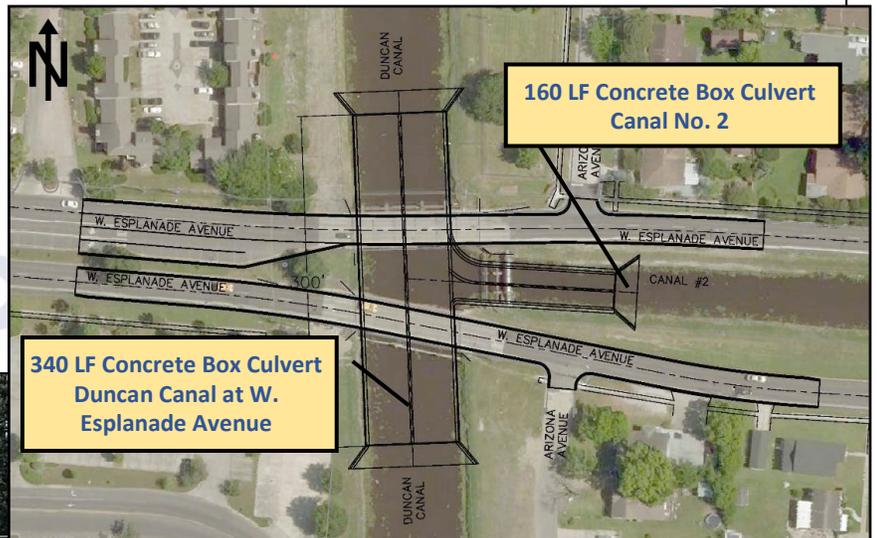
**Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA**

**Owner:**  
 City of Kenner  
 1801 Williams Boulevard  
 Kenner, LA 70062

**Contact:**  
 Jose' Gonzalez, PE  
 Chief Administrative Officer  
 (504) 468-7240

A Hydraulics Study using HEC-RAS and LADOTD Standards, and Preliminary and Final Design of a 38'w x 13'h double barrel, 3000 CFS, 340 LF reinforced concrete box culvert which will replace the existing bridges and improve stormwater flow in the Duncan Canal at its intersection with Canal No. 2 at West Esplanade Avenue. N-Y also designed a 160 LF, 14'w x 8'h double barrel reinforced concrete box culvert in Canal No. 2, which intersects with the Duncan Canal.

The project also includes the reconstruction of approximately 700 LF of eastbound and westbound W. Esplanade Avenue and included a topographic & title survey, geotechnical investigation, traffic engineering, environmental assessment and landscape architecture and beautification/enhancements.



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

**Completion Date (Actual or Estimated):**

**Estimated Cost:**

**Entire Project:**

**Work for which Firm was Responsible:**

2022

\$13 million

100%

**PROJECT NO. 2**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Main Street Drainage Improvements  
Plaquemines Parish, LA**

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

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

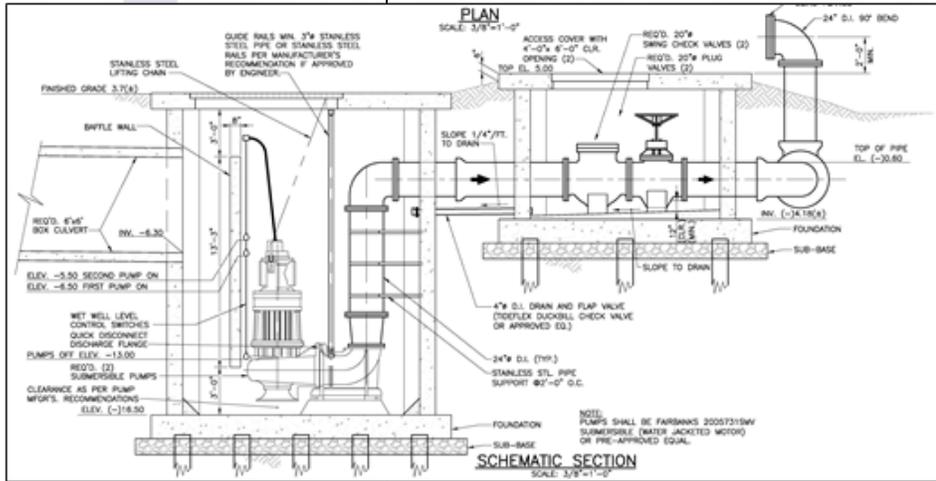
**Contact:  
Mr. Ken Dugas, PE  
Director of Engineering  
(504) 297-5343**

**N-Y Personnel:**

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



**Wet Well & Valve Box for the Pump Station**



**Completion Date  
(Actual or Estimated):**

**Estimated Cost:**

**Entire Project:**

**Work for which Firm was Responsible:**

**2022**

**\$2.5 million**

**100%**

**PROJECT NO. 3**

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

**Improvements to Subsurface Drainage for the Maplewood/Paillet Subdivision**  
**Jefferson Parish, LA**

**CDBG Funded**

**Owner:**  
**Jefferson Parish**  
**1221 Elmwood Park Blvd.**  
**Harahan, LA 70123**

**Contact:**  
**Mark Drewes, PE**  
**Director of Public Works**  
**(504) 736-6783**

- i. Design, bidding, construction administration and resident inspection for **CDBG funded subsurface drainage and street improvements in the Maplewood/Paillet Subdivision** along Gretna Boulevard between Gardere Canal and Redwood Street, Maplewood Street between Gretna Boulevard and 3rd Street, 9th Street between Gardere Canal and Redwood Street, and Dogwood and Redwood Streets between 9th Street and Doliac Street.
- ii. **Drainage Improvements to Paillet Avenue, Estalote Avenue, Esther Street and Brown Avenue (subconsultant)**  
 Design, bidding and construction administration of subsurface drainage and associated pavement repair. N-Y's work included design for the installation of 670 LF of 15" – 36" drain pipes.



**Installed 45"x73" RCPA drainage culvert**

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

| <b>DRAINAGE</b>                             |
|---|
| <b>Reinforced Concrete Pipe (RCP)</b>       |
| 132 LF of 15" RCP                           |
| 18 LF of 18" RCP                            |
| 110 LF of 24" RCP                           |
| 284 LF of 36" RCP                           |
| 552 LF of 48" RCP                           |
| 196 LF of 54" RCP                           |
| <b>Reinforced Concrete Pipe Arch (RCPA)</b> |
| 1016 LF of 26" x 43" RCPA                   |
| 64 LF of 36" x 58" RCPA                     |
| 476 LF of 40" x 65" RCPA                    |
| 68 LF of 43" x 64" RCPA                     |
| 170 LF of 45" x 73" RCPA                    |
| <b>Corrugated Metal Pipe (CMP)</b>          |
| 201 LF of 47" x 61" CMP                     |
| <b>WATER</b>                                |
| 80 LF of 6" waterline                       |
| 600 LF of 8" waterline                      |
| <b>SEWER</b>                                |
| 628 LF of 8" sewerline                      |
| 347 LF of 12" sewerline                     |



**Looking East towards Queens Blvd. ready for concrete replacement**

| Completion Date<br>(Actual or Estimated): | Estimated Cost:  |                                      |
|---|------------------|--------------------------------------|
|   | Entire Project:  | Work for which Firm was Responsible: |
| i. 2011                                   | i. \$3.4 million | 100%                                 |
| ii. 2019                                  | ii. \$190,000    |                                      |

**PROJECT NO. 4**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Improvements to Subsurface Drainage for the Bunche Village Subdivision; Jefferson Parish, LA**

Design, bidding, construction administration and resident inspection for **CDBG funded subsurface drainage and street improvements in the Bunche Village Subdivision** along Meadow Street and Myrtle Street between Ivy Street and Mistletoe Street.

**HUD/CDBG Funded**

**Owner:**  
 Jefferson Parish  
 1221 Elmwood Park Blvd.  
 Harahan, LA 70123

**Contact:**  
 Mark Drewes, PE  
 Director of Public Works  
 (504) 736-6783



**Installation of 42" RCP Culvert on Myrtle St. Outfall between Mistletoe St. & Canal No. 6**

| DRAINAGE                       |
|--------------------------------|
| Reinforced Concrete Pipe (RCP) |
| 280 LF of 15" RCP              |
| 251 LF of 18" RCP              |
| 50 LF of 21" RCP               |
| 825 LF of 24" RCP              |
| 761 LF of 30" RCP              |
| 642 LF of 36" RCP              |
| 178 LF of 42" RCP              |
| WATER                          |
| 326 LF of 8" waterline         |
| SEWER                          |
| 82 LF of 10" sewerline         |

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



**Installation of 36" PVC Pipe across Mistletoe Street on Meadow Street Outfall**

**Completion Date (Actual or Estimated):**

**Estimated Cost:**

**Entire Project:**

**Work for which Firm was Responsible:**

2012

\$2 million

100%

**PROJECT NO. 5**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Improvements to Suburban Drainage Canal, Sections 1, 2, 3, 4, and 5; Metairie, LA**

**SELA Project**

**Owner:**  
Jefferson Parish  
1221 Elmwood Park Blvd.  
Harahan, LA 70123

**Contact:**  
Mark Drewes, PE  
Director of Public Works  
(504) 736-6783

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

- A. SECTIONS 1, 2, 3, 4, AND 5:** N-Y provided preliminary design from West Napoleon Avenue to Veterans Boulevard, which included a hydraulic analysis to determine water surface elevations and geotechnical studies to determine slope stability. N-Y prepared preliminary plans for 3 box culverts at Interstate 10, measuring 11' x 20' feet each; 4 box culverts at Veterans Boulevard, measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS and a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.
- B. SECTION 2:** Final plans, bidding, construction administration, and resident inspection for the 40' (bottom) wide, 1,540 LF concrete flume section from West Napoleon Ave. to Interstate 10 with a capacity of 3,000 CFS.
- C. SECTION 3:** Final plans, bidding, construction administration, and resident inspection for slope paving Suburban Canal through the 450' I-10 right-of-way with helical anchors for slope stabilization, sheet pile transitions and a design flow of 4,000 CFS.
- D. SECTION 4:** Final plans, bidding, construction administration, and resident inspection for a 58' (bottom) wide, 1,837 LF concrete flume section from Interstate 10 to Veterans Boulevard with a capacity of 4,000 CFS.
- E. SECTION 5:** Final plans, construction administration, and resident inspection for removal of two existing bridges and installation of a triple barrel, 16' h x 60' w box culvert, with a design flow exceeding 6,000 CFS, through the 355' right-of-way at Veterans Boulevard, including box culvert transitions from Canal No. 3.



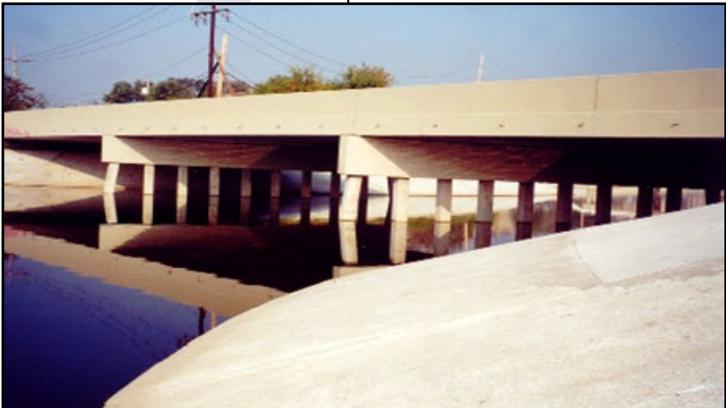
**Section 2: Completed Construction**



**Section 4: Completed Construction**

| Completion Date (Actual or Estimated): | Estimated Cost:  |                                      |
|--|------------------|--------------------------------------|
|  | Entire Project:  | Work for which Firm was Responsible: |
| A. 1993                                | A. \$26 million  | 100%                                 |
| B. 1996                                | B. \$4.5 million |                                      |
| C. 2002                                | C. \$6 million   |                                      |
| D. 1998                                | D. \$4.5 million |                                      |
| E. 2004                                | E. \$9 million   |                                      |

**PROJECT NO. 6**

| PROJECT NO. 6  |  |   |
|--|--|---|
| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:   |   |
| <p><b>Improvements to Drainage Canal No. 3;<br/>Jefferson Parish, LA</b></p> <p><b>Owner:</b><br/>Jefferson Parish<br/>1221 Elmwood Park Blvd.<br/>Harahan, LA 70123</p> <p><b>Contact:</b><br/>Mark Drewes, PE<br/>Director of Public Works<br/>(504) 736-6783</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b><u>N-Y Personnel:</u></b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>M. Nicoladis, EI, MBA<br/>J. Simmons, PE<br/>N. Logan, PE<br/>D. Voss, NICET</p> </div> | <p>Design, bidding, construction administration, and resident inspection for Improvements to Drainage Canal No. 3, from Interstate 10 to the Elmwood Canal consisting of an 1,800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4,000 CFS. The limits include the junction of Canal No. 3 and Elmwood Canal.</p> <p>This project includes a 34' wide x 250' long, 2-lane replacement vehicular bridge composed of pre-stressed, pre-cast hollow core slabs, with 50 ft. spans designed for AASHTO HS-20 loading. Cast-in-place bridge bents include pre-cast concrete piles. <b>The bridge span lengths and structure depth were designed to minimize obstructions to flow and the raising of the bridge profile for a 100 year flood without requiring additional right-of-way.</b></p> <div style="text-align: center;">  </div> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 5px;"> <p><b>Transition Bridge over Elmwood Canal</b></p> </div> |   |
|  | <b>Estimated Cost:</b>   |   |
| <b>Completion Date<br/>(Actual or Estimated):</b>  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| 2000   | \$ 7.2 million   | 100%  |

**PROJECT NO. 7**

|  |  |  |
|--|--|--|
| <p><b>Project Name, Location and Owner's contact information:</b></p>  | <p align="center"><b>Nature of Firm's Responsibility:</b></p>  |  |
| <p><b>ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport; Kenner, LA</b></p> <p><b>Owner:</b><br/>New Orleans Aviation Board<br/>P. O. Box 20007<br/>New Orleans, LA 70141</p> <p><b>Contact:</b><br/>Mr. Walter Krygowski<br/>Deputy Director and COO<br/>(504) 303-7551</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>N-Y Personnel:</b><br/>F. Nicoladis, PE<br/>M. Nicoladis, EI, MBA<br/>C. Nicoladis, PE<br/>D. Voss, NICET</p> </div> | <p>Design, bidding and construction administration of a 10,600 LF roadway including a 4,300 LF segment composed of P.C.C. with a 6" crushed limestone base course on a sand embankment with geotextile fabric and a 6,300 LF segment composed of 8" P.C.C. on a 6" asphalt binder course on top of a reinforced box culvert. The purpose of the roadway is to provide access for emergency vehicles at New Orleans International Airport.</p> <p><b>The box culvert encloses approximately 6,300 LF of the Duncan Drainage Canal and consists of a 900 LF segment containing two 9' x 9' reinforced concrete box culverts and a 5,400 LF segment containing a double barrel, 11' h x 44' w reinforced concrete box culvert.</b></p> <div style="text-align: center;">  <p><b>Perimeter Road, Stage 1<br/>(Subsurface Drainage under Construction)</b></p> </div> <div style="text-align: center; margin-top: 20px;">  <p><b>Perimeter Road, Stages 1 and 2</b></p> </div> |  |
| <p><b>Completion Date (Actual or Estimated):</b></p>   | <p align="center"><b>Estimated Cost:</b></p>   |  |
| <p align="center">1996</p>   | <p align="center"><b>Entire Project:</b></p> <p align="center">\$16.3 million</p>  | <p align="center"><b>Work for which Firm was Responsible:</b></p> <p align="center">100%</p> |

**PROJECT NO. 8**

|   |   |   |
|---|---|---|
| <p><b>Project Name, Location and Owner's contact information:</b></p>   | <p align="center"><b>Nature of Firm's Responsibility:</b></p>   |   |
| <p><b>Drainage Master Planning, Hydraulic Modeling and Design;</b><br/> <b>St. Tammany Parish, LA</b></p> <p><b>A. Alton Subdivision Drainage Improvements</b></p> <p>    <b>i. Alton Drainage Study</b><br/>         <b>ii. Alton Drainage Design, Phase 1</b></p> <p><b>Owner:</b><br/> <b>St. Tammany Parish</b><br/> <b>21490 Koop Drive</b><br/> <b>Mandeville, LA 70471</b></p> <p><b>Contact:</b><br/> <b>Daniel Hill, PE</b><br/> <b>(985) 898-2552</b></p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>N-Y Personnel:</b><br/> F. Nicoladis, PE<br/> C. Nicoladis, PE<br/> M. Nicoladis, EI, MBA<br/> F. Mortali, PE<br/> D. Voss, NICET</p> </div> | <p><b>A. Alton Subdivision Drainage Improvements</b></p> <p><b>i. Alton Drainage Study</b><br/> Hydraulic Modeling utilizing SWMM of Existing Conditions and Proposed Improvements (including new subsurface drainage and open channel flow) to alleviate street and nuisance flooding in the Alton Subdivision North of I-12 and West of US Hwy 11.</p> <p>This area is part of the Bayou Vincent watershed, a tributary to Bayou Bonfouca. Land use is largely residential with some commercial and industrial. A SWMM model was created to study the drainage issues based on both existing conditions and proposed improvements for a 10, 25, 50 and 100 Year Storms. In the conclusion of the study, N-Y suggested that the construction of the proposed solutions be completed in two phases. Phase I of the project includes the improvements to the major outfalls along Third Street from 12<sup>th</sup> Street to the outfall at Drainage Lateral 8-JW1-14, as well as drainage Laterals 8-JW1-8, 8-JW1-27 and 8<sup>th</sup> Street from Amos to the outfall at 8-JW1-27.</p> <p><b>ii. Alton Drainage Design, Phase 1</b><br/> <b>Design for Phase 1 of the proposed drainage improvements included:</b></p> <ul style="list-style-type: none"> <li>▪ New subsurface drainage including reinforced concrete arch pipe and 176 LF of 4' x 4' pre-cast, reinforced concrete boxes along N. 3rd Avenue between N. 12th Street and west of N. 18th Street.</li> <li>▪ Ditch widening along N. 10th Street between N. 1st Avenue and Amos Street</li> <li>▪ 858 LF of 9' x 3' pre-cast, reinforced concrete boxes and reinforced concrete arch pipe along N. 8th Avenue between Amos Street and south of Estride Avenue.</li> </ul> <div style="text-align: center; margin-top: 20px;"> <p><b>TYPICAL SECTION AT STA. 9+50</b></p> </div> |   |
| <p align="center"><b>Completion Date (Actual or Estimated):</b></p>   | <p align="center"><b>Estimated Cost:</b></p>  |   |
| <p align="center">A. i. 2016<br/> ii. 2018 (design)</p>   | <p align="center"><b>Entire Project:</b></p> <p align="center"><b>\$1.5 million</b></p>   | <p align="center"><b>Work for which Firm was Responsible:</b></p> <p align="center"><b>100%</b></p> |

**PROJECT NO. 8 (Continued)**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Drainage Master Planning, Hydraulic Modeling and Design; St. Tammany Parish, LA**

**B. 1077/1085 Drainage Study**

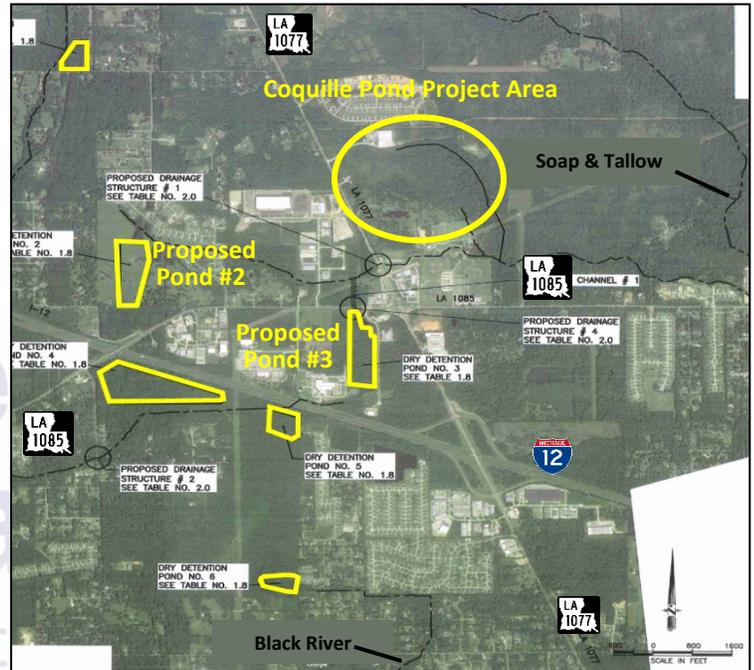
Hydrologic and Hydraulic Modeling utilizing SWMM and HEC-RAS, of Existing Conditions and Proposed Phased Improvements for this 12,500-acre area which includes the following three (3) adjoining watershed areas in northwestern St. Tammany Parish.

- **East Bedico Creek (7,254 acres)**
  - includes Fox Branch and Tributary No. 3 tributaries
- **Soap and Tallow Creek (4,412 acres)**
  - includes Tallow Creek, Tallow Creek No. 3 and Tuscany tributaries
- **Black River (833 acres)**

**B. 1077/1085 Drainage Study**

**C. Tantella Ranch/McGee Road Drainage Study**

The Proposed Improvements will reduce flood inundation and water surface elevations and include six (6) new stormwater detention ponds, enlargement of existing culverts and new culverts.



The 1077/1085 Drainage Study identified the need for storm water detention ponds and other drainage improvements in the Coquille Pond project area to mitigate future flooding during rain events.

N-Y provided hydrologic and hydraulic modeling, conceptual design and cost estimates for proposed detention ponds in the study area which are similarly sized and would provide similar benefits to the proposed 30-acre Coquille Pond.

**C. Tantella Ranch/McGee Road Drainage Study**

Hydrologic and Hydraulic Study utilizing SWMM, to evaluate the water surface elevation for a 1,783 acre area on Tantella Ranch Road including seven (7) outfalls.

The purpose of the project was to evaluate the impact and the water surface elevation reduction of a proposed detention pond. The parcel is approximately 90 acres and is located between the Silver Lake Subdivision and LA Hwy 1077. The impact of extending the existing channel from Tantella Ranch Road towards the Tchefoncté River a distance of approximately 2700 feet was evaluated and a proposed culvert addition on Tantella Road was also included in the model.

**N-Y Personnel:**

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

**Completion Date (Actual or Estimated):**

**Estimated Cost:**

- B. 2016
- C. 2017

**Entire Project:**  
B. \$17.8 million  
C. \$8.1 million

**Work for which Firm was Responsible:**  
  
100%

**PROJECT NO. 8 (Continued)**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Drainage Master Planning, Hydraulic Modeling and Design; St. Tammany Parish, LA**

**D. Brewster Road/LA 1077 Detention Pond**

**E. Coin Du Lestin Road Elevation**

**Owner:  
St. Tammany Parish  
21490 Koop Drive  
Mandeville, LA 70471**

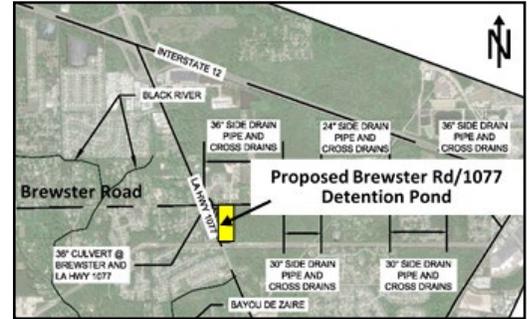
**Contact:  
Daniel Hill, PE  
(985) 898-2552**

**N-Y Personnel:  
F. Nicoladis, PE  
C. Nicoladis, PE  
M. Nicoladis, EI, MBA  
J. Simmons, PE  
F. Mortali, PE  
P. Claverie, EI, MS**

**D. Brewster Road/LA 1077 Detention Pond**

Hydrologic and Hydraulic Modeling utilizing SWMM and HEC-RAS of existing conditions and proposed improvements to evaluate the benefits and verify the pond design criteria.

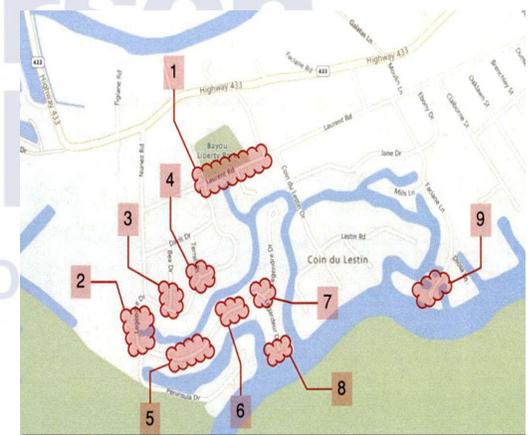
Design for a +/- 10-acre detention pond located on undeveloped land in the vicinity of the intersection of Brewster Rd and LA Hwy 1077 within the upper portion of the Bayou De Zaire watershed in unincorporated Madisonville. The project also includes drainage improvements to facilitate connectivity to the pond including cross drains, side drains, storm drains, and potential new subsurface drainage along Brewster Road.



Note: In 2021, N-Y was tasked with performing a revised H&H Study and relocating the proposed pond to parcel southwest of Post Oak Road and LA Hwy 1077. Final Design at this new location is now complete.

**E. Coin Du Lestin Road Elevation**

N-Y evaluated the raising of several roadways in the Coin Du Lestin Estates subdivision in eastern St. Tammany Parish by creating a Hydraulic and Hydrology Model (H&H Model). The H&H Model utilizes HEC-RAS and 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.

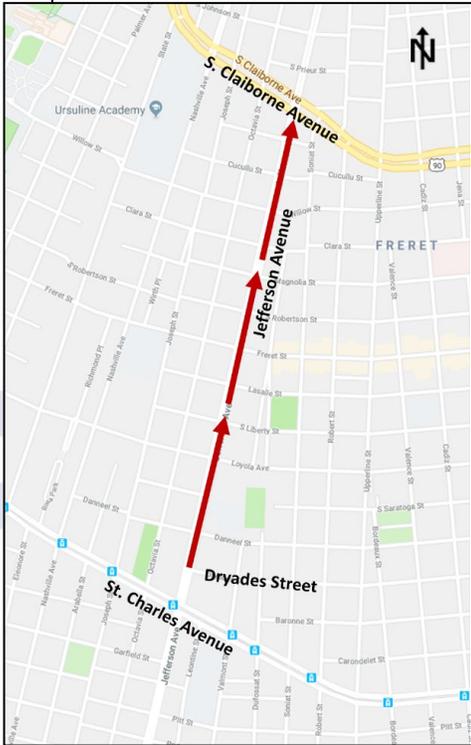


**Site Plan Showing Areas that Currently**

N-Y is now completing the Final Design of the recommended improvements.

| Completion Date<br>(Actual or Estimated): | Estimated Cost:       |                                      |
|---|-----------------------|--------------------------------------|
|   | Entire Project:       | Work for which Firm was Responsible: |
| D. 2025                                   | D. \$8.1 million est. | 100%                                 |
| E. 2025                                   | E. \$1.5 million est. |                                      |

**PROJECT NO. 9**

|   |   |   |
|---|---|---|
| <b>PROJECT NO. 9</b>  |   |   |
| <p><b>Project Name, Location and Owner's contact information:</b></p> <p><b>Drainage Canals;<br/>Orleans Parish, LA</b></p> <p><b>A. Jefferson Avenue Covered Canal I, from South Claiborne Avenue to Dryades Street; New Orleans, LA</b></p> <p><b>Owner:</b><br/>Sewerage and Water Board of New Orleans<br/>625 St. Joseph Street<br/>New Orleans, LA 70115</p> <p><b>Contact:</b><br/>Mr. Ron Spooner, PE<br/>Deputy General Superintendent<br/>(504) 865-0409</p> <div style="border: 1px solid black; background-color: #4a7ebb; color: white; padding: 5px; margin-top: 10px;"> <p><b><u>N-Y Personnel:</u></b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>M. Nicoladis, EI, MBA<br/>J. Simmons, PE<br/>D. Voss, NICET</p> </div> | <p><b>Nature of Firm's Responsibility:</b></p> <p>Design, Construction Administration and Resident Inspection for drainage improvements to the Jefferson Avenue Covered Canal I.</p> <p>The work consists of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations. A 1400 LF, 1500 CFS segment of the RCBC is 14'w x 10'h and a 3000 LF, 1100 CFS segment is 14'w x 8'h.</p> |   |
|   |   |  |
|   | <p><b>Covered Canal<br/>(Under Construction)</b></p>  |   |
| <b>Completion Date<br/>(Actual or Estimated):</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b>   |
| <b>2018</b>   | <b>\$55 million</b>   | <b>100%</b>   |

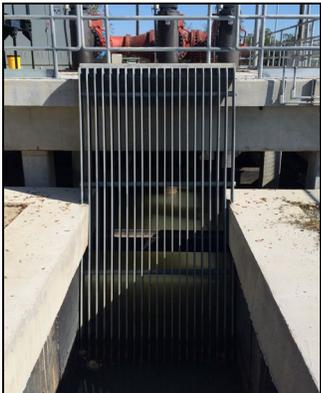
**PROJECT NO. 9 (CONTINUED)**

| PROJECT NO. 9 (CONTINUED)   |  |  |  |                        |   |              |
|---|--|--|--|------------------------|---|--------------|
| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:   |  |  |                        |   |              |
| <p><b>DRAINAGE CANALS;<br/>ORLEANS PARISH, LA</b></p> <p>B. South Claiborne Avenue Manifold Canal (Jena Street to Louisiana Avenue); New Orleans, LA</p> <p><b>Owner:</b><br/>Sewerage and Water Board of New Orleans<br/>625 St. Joseph Street<br/>New Orleans, LA 70115</p> <p><b>Contact:</b><br/>Mr. Ron Spooner, PE<br/>Deputy General Superintendent<br/>(504) 865-0409</p> <div data-bbox="138 947 436 1167" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b>N-Y Personnel:</b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>M. Nicoladis, EI, MBA<br/>J. Simmons, PE<br/>D. Voss, NICET</p> </div> <div data-bbox="318 1247 935 1650" style="border: 1px solid black; margin-top: 20px;"> </div> | <p>Design, construction administration, and full-time resident inspection services for a single barrel, 10' h x 24' w concrete box culvert from Jena St. to the west and a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approximately 2,000 CFS, placed in the median of S. Claiborne Avenue (U.S. 90) and extending approximately 2,500 LF.</p> <p>The existing General Taylor Canal and local drainage culverts are connected to the new manifold. The project includes the intersection of two main drainage canals at Napoleon Avenue and S. Claiborne Avenue. A 400 foot long stub out with a single barrel 10'h x 28'w box culvert extends south past the S. Claiborne Avenue median to be connected to the future enlarged Napoleon Avenue box culvert.</p> <p>The project also includes a 200 foot long double barrel 13'h x 38'w stubout north of the S. Claiborne Avenue median at Napoleon Avenue to carry the combined drainage flows from the culverts from the east and west along S. Claiborne Avenue and from the south along Napoleon Avenue.</p> <div data-bbox="846 913 1448 1304" style="border: 1px solid black; margin-top: 20px;"> </div> <div data-bbox="984 1331 1377 1461" style="border: 1px solid black; padding: 5px; margin-top: 20px; text-align: center;"> <p><b>South Claiborne Avenue<br/>Manifold Canal<br/>(Under Construction)</b></p> </div> |  |  |                        |   |              |
|   | <p><b>Completion Date<br/>(Actual or Estimated):</b></p> <p>2004</p>   | <p><b>Estimated Cost:</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td align="center"><b>Entire Project:</b></td> <td align="center"><b>Work for which Firm was Responsible:</b></td> </tr> <tr> <td align="center">\$25 million</td> <td align="center">100%</td> </tr> </table> |  | <b>Entire Project:</b> | <b>Work for which Firm was Responsible:</b> | \$25 million |
| <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b>  |  |  |                        |   |              |
| \$25 million  | 100%   |  |  |                        |   |              |

**PROJECT NO. 10**

| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:  |   |
|--|---|---|
| <p><b>DRAINAGE PUMPING STATIONS IN JEFFERSON, ORLEANS AND THE RIVER PARISHES, LA</b></p> <p><b>A. New Bayou Segnette Drainage Pumping Station; Jefferson Parish, LA</b></p> <p><b>B. Westwego No. 2 Drainage Pumping Station; Jefferson Parish, LA</b></p> <p><b>Owner:</b><br/>Jefferson Parish<br/>1221 Elmwood Park Blvd.<br/>Harahan, LA 70123</p> <p><b>Contact:</b><br/>Mark Drewes, PE<br/>Director of Public Works<br/>(504) 736-6783</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><b><u>N-Y Personnel:</u></b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>M. Nicoladis, EI, MBA<br/>J. Simmons, PE<br/>N. Logan, PE<br/>D. Voss, NICET</p> </div> | <p><b>A. New Bayou Segnette Drainage Pumping Station</b><br/>Design, bidding, construction administration and resident inspection for a new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers. The new station was built adjacent to the existing station and was designed USACE standards.</p>  <p><b>B. Westwego Pumping Station No. 2</b></p> <p>i. Design, bidding, construction administration, and resident inspection of a 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall (completed 1984).</p> <p>ii. Installation of New Pump at Westwego Pumping Station No. 2:<br/>Design, bidding, construction administration, and resident inspection for the procurement and installation of an additional (third) 320 CFS electric powered, vertical pump (completed 1997). (SELA Project)</p>   | <p>to</p> <p>Design features included: a 74' x 74' pump station building &amp; control room tying into the Corps future I-wall flood protection; dolphins for protection of the discharge piping; extension of Drake Avenue Bridge (20' slab spans); concrete T-wall for discharge basin; steel sheet pile walls for intake basin; &amp; widening of the existing intake basin.</p> |
| <p><b>Completion Date (Actual or Estimated):</b></p>   | <p align="center"><b>Estimated Cost:</b></p>  |   |
| <p align="center">A. 2005<br/>B. 1997</p>  | <p align="center"><b>Entire Project:</b></p> <p align="center">A. \$15.5 million<br/>B. i. \$3.5 million<br/>ii. \$800,000</p>  | <p align="center"><b>Work for which Firm was Responsible:</b></p> <p align="center">100%</p>  |

**PROJECT NO. 10 (CONTINUED)**

| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:   |   |
|---|--|---|
| <p><b>DRAINAGE PUMPING STATIONS:</b></p> <p><b>C. Willowdale Drainage Pumping Station; St. Charles Parish, LA</b></p> <p><b>Owner:</b><br/>St. Charles Parish,<br/>Dept. of Public Works<br/>Post Office Box 705<br/>Luling, LA 70070</p> <p><b>Contact:</b><br/><b>Mr. Miles Bingham, PE</b><br/>Director of Public Works<br/>(985) 783-5102</p> <div data-bbox="298 800 553 989" style="border: 1px solid black; padding: 5px;"> <p><b>N-Y Personnel:</b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>N. Logan, PE<br/>D. Voss, NICET</p> </div> <p><b>D. East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA</b></p> <p><b>Owner:</b><br/>St. John the Baptist School Board<br/>118 West 10<sup>th</sup> Street<br/>Reserve, LA 70084</p> <p><b>Contact:</b><br/>Gerald Keller, PhD,<br/>Board Member, District 3<br/>(985) 536-1106</p> <div data-bbox="298 1488 547 1707" style="border: 1px solid black; padding: 5px;"> <p><b>N-Y Personnel:</b><br/>F. Nicoladis, PE<br/>C. Nicoladis, PE<br/>J. Simmons, PE<br/>F. Mortali, PE<br/>D. Voss, NICET</p> </div> | <p><b>C. Willowdale Drainage Pumping Station</b><br/>Design, permitting, bidding, construction administration and resident inspection for a new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals. The main canal flowing east along the south boundary of the Willowdale Subdivision is adjacent to the Hurricane Protection Levee maintained by St. Charles Parish.</p> <p>The levee is supported by the structure of the new station &amp; by sheetpile wing walls extending from both sides of the suction basin to the point where the new levee height is reduced to its existing configuration. The pumps discharge into a three sided basin with a stone bottom to protect against erosion.</p> <p><b>This unmanned automated station utilizes pressure transducers to turn off/on three diesel engine driven, vertical pumps with 54" diameter suction and discharge tubes.</b></p> <p><b>D. East St. John High School Drainage Pumping Station</b><br/>Design, bidding and construction administration of a flood protection system around East St. John High School with interior drainage improvements and utility relocations.</p> <p>N-Y designed an elevated pump station including three, 20" pumps with a capacity of 20,000 gpm, and a back-up generator. The pump station is automated to utilize 1, 2, or 3 pumps as necessary to maintain the desired water level. N-Y also designed a sluice gate structure to drain the site during pump station maintenance.</p> | <div data-bbox="1133 285 1523 579" style="text-align: center;">  </div> <div data-bbox="618 1331 1081 1682" style="text-align: center;">  </div> <div data-bbox="618 1682 1081 1745" style="text-align: center;"> <p><b>Pump Station</b></p> </div> <div data-bbox="1182 1289 1503 1682" style="text-align: center;">  </div> <div data-bbox="1182 1682 1503 1745" style="text-align: center;"> <p><b>Bar Screen</b></p> </div> |
| <p align="center"><b>Completion Date</b><br/>(Actual or Estimated):</p>   | <p align="center"><b>Estimated Cost:</b></p>   |   |
| <p align="center">C. 2004<br/>D. 2015</p>   | <p align="center">Entire Project:<br/>C. \$3,600,000<br/>D. \$1,600,000<br/>(pump station and sluice gate)</p>   | <p align="center">Work for which Firm was Responsible:<br/><br/>100%</p>  |

**PROJECT NO. 10 (CONTINUED)**

| Project Name, Location and Owner's contact information: | Nature of Firm's Responsibility: |
|---|----------------------------------|
|---|----------------------------------|

**DRAINAGE PUMPING STATIONS :**

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

**Owner:**  
**USACE**  
 P. O. Box 60267  
 New Orleans, LA 70160

**Contact:**  
**Mr. Chris Dunn**  
 Chief Engineer, New Orleans District  
 (504) 862-1799

**N-Y Personnel:**  
 F. Nicoladis, PE  
 C. Nicoladis, PE  
 J. Simmons, PE  
 N. Logan, PE  
 D. Voss, NICET

**E. Fronting Protection Estelle No. 1 (Old) & New Estelle Pumping Stations Preparation of the Design Report, Plans & Specifications, and Engineering During Construction for this hurricane protection project to provide fronting protection across the entire width of the pumping station discharge areas.**

The design includes a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes. Pile supported reinforced concrete T-walls tie the new fronting protection to the existing hurricane flood protection.



**F. Additions to Drainage Pumping Station No. 11; New Orleans, LA**

**Owner:**  
 Sewerage and Water Board of New Orleans  
 625 St. Joseph Street  
 New Orleans, LA 70115

**Contact:**  
**Mr. Ron Spooner, PE**  
 Deputy General Superintendent  
 (504) 865-0409

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

**F. Additions to Drainage Pumping Station No. 11**

**Design, bidding, construction administration, and resident inspection services for a 10,000 SF pump house, two, 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two (2) I-walls and one T-wall, along with improvements to the levee along the Gulf Intracoastal Waterway.** The project was completed while keeping the existing station operational to avoid flooding within the designated drainage area. The installation of the two (2), 500 cfs horizontal shaft axial flow propeller pumps included motors, speed reducers, controls, vacuum priming pumps, a diesel generator and fuel tanks.



The project also included demolition and removal of the existing mechanical screen cleaners and furnishing and installing new mechanical screen cleaners for the existing station and addition. Installation of miscellaneous mechanical systems included ventilation and air conditioning, sanitary systems, sump pump systems, an overhead traveling crane (20 ton), and water level monitoring and recording systems.

| Completion Date<br>(Actual or Estimated): | Estimated Cost:   |                                      |
|---|-------------------|--------------------------------------|
|   | Entire Project:   | Work for which Firm was Responsible: |
| E. 2012                                   | E. \$35 million   | 100%                                 |
| F. 1996                                   | F. \$13.4 million |                                      |

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

|                   |                   |                               |
|-------------------|-------------------|-------------------------------|
| <b>Parties:</b>   |                   | <b>Status/Result of Case:</b> |
| <b>Plaintiff:</b> | <b>Defendant:</b> |                               |
|                   |                   |                               |

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

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

**SECTION N. TABLE OF CONTENTS**

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

**II. MINIMUM QUALIFICATIONS**

1. One Principal who is a Professional Engineer who shall be registered as such in Louisiana:
  - Frank Nicoladis, PE  
LA PE No. 5924, Expires 03/31/2025  
67 Years of Experience
2. A Professional in Charge of the project who is a Professional Engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience in the disciplines involved:
  - Constantine F. Nicoladis, PE  
LA PE No. 27095, Expires 09/30/2025  
37 Years of Experience
3. One Employee who is a Professional Engineer registered as such in Louisiana in the field or fields of expertise required for the project (A sub-consultant may meet the requirement only if the advertised project involves more than one discipline):
  - James Simmons, PE  
LA PE No. 19891, Expires 09/30/2025  
47 Years of Experience
  - Fred Mortali, PE  
LA PE No. 35111, Expires 03/31/2026  
31 Years of Experience
  - Neil Logan, PE  
LA PE No. 14607, Expires 03/31/2025  
63 Years of Experience
  - William Haensel, PE, PLS  
LA PE No. 13375, Expires 03/31/2025  
43 Years of Experience

**I. EXECUTIVE SUMMARY**

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

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

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

## II. EVALUATION CRITERIA

### 1. Professional Training and Experience

#### ➤ Personnel

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

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

*Mr. Nicoladis' experience includes serving as N-Y's Project Manager for Duncan Canal Improvements at West Esplanade Avenue in Kenner, which includes design of a 340 LF box culvert which will replace the existing bridges crossing the Duncan Canal. He recently served as Project Manager for N-Y's Street and Drainage Reconstruction Projects for the City of New Orleans, including the Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements; as well as S. Galvez and Canal Streets. Additionally, he served as Project Manager for the \$25 million South Claiborne Avenue Manifold Canal and the \$55 million Jefferson Avenue Covered Canal I for the Sewerage and Water Board of New Orleans.*

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

- **James Simmons, PE:** Vice President and Civil Engineer who has a B.S. in Civil Engineering and 47 years of related experience. *Mr. Simmons experience includes N-Y's work in Jefferson Parish on roadway and drainage projects, including Improvements to Destrehan Ave., Phases I and II; Improvements to West Esplanade Ave., from Bonnabel Blvd. to Cleary Ave.; Improvements to Veterans Blvd., from David Dr. to Roosevelt Blvd.; and Improvements to West Napoleon Ave., from Cleary Ave. to Houma Blvd.*

- **Fred Mortali, PE:** Civil & Hydraulic Engineer with a Bachelor of Engineering in Civil Engineering and 31 years experience. *Mr. Mortali recently served as the Program Manager for the Design and Construction of \$83 million of FEMA funded concrete and asphalt street improvements for the East Bank of Jefferson Parish. He was responsible for the overall program implementation including the oversight of five (5) design engineers and approx. twenty (20) construction contractors, as well as providing the Parish with the necessary documentation for FEMA's Project Worksheets.*

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

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

#### ➤ Subconsultants

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

- **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.**

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

## 6. SIZE OF FIRM

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

## 7. PAST PERFORMANCE

### ➤ Cost

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

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

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

### ➤ Quality of Work

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

### ➤ Compliance with Performance Schedules

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

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

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

## 2. 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, sick leave and other absences.

## 3. LOCATION OF THE PRINCIPAL OFFICE

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

## 4. ADVERSARIAL LEGAL PROCEEDINGS

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

## 5. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

- Improvements to Subsurface Drainage for the Bunche Village Subdivision
- Improvements to Subsurface Drainage for the Maplewood/Paillet Subdivision
- Improvements to Suburban Drainage Canal, Sections 1, 2, 3, 4 and 5; Metairie, LA
- Improvements to Drainage Canal No. 3

- **Jefferson Parish:** N-Y has been providing engineering services in Jefferson Parish continuously for over fifty (50) years. *Provided after this section are Letters of Recommendation from Mark Drewes, Director of Engineering and Reda Youssef, former Director of Capital Projects attesting to the exceptional services provided by N-Y.*
- **Louisiana Department of Transportation and Development:** *N-Y has been providing professional services continuously for LADOTD since 1975* for the following types of projects: *Stage 0:* Feasibility Studies, Line & Grade Studies, Environmental Inventories and Corridor Studies; *Stage 1:* Environmental Assessments; Environmental Impact Statements; and Construction Plans and Specifications for Roadway, Highway and Bridge Projects.
- **City of New Orleans, Department of Public Works:** *N-Y has been providing professional engineering services continuously for roadway enhancement and reconstruction projects for NODPW since 1980.* Over the past thirty-five (35) years, N-Y has prepared plans and specifications and provided construction engineering and resident inspection for the reconstruction of over twenty (20) miles of concrete and asphalt urban streets in the City of New Orleans.
- **U.S. Army Corps of Engineers, New Orleans District:** N-Y met all its interim and final deadlines on over thirty (30), post-Katrina Task Orders for the USACE, New Orleans District. *As a testament to the USACE's confidence in N-Y, in 2020 N-Y was one of only four firms (and 1 of only 2 local firms) in the New Orleans District that was awarded a new five-year, General Engineering Services Indefinite Delivery contract.*

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

➤ **Public Contracts**

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

**Regional Clients:**

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

**State Clients:**

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

**Federal Clients:**

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

### III. QUALITY CONTROL/ASSURANCE PROGRAM

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

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

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

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

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

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

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

#### IV. THE N-Y ADVANTAGE

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

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

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

Signature: \_\_\_\_\_

Print Name: Michael F. Nicoladis

Title: President

Date: 6/21/2024

## N-Y ASSOCIATES, INC. LICENSE

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

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

### License/Certificate Information w/ Supervision

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



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

**TEC Professional Services Questionnaire**

**IMC**

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**CONSULTING ENGINEERS**

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INC.

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

**B. Firm Name & Address:**

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

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

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

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

*\*All of our Engineers are Specification Writers.*

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

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

## TEC Professional Services Questionnaire

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

1.

2.

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

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

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

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

\_\_\_\_\_

**TEC Professional Services Questionnaire**

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

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

**Project Assignment:**

**Name of Firm with which associated:**

**Years' experience with this Firm:**

**Education: Degree(s)/Year/Specialization:**

**Active registration: Year first registered/discipline:**

**Other experience and qualifications relevant to the proposed Project:**

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

**Estelle 1 Pump Station Modifications**

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

**Elmwood Pumping Station Engine Replacement**

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

**Veterans Boulevard Pumps**

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

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

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

**Fronting Protection - Bonnabel and Suburban Pump Stations**

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

### **Parish Line Pumping Station**

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

### **Ascension Parish – Marvin Braud Pump Station - Enhanced Flood Protection**

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

### **OSP-05 - Addition of a New Pumping Station and Stormproofing of Existing Pumping Station 5, Orleans Parish**

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 new electrical service, normal power systems, a 4 MW standby generator for full station backup, a 400 kW 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, grounding systems (including a building counterpoise), DC power system with battery charging equipment configured to allow DC system power to be available from station batteries or either of two battery chargers, site lighting, and building lighting. Communication design for the new pumping station included connections to the phone system serving the existing pumping station 5, audible / visible "phone ringing" notification devices, and intercom equipment for communications between the existing and new pumping stations. Instrumentation design included power monitoring and protection via digital relays. Control system design for the new station included switchgear-based start / stop control of pump motors, control 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 force winds. Design for the existing Pumping Station 5 included storm proofing measures such as conduit seals, relocation of electrical to facilitate



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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

|   |  |   |
|---|--|---|
|    | <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b><br>9643 Brookline Avenue, Suite 121<br>Baton Rouge, LA 70809<br>Phone (225) 925-6291<br>www.lapels.com   |  |
|   | <b>Mr. Paul Schurb Vlosich</b><br>License/Certificate Type - Number      Expiration Date<br><b>PE.0031006</b> <b>03/31/2026</b><br>Status: <b>Active</b>   |   |
|  | <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> |   |

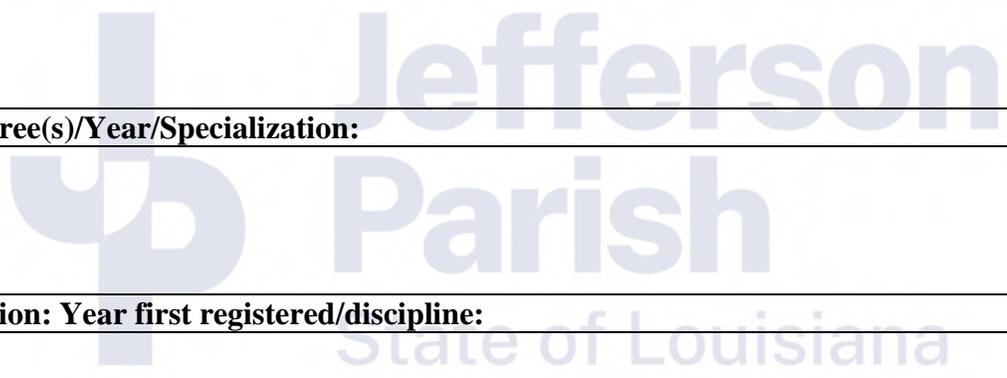
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**TEC Professional Services Questionnaire**

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



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

**Cousins Booster Pumping Station – Jefferson Parish**

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

**Freshwater Bayou Lock Electrical Renovation, Vermillion Parish**

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

**Catfish Point Sector Gate Renovation, Cameron Parish**

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

**Drainage Pumping Station No. 6, Orleans Parish**

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

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

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

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

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

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

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

**Mini-System Improvements Sewerage System, Jefferson Parish**

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



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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

|  |   |  |
|--|---|--|
|   | <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>                        |  |
|  | 9643 Brookline Avenue, Suite 121<br>Baton Rouge, LA 70809<br>Phone (225) 925-6291<br>www.lapels.com |  |
| <b>Mr. Richard Earl Nichols</b>  |   |  |
| License/Certificate Type - Number  | Expiration Date   |  |
| <b>PE.0025896</b>  | <b>09/30/2024</b>   |  |
| <b>Status: Active</b>  |   |  |
| <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**

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

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

### **Elmwood Drainage Pump Station**

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

### **USACE Levee Inspections**

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

### **Orleans Parish Storm Proofing**

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

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

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

### **Parish Line Pumping Station, Jefferson Parish**

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

**Chip Higbee, P.E.**  
**Principal**

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

**Fronting Protection for Ollie Pumping Station, Plaquemines Parish**

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



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

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

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

|   |  |  |
|---|--|--|
|  | <b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b><br>9643 Brookline Avenue, Suite 121<br>Baton Rouge, LA 70809<br>Phone (225) 925-6291<br>www.lapels.com |  |
|   | <b>Mr. Eugene Fallis Higbee III</b>  |  |
| License/Certificate Type - Number   | Expiration Date  |  |
| <b>PE.0026162</b>   | <b>09/30/2024</b>  |  |
| <b>Status: Active</b>   |  |  |

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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).

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**TEC Professional Services Questionnaire**

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

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

**“Parish-Line” Pump Station**

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

**Jefferson Parish Elmwood Drainage Pump Station**

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

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

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

**Bayou Segnette Pumping Station**

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

**Westminster Pumping Station Generator Building**

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

**Louis Pastor, CIPE/CPD**  
**Plumbing Designer**

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

**TEC Professional Services Questionnaire**

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

**PROJECT NO. 1**

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

**PROJECT NO. 2**

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

**TEC Professional Services Questionnaire**

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

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

**TEC Professional Services Questionnaire**

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

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

**TEC Professional Services Questionnaire**

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

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

**TEC Professional Services Questionnaire**

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

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

**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.<br>IMC has no prior or on-going litigation with Jefferson Parish. |            |                        |
| 2.   |            |                        |
| 3.   |            |                        |
| 4.   |            |                        |

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

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

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

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

*Please see next page for additional information.*

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

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

Title: Principal and Director Of Municipal Projects Date: 6/17/2024

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

**1. PROFESSIONAL TRAINING AND EXPERIENCE – DRAINAGE**

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

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 (7+ years of experience)
- Peter DiMarco, Electrical Engineering Intern

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

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

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

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

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

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

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

**2. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK**

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

Based upon our experience with past, similar contracts with Jefferson Parish, we project that this contract would constitute less than 5% of our revenue in a given fiscal year. As such, we believe that IMC's staff 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., Metairie, LA, 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 of this type and nature for Jefferson Parish in the 30+ years that we have been in business. Specific to Jefferson Parish, IMC has completed projects as a Prime and as a Sub-consultant at several Jefferson Parish Sewer Lift Stations, Drainage Stations, and other Facilities, including the Yenni Building, First Parish Court, the East Bank Maintenance Building, the East Bank Library, the River Ridge Library, and the Westbank Government Complex. Specific to the projects of the type anticipated for this contract, IMC has recently and successfully designed, and/or administered the construction for, the mechanical and/or electrical systems for following recent Drainage Projects:

- Electrical Improvement at Hero Pump Station
- Addition to Parish Line Pump Station.
- New Booster Drainage Pump Stations along Veterans, near 17<sup>th</sup> St. Canal
- Engine Replacements at Elmwood Pumping Station.

**6. SIZE OF FIRM**

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

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

**7. PAST PERFORMANCE BY FIRM ON PARISH CONTRACTS**

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

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

We have enjoyed our relationship with Jefferson Parish over the past 30+ years and sincerely believe that we have earned a good reputation with the Parish for delivering quality designs. We hope to continue to have the opportunity to work with Jefferson Parish in the upcoming years.

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

## IMC CONSULTING ENGINEERS, INC. LICENSE

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

| Name:                          | Public Address:                                       |
|--------------------------------|---|
| IMC Consulting Engineers, Inc. | 2714 Independence Street<br>Metairie, Louisiana 70006 |

### License/Certificate Information w/ Supervision

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

# 4. BFM CORPORATION, LLC

*(Subconsultant: Surveying)*

## TEC Professional Services Questionnaire

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

Provision of Routine Engineering Services for

### Drainage Projects in Jefferson Parish

SOQ **24-015** | Resolution No. **144202**

**B. Firm Name & Address:**



**BFM Corporation, LLC**

15 Veterans Memorial Boulevard | Kenner LA 70062

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

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

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

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

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

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

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

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

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

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

**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

|  |                          |  |
|--|--------------------------|--|
| <p><b>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.</b></p>  |                          |  |
| <p>1. N/A</p>  |                          |  |
| <p>2.</p>  |                          |  |
| <p><b>H. Has this JOINT-VENTURE previously worked together? Please check:</b><br/>                 YES _____ NO _____ N/A</p>  |                          |  |
| <p><b>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.</b></p> |                          |  |
| <p><b>Name &amp; Address:</b></p>  | <p><b>Specialty:</b></p> | <p><b>Worked with Firm Before<br/>(Yes or No):</b></p> |
| <p>1. N/A</p>  |                          |  |
| <p>2.</p>  |                          |  |
| <p>3.</p>  |                          |  |
| <p><b>J. Please specify the total number of support personnel that may assist in the completion of the Project:</b><br/>                 _____ <b>26</b> _____ (all personnel will be available for assignment to the project)</p>   |                          |  |



## TEC Professional Services Questionnaire

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

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

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

- Lafitte Drainage Project, Town of Jean Lafitte, Jefferson Parish, LA
- Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA
- Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, LA
- Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA
- Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA
- Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA
- Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue), Metairie, Jefferson Parish, LA
- North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Westwego Drainage Pump Station No. 1, Jefferson Parish, LA
- Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA
- West Bank Expressway, Phase I Drainage Map, from Peters Road to Manhattan Boulevard, Jefferson Parish, LA
- Paillet - Maplewood Drainage Improvements, Jefferson Parish, LA
- Jack & Bores Survey (Drainage Project), Waggaman, Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Mazoue Ditch Improvements, Phase I, Jefferson Parish, LA
- Emergency Generators at 13 Pump Station Sites, Jefferson Parish, LA
- Oakwood/Terrytown Drainage Improvements, Jefferson Parish, LA
- Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA
- Orleans Village Subdivision Drainage Improvements, Jefferson Parish, LA
- Morton & Ingrid Pump Station, Jefferson Parish, LA
- Hoey's Canal Drainage Improvements (Deckbar Ave to Labarre Rd), Jefferson Parish, LA
- Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA
- Mounes Subsurface Drainage - Phase I, Jefferson Parish, LA
- Marlin Court Drainage Project, Jefferson Parish, LA

## TEC Professional Services Questionnaire

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

- Woodland West Drainage Improvements - Phase 2A, Vulcan Dr & Telestar St, Jefferson Parish, LA
- Sub-Basin 3 Proposed Improvements (Meadow St & Myrtle St), Bunche Village, Jefferson Parish, LA
- Avenue D Drainage Improvements, Jefferson Parish, LA
- Oakwood Terrytown Drainage Improvements (HMGP) (Carol Sue Drainage Improvements), Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Maplewood & Paillet HMGP Project, West Bank Subsurface Drainage Improvement Program Phase II, Jefferson Parish, LA
- Hillings Ditch/Drolla/Suave Road Drainage Improvements, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA
- Westgate Subdivision Subsurface Drainage Improvements, Jefferson Parish, LA
- Canal No. 17 Bank Stabilization Phase II, Jefferson Parish, LA
- Clearview Drainage Pump Station and St. Peter's Ditch, Jefferson Parish, LA
- Johnson Street Drainage Improvements (Phases I & II), Jefferson Parish, LA
- Hero Pump Station, Harvey, Jefferson Parish, LA
- West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA
- Hilling Ditch Drainage Improvements, Jefferson Parish, LA
- Upper Kraak Pump Station, Jefferson Parish, LA
- Mason Ditch Drainage Improvements, Jefferson Parish, LA
- Hurricane Gustav Drainage Canal Repairs, East Bank, Jefferson Parish, LA
- Bannerwood Drainage Improvements, Jefferson Parish, LA
- Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA
- Sena Drive Subsurface Drainage Improvements, Jefferson Parish, LA
- Drainage Improvements to the Canal No. 2 Culvert Crossing at California Avenue, Jefferson Parish, LA
- Kawanee Drive Drainage Improvements, Jefferson Parish, LA
- Mazoue Ditch Drainage Improvements Phase IV, Jefferson Parish, LA
- Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA
- Fulton Street Pump Station, Jefferson Parish, LA
- Parish Line Pump Station (Pump Station No. 5), Jefferson Parish, LA
- Mazoue Ditch Drainage Improvements (Rose Crest Lane to Darby Lane), Jefferson Parish, LA
- Breaux Ditch Improvements, East Ames Boulevard - Leo Kenner Parkway, Jefferson Parish, LA
- Manson Ditch (ICRR Ditch) Survey, Jefferson Parish, LA

## TEC Professional Services Questionnaire

|  |
|--|
| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>   |
| <b>Name &amp; Title:</b>   |
| <b>Chad M. Poché, P.E.</b><br>Executive Vice President / Registered Professional Geotechnical Engineer   |
| <b>Project Assignment:</b>   |
| Engineering Liaison  |
| <b>Name of Firm with which associated:</b>   |
| <b>BFM CORPORATION, LLC</b><br>Professional Land & Hydrographic Surveying  |
| <b>Years' experience with this Firm:</b>   |
| 7 years (became partial owner of BFM in 2017);<br>31 years total (1993)  |
| <i>BFM Corporation, LLC   2017 to present</i><br><i>Gulf South Engineering and Testing, Inc.   2011 to present</i><br><i>Ardaman and Associates, Inc.   2007 to 2011</i><br><i>Eustis Engineering   1996 to 2001</i><br><i>Soil Testing Engineers, Inc.   1993 to 1996</i>   |
| <b>Education: Degree(s)/Year/Specialization:</b>   |
| M.S., 1998, Civil Engineering, University of New Orleans<br>B.S., 1993, Civil Engineering, Louisiana State University  |
| <b>Active Registration: Year first registered/discipline:</b>  |
| 1998, Civil Engineer (Louisiana No. 27667)<br>2002, Civil Engineer (Mississippi No. 15405)   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |
| <p>Chad M. Poché, P.E. is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.</p> <p>Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations, and; serving as an Expert Witness. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.</p> |

## TEC Professional Services Questionnaire

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

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

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

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

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

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

## TEC Professional Services Questionnaire

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |   |
|---|---|
| <b>Name &amp; Title:</b>  |   |
| <p><b>Gary J. Lambert, Jr., PLS</b><br/>Vice President / Registered Professional Land Surveyor</p>  |   |
| <b>Project Assignment:</b>  |   |
| Project Manager/Drafting Supervisor   |   |
| <b>Name of Firm with which associated:</b>  |   |
|    |   |
| <b>Years' experience with this Firm:</b>  |   |
| 6 years (joined BFM in 2018);<br>13 years total (2011)  | <i>BFM Corporation, LLC   2018 to present</i><br><i>Riverlands Surveying   2016 to 2018</i><br><i>Bertucci Contracting   2011 to 2016</i> |
| <b>Education: Degree(s)/Year/Specialization:</b>  |   |
| B.S., 2018, Geomatics, Nicholls State University<br>B.S., 2014, Construction Management, Louisiana State University   |   |
| <b>Active Registration: Year first registered/discipline:</b>   |   |
| 2021, Professional Land Surveyor (Louisiana No. 5929)   |   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |   |
| <p>Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.</p> <p>In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.</p> <p>Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).</p> |   |

## TEC Professional Services Questionnaire

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

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

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

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

**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)

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

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Christopher Lemley**  
Field Operations Manager/Survey Crew Chief

**Project Assignment:**

Field Operations Manager/Survey Crew Chief

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years' experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active Registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

Chris Lemley's services as BFM's Field Operations Manager includes overseeing all field work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

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

## TEC Professional Services Questionnaire

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

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

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

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

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

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

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

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

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

**Project Assignment:**

Project Management Support

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years' experience with this Firm:**

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

**Education: Degree(s)/Year/Specialization:**

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

**Active Registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

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

**Mounes Subsurface Drainage – Phase I, Jefferson Parish, LA.** BFM provided all requested topographic surveying services for Phase I of the Mounes Subsurface Drainage project, which extended from Dickory to Elmwood Park Boulevard). (\$26,240 (fee); 2017)

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

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

## TEC Professional Services Questionnaire

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

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

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

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

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

**Oakwood Terrytown Drainage Improvements (HMGP) (Carol Sue Drainage Improvements), Jefferson Parish, LA.** BFM provided topographic surveying services for the project. (JP PW 200-062-DR) (\$23,581 (fee); 2011)

**West Bank Subsurface Drainage Improvement Project, Phase II, Bellemeade Boulevard to the Violet Canal Discharge, Jefferson Parish, LA.** BFM provided topographic surveying for the project, which encompassed Bellemeade Boulevard from Briargrove to Brookmeade and Brookmeade from Bellemeade to the Violet Canal Discharge. (\$16,108 (fee); 2010)

**Sena Drive Subsurface Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the Sena Drive Subsurface Drainage Improvements project, which extended along Sena Drive from West Esplanade Avenue (Canal No. 2) to Nero Street. (\$13,364 (fee); 2010)

**Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA.** BFM provided topographic surveying services for the project, which extended from W Napoleon Avenue to Veterans Memorial Boulevard. (\$28,515 (fee); 2009)

## TEC Professional Services Questionnaire

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|--|---|
| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>   |   |
| <b>Name &amp; Title:</b>   |   |
| <b>Dawn Hoffman</b><br>Researcher/Archivist  |   |
| <b>Project Assignment:</b>   |   |
| Researcher/Archivist   |   |
| <b>Name of Firm with which associated:</b>   |   |
| <br><b>BFM CORPORATION, LLC</b><br>Professional Land & Hydrographic Surveying   |   |
| <b>Years' experience with this Firm:</b>   |   |
| 15 years (joined BFM in 2009);<br>27 years total (1997)  | <i>BFM Corporation, LLC   2009 to present</i><br><i>Fluor Corporation   2007 to 2009</i><br><i>Geographic Computer Technologies, LLC   2000 to 2007</i> |
| <b>Education: Degree(s)/Year/Specialization:</b>   |   |
| A.D., 1999, Computer-Aided Drafting, Southeast College of Technology<br>Certificate, 2003, Introduction to ArcGIS, Louisiana State University  |   |
| <b>Active Registration: Year first registered/discipline:</b>  |   |
| N/A  |   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |   |
| <p>Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.</p> <p><b>Fulton Street Pump Station, Jefferson Parish, LA.</b> BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements &amp; topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)</p> <p><b>Central Avenue Roadway Drainage &amp; Water Main Improvements, Jefferson Parish, LA.</b> BFM Corporation provided surveying services for the project; the scope of which consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey. (\$2,850 (fee); 2022)</p> |   |

## TEC Professional Services Questionnaire

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

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

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

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

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

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

## TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:  |  |
|--|--|
| <b>Name &amp; Title:</b>   |  |
| <p><b>Anthony Watson</b><br/>CADD Technician (AutoCADD Drafting Services)</p>  |  |
| <b>Project Assignment:</b>   |  |
| CADD Technician (AutoCADD Drafting Services)   |  |
| <b>Name of Firm with which associated:</b>   |  |
|   |  |
| <b>Years' experience with this Firm:</b>   |  |
| <p>13 years (joined BFM in 2011);<br/>33 years total (1991)</p>  | <p style="text-align: right;"><i>BFM Corporation, LLC   2011 to present</i><br/><i>Krebs LaSalle Lemieux / GEC   2008 to 2011</i><br/><i>Doug Connally and Associates Land Surveying (Dallas, TX)   1995-2008</i><br/><i>Electrician   1991 to 1995</i><br/><i>City of Plano TX (Part-Time Drafting Services)   1991</i></p> |
| <b>Education: Degree(s)/Year/Specialization:</b>   |  |
| Coursework - CAD, Avatech Solutions, Los Colinas, TX   |  |
| <b>Active Registration: Year first registered/discipline:</b>  |  |
| N/A  |  |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |  |
| <p>Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan &amp; profile, etc.) in both drafting and field environments.</p>  |  |
| <p><b>Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA.</b> BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)</p> |  |
| <p><b>Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA.</b> 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</p>  |  |

## TEC Professional Services Questionnaire

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

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)

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

**Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA.** BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

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

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

## TEC Professional Services Questionnaire

|   |   |
|---|---|
| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |   |
| <b>Name &amp; Title:</b>  |   |
| <b>Curtis "Jay" Barrios</b><br>Survey Crew Chief  |   |
| <b>Project Assignment:</b>  |   |
| Survey Crew Chief   |   |
| <b>Name of Firm with which associated:</b>  |   |
|  <b>BFM CORPORATION, LLC</b><br>Professional Land & Hydrographic Surveying   |   |
| <b>Years' experience with this Firm:</b>  |   |
| 34 years (joined BFM in 1990);<br>39 years total (1985)   | <i>BFM Corporation, LLC   1990 to present</i><br><i>Benson Mercedes Benz   1989 to 1990</i><br><i>SECO Electric   1987</i><br><i>Frishhertz Electric   1986 to 1987</i><br><i>Plain Construction   1985 to 1986</i> |
| <b>Education: Degree(s)/Year/Specialization:</b>  |   |
| <i>High School Diploma</i>  |   |
| <b>Active Registration: Year first registered/discipline:</b>   |   |
| <i>American Traffic Safety Service Assn. – Traffic Flagger</i><br><i>Basic OSHA Training Class Completion</i><br><i>Transportation Work Identification Card (TWIC)</i>  |   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |   |
| <p>Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&amp;T).</p> <p><b>Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA.</b> BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)</p> |   |

## TEC Professional Services Questionnaire

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

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

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

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

**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)

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

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

| Project Name, Location, and Owner's contact information:   | Nature of Firm's Responsibility:  |                                      |
|--|---|--------------------------------------|
| <p><b>Lafitte Drainage Project</b>, Town of Jean Lafitte, Jefferson Parish, Louisiana</p> <p><b>Professional Engineering &amp; Environmental Consultants, Inc.</b><br/>1065 Muller Pkwy Ste B<br/>Westwego LA 70094</p> <p><b>Jeffrey P. Meyers, P.E.</b>, 225-268-6925<br/>jeff@peecinc.com</p> | <p>BFM provided Route Topographic Surveying services for a proposed drainage servitude project which built on a previous BFM project (No. 10309). The project also included provision of boundary surveying in order to provide a servitude plat with legal description. The topographic survey element included establishing a baseline along the route, location of existing improvements, location of drainage, sewerage, and water structures, locating trees and drip lines, and taking spot elevations. For the Servitude Survey, BFM located property corners on the affected properties, and adjacent lots, to verify the boundary. Deliverables included a detailed indelible prints and high-resolution PDFs, cross sections &amp; Three-Point TIE worksheet, a metes-and-bounds legal description of the servitude, and AutoCAD drawing files in DWG format.</p> |                                      |
| Completion Date (Actual or estimated:)   | Estimated Cost:   |                                      |
|  | Entire Project:   | Work for which Firm was Responsible: |
| July 2022  | N/A   | \$11,875 (fee)                       |

### PROJECT NO. 2

| Project Name, Location, and Owner's contact information:  | Nature of Firm's Responsibility:   |                                      |
|---|--|--------------------------------------|
| <p><b>Central Avenue Roadway Drainage &amp; Water Main Improvements</b>, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish<br/>Department of Capital Projects</b><br/>1221 Elmwood Park Blvd Ste 906<br/>Jefferson LA 70123</p> <p><b>Neil Schneider</b>, 504-736-6833<br/>nschneider@jeffparish.net</p> | <p>BFM's scope of services consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey.</p> |                                      |
| Completion Date (Actual or estimated:)  | Estimated Cost:  |                                      |
|   | Entire Project:  | Work for which Firm was Responsible: |
| April 2023  | N/A  | \$2,850 (fee)                        |

## TEC Professional Services Questionnaire

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

| <b>PROJECT NO. 4</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard)</b>, Jefferson Parish, Louisiana</p> <p><b>APTIM</b><br/>2424 Edenborn Avenue Suite 450<br/>Metairie LA 70001</p> <p><b>Gene S. Gillen, P.E.</b>, 504-832-4881<br/>info@aptim.com</p> | <p>BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| December 2017  | N/A  | \$23,540 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 5</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Coventry Drainage Pump Stations,</b><br/>River Ridge, Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b><br/>4409 Utica Street Suite 200<br/>Metairie LA 70006</p> <p><b>Sunina Shrestha, P.E.,</b> 504-885-4080<br/>sshrestha@ecmconsultants.com</p> | <p>BFM provided a Route Topographic Survey with Hydrographic Survey. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Rd.). The hydrographic survey extended 500 ft. into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-ft. intervals within the Limits of Survey.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| June 2020  | N/A   | \$89,780 (fee)                              |

| <b>PROJECT NO. 6</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Metairie Road Drainage Evaluation,</b><br/>Metairie, Jefferson Parish, Louisiana</p> <p><b>GEC, Inc.</b><br/>3445 N Causeway Blvd Ste 401<br/>Metairie LA 70002-3779</p> <p><b>Jerome Lohmann,</b> 504-207-6926<br/>jlohmann@gecinc.com</p> | <p>BFM provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| May 2020  | N/A  | \$18,350 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 7</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue),</b><br/>Metairie, Jefferson Parish, Louisiana</p> <p><b>Meyer Engineers Ltd.</b><br/>4937 Hearst St. Ste. B<br/>Metairie LA 70001</p> <p><b>Ana Theriot, P.E., 504-885-9892</b></p> | <p>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.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| March 2020  | N/A  | \$7,980 (fee)                               |

| <b>PROJECT NO. 8</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>North Arnoult Drainage Pump Station Improvements,</b> Jefferson Parish, Louisiana</p> <p><b>Hartman Engineering, Inc.</b><br/>527 W. Esplanade Ave Suite 300<br/>Kenner LA 70065</p> <p><b>Rolland A. Mura, 504-466-5667</b><br/>rmura@harteng.com</p> | <p>Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| May 2019   | N/A  | \$6,870 (fee)                               |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Avenue D Drainage Improvements (Phase VIII: Allo Street)</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Hartman Engineering, Inc.</b><br/>16563 Airline Hwy Ste A&amp;B<br/>Prairieville LA 70769</p> <p><b>Jared Monceaux, P.E.</b>, 225-313-4617<br/>jmonceaux@harteng.com</p> | <p>BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| April 2019   | N/A  | \$12,855 (fee)                              |

| <b>PROJECT NO. 10</b>   |   |   |
|---|---|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Westwego Drainage Pump Station No. 1</b>, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Department of Drainage</b><br/>1221 Elmwood Park Blvd Ste 907<br/>Harahan LA 70123</p> <p><b>Ben Lepine</b>, 504-736-6759<br/>blepine@jeffparish.net</p> | <p>BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| May 2018  | N/A   | \$4,725 (fee)                               |

## TEC Professional Services Questionnaire

|   |  |                               |
|---|--|-------------------------------|
| <b>M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.</b> |  |                               |
| <b>Parties:</b>   |  | <b>Status/Result of Case:</b> |
| <b>Plaintiff:</b>   | <b>Defendant:</b>  |                               |
| 1.  | <i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i> |                               |
| 2.  |  |                               |
| 3.  |  |                               |
| 4.  |  |                               |

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



### CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

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

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

Our capabilities include the following and more:

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

## TEC Professional Services Questionnaire

N. continued.

- Construction-Related Surveying and Builder's Package Surveys
- American Land Title Association (ALTA) Surveys

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

Our **Survey Field Crews** are equipped with Leica Viva and Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42-megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can capture 50 acres of land allowing BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

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

### CRITERIA 2 | SIZE OF FIRM

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

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

## TEC Professional Services Questionnaire

N. continued.

### CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

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

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

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

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

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

### CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

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

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

### CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

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

## TEC Professional Services Questionnaire

N. continued.

### CRITERIA 6 | LEGAL STATEMENT

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

### CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For over 40 years, BFM Corporation has completed thousands of projects throughout Jefferson Parish and Southeast Louisiana, both to municipal and various private clients, similar to the project at hand, not to mention other drainage projects in a wide range of sizes, from small lot to Parish-wide endeavors. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).** Further, BFM has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our clients. We offer the following specific references for contact:

**Mark R. Drewes, P.E., Director, Jefferson Parish Public Works Department**

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

**Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish Public Works Dept.**

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

**José A. Gonzales, CAO, City of Kenner**

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

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

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

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

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

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

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

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

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

**Greg Cromer, Mayor, City of Slidell**

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

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

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

Signature: \_\_\_\_\_

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: June 6, 2024

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

**Name: Public Address:**

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

**License/Certificate Information w/ Supervision**

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



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

**Mr. Ralph P. Fontcuberta Jr.**

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

Status: **Active**



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

**Mr. Chad Mitchell Poche**

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

Status: **Active**



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

**Mr. Gary James Lambert Jr.**

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

Status: **Active**



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

**Mr. William Mead Farber**

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

Status: **Active**



Division of Small and Emerging Business Development  
SEBD CERTIFICATION

## BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

## BFM CORPORATION, LLC

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

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

Certification No. 9551

Stephanie Hartman,  
Director, Entrepreneurial Services

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

**TEC Professional Services Questionnaire**



## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

Provision of Routine Engineering Services for

### Drainage Projects in Jefferson Parish

SOQ **24-015** | Resolution No. **144202**

**B. Firm Name & Address:**



**Gulf South Engineering and Testing, Inc.**

15 Veterans Memorial Boulevard | Kenner LA 70062

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

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

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

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

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

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

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

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

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

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

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

## TEC Professional Services Questionnaire

|   |            |   |
|---|------------|---|
| <b>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.</b>  |            |   |
| 1. <span style="margin-left: 40px;">N/A</span>  |            |   |
| 2.  |            |   |
| <b>H. Has this JOINT-VENTURE previously worked together? Please check:</b><br>YES _____ NO _____ N/A  |            |   |
| <b>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.</b> |            |   |
| Name & Address:   | Specialty: | Worked with Firm Before<br>(Yes or No): |
| 1. <span style="margin-left: 40px;">N/A</span>  |            |   |
| 2.  |            |   |
| 3.  |            |   |
| <b>J. Please specify the total number of support personnel that may assist in the completion of the Project:</b><br><span style="margin-left: 40px;">30</span> (all personnel will be available for assignment to the project)  |            |   |

## TEC Professional Services Questionnaire

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

### PROFESSIONAL IN CHARGE OF PROJECT:

**Name & Title:**

**Chad M. Poché, P.E.**

Executive Vice President / Registered Professional Geotechnical Engineer

**Project Assignment:**

Geotechnical Engineer / Principal In Charge

**Name of Firm with which associated:**



**Years' experience with this Firm:**

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

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

**Education: Degree(s)/Year/Specialization:**

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

**Active Registration: Year first registered/discipline:**

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

**Other experience and qualifications relevant to the proposed Project:**

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

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

## TEC Professional Services Questionnaire

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

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

**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)

**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)

**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)

**Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA.** Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. (\$8,500 (fee); 2017)

**Drainage Infrastructure Improvements, South Avondale Subdivision, Avondale, Jefferson Parish, LA.** 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. (\$7,000 (fee); 2018)

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

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Bryson S. Beard, P.E., ACI**  
Associate Geotechnical Engineer/Field Engineer

**Project Assignment:**

Associate Geotechnical Engineer/Field Engineer

**Name of Firm with which associated:**

**Years' experience with this Firm:**

2 years (joined Gulf South in 2022); *Gulf South Engineering and Testing, Inc. | 2022 to present*  
3 years total (2021) *TetraTech, Inc. | 2021 to 2022*

**Education: Degree(s)/Year/Specialization:**

B.S., Geological Engineering (2021; University of Mississippi)

**Active Registration: Year first registered/discipline:**

Louisiana P.E. License Passed October 2023  
Georgia, Engineering Intern (No. EIT029180, 2022)

**Other experience and qualifications relevant to the proposed Project:**

Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.

**Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.**

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

## TEC Professional Services Questionnaire

Other experience and qualifications: **Bryson S. Beard, P.E., ACI (continued)**

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

**Lee Street Drainage Pump Station Improvements, City of Slidell, LA.** Prepared a Geotechnical Exploration Report for the project site located at the junction of Lee Street and Front Street in Slidell, LA. Gulf South's scope includes drilling soil borings to 50 ft. in depth, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. (\$4,000 (fee); 2022)

**Pump Station 45 Upgrades (Clark Street), East Baton Rouge Parish, LA.** Geotechnical investigation regarding the construction of a new pump station and a new 5 MG tank (with the option to build a second tank) at the existing PS 45 site along Clark Street in Baton Rouge, LA. Scope of services included drilling 11 undisturbed soil borings to depths of 80 to 120 ft. below the ground surface. Geotechnical laboratory testing were performed to ASTM standards and include strength test (unconfined and/or triaxial), classification tests (Atterberg Limits and/or particle size), consolidation tests, and others as appropriate. Geotechnical engineering analyses included allowable soil bearing values, shaft/pile load capacities, estimates of settlements, sludge loading analyses, and general construction procedures and recommendations. (\$68,000 (fee); 2023)

**Brewster Road/LA 1077 Drainage Improvements, Madisonville, St. Tammany Parish, LA.** Geotechnical engineering services for drainage improvements at the existing parish canal off LA-1077 and Galatas Road in Madisonville, St. Tammany Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet (2 locations) and 30 feet (3 locations) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$20,000 (fee); 2022)

**Kinler & Paul Fredrick Street Drainage Improvements, Luling, St. Charles Parish, LA.** Geotechnical investigation for paved and/or reconstruction of Kinler and Paul Frederick Streets in Luling. Scope included drilling a total of 10 undisturbed soil borings for the project (five borings within each roadway to a depth of 10 feet below the pavement surface). Geotechnical laboratory testing was performed on selected samples collected during the exploration in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2022)

**Chateau Transfer Station Upgrade, City of Kenner, LA.** Geotechnical engineering services for the upgrades of an existing below grade sewer lift station (Chateau Transfer Station) in Kenner, LA. Gulf South's scope of services includes drilling two undisturbed soil borings to depths of 70 and 30 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

## TEC Professional Services Questionnaire

| <b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>  |   |
|---|---|
| <b>Name &amp; Title:</b>  |   |
| <b>Joseph H. "Trey" Binder, III, ACI</b><br>Laboratory Manager  |   |
| <b>Project Assignment:</b>  |   |
| Laboratory Manager; Laboratory Technician   |   |
| <b>Name of Firm with which associated:</b>  |   |
|  <b>GULF SOUTH ENGINEERING AND TESTING, INC.</b><br>Geotechnical & Materials Consultants   |   |
| <b>Years' experience with this Firm:</b>  |   |
| 13 years (joined Gulf South in 2011);<br>13 years total (2011)  | <i>Gulf South Engineering and Testing, Inc.   2011 to present</i><br><i>Ardaman and Associates, Inc.   2007 to 2011</i><br><i>Soil Testing Engineers, Inc.   2006 to 2007</i> |
| <b>Education: Degree(s)/Year/Specialization:</b>  |   |
| A.D., General Studies (2006; Nunez Community College)   |   |
| <b>Active Registration: Year first registered/discipline:</b>   |   |
| <i>HAZMAT Awareness</i><br><i>HAZMAT Operations Training</i><br><i>ACI Aggregate Base Testing Technician</i><br><i>ACI Concrete Strength Testing Technician</i>   |   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>  |   |
| <p>Trey Binder has direct experience with field and laboratory testing services. Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p><b>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA.</b> 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. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. (\$35,000 (fee); 2022)</p> |   |

## TEC Professional Services Questionnaire

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

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

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

**N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.** Provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. 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)

**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)

**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)

**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)

**Drainage Improvements, Citrus Road & Greg Court, Metairie, Jefferson Parish, LA.** Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road & Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations. (\$8,500 (fee); 2017)

## TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:  |   |
|--|---|
| <b>Name &amp; Title:</b>   |   |
| <b>Eric A. Paille, C.E.T., ACI</b><br>Construction Services Manager  |   |
| <b>Project Assignment:</b>   |   |
| Construction Services Manager  |   |
| <b>Name of Firm with which associated:</b>   |   |
|  <b>GULF SOUTH ENGINEERING AND TESTING, INC.</b><br>Geotechnical & Materials Consultants  |   |
| <b>Years' experience with this Firm:</b>   |   |
| 13 years (joined Gulf South in 2011);<br>35 years total (1989)   | <i>Gulf South Engineering and Testing, Inc.   2011 to present</i><br><i>Ardaman and Associates, Inc.   2007 to 2011</i><br><i>Soil Testing Engineers, Inc.   1988 to 2007</i> |
| <b>Education: Degree(s)/Year/Specialization:</b>   |   |
| <i>High School Diploma</i>   |   |
| <b>Active Registration: Year first registered/discipline:</b>  |   |
| <i>ACI-I Field Technician (since 1991; No. 929012)</i><br><i>Certified Engineering Technician (since 1992)</i><br><i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i><br><i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i>   |   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |   |
| <p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p><b>St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA.</b> 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)</p> <p><b>N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA.</b> Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West</p> |   |

## TEC Professional Services Questionnaire

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

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)

**Clearview Parkway Drainage Project, Metairie, Jefferson Parish, LA.** Project consisted of the construction of new drainage features for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Gulf South's scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$30,000 (fee); 2016)

**FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA.** Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

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

**Waggaman Subsurface Drainage Improvements, Waggaman, Jefferson Parish, LA.** Project consisted of the construction of new below grade drainage features and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$7,000 (fee); 2016)

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

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

**Drainage Improvement to North Sibley Drive at West Napoleon Avenue, Metairie, Jefferson Parish, LA.** Gulf South executed a geotechnical investigation for new below grade wet well, approx. 15 - 20 feet deep. Drilled one boring to 80 feet at site and provide laboratory testing and geotechnical engineering analyses (soil bearing values, bedding, and backfill, pile capacities, settlement, construction recommendations, etc.). (\$4,500 (fee); 2012)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Ian Kerner Poché, ACI**  
Assistant Laboratory Supervisor

**Project Assignment:**

Assistant Laboratory Supervisor

**Name of Firm with which associated:**

**Years' experience with this Firm:**

7 years (joined Gulf South in 2017); Gulf South Engineering and Testing, Inc. | 2017 to present  
7 years total (2017)

**Education: Degree(s)/Year/Specialization:**

High School Diploma

**Active Registration: Year first registered/discipline:**

ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03)  
ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)

**Other experience and qualifications relevant to the proposed Project:**

Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.

**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)

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

## TEC Professional Services Questionnaire

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

**Pump Station 45 Upgrades (Clark Street), East Baton Rouge Parish, LA.** Geotechnical investigation regarding the construction of a new pump station and a new 5 MG tank (with the option to build a second tank) at the existing PS 45 site along Clark Street in Baton Rouge, LA. Scope of services included drilling 11 undisturbed soil borings to depths of 80 to 120 ft. below the ground surface. Geotechnical laboratory testing were performed to ASTM standards and include strength test (unconfined and/or triaxial), classification tests (Atterberg Limits and/or particle size), consolidation tests, and others as appropriate. Geotechnical engineering analyses included allowable soil bearing values, shaft/pile load capacities, estimates of settlements, sludge loading analyses, and general construction procedures and recommendations. (\$68,000 (fee); 2023)

**Dellwood Drainage Pump Station Improvement (Sun Valley Drive & Front Street), City of Slidell, LA.** Geotechnical engineering services for construction improvements to the existing drainage pump station at the end of Sun Valley Drive and Front Street in Slidell, LA. Gulf South's scope of services includes drilling a single boring to a depth of 50 feet below the ground surface, laboratory testing, engineering analyses (bearing values, settlement, pile and shaft capacities) and general construction procedures and recommendations. (\$4,000 (fee); 2022)

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

**Wastewater Treatment Plant Improvements, Eden Isle Subdivision, Slidell, St. Tammany Parish, LA.** Geotechnical engineering services for the construction of a new elevated storage building housing six blower units and slab-on-grade supported water storage, concrete tank within the wastewater treatment plant off Lakeview Drive in Slidell, LA. Gulf South's scope includes drilling two undisturbed soil borings to depths of 40 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

**Kinler & Paul Fredrick Street Drainage Improvements, Luling, St. Charles Parish, LA.** Geotechnical investigation for paved and/or reconstruction of Kinler and Paul Frederick Streets in Luling in St. Charles Parish, LA. Scope included drilling a total of 10 undisturbed soil borings for the project (five borings within each roadway to a depth of 10 feet below the pavement surface). Geotechnical laboratory testing was performed on selected samples collected during the exploration in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2022)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Brandon A. Paille, ACI**

Construction Materials Testing (CMT) Supervisor/Project Manager

**Project Assignment:**

Construction Materials Testing (CMT) Supervisor/Project Manager

**Name of Firm with which associated:**

**Years' experience with this Firm:**

5 years (2012-2016; 2023 to present);  
14 years total (2010)

*Gulf South Engineering and Testing, Inc. | 2023 to present*  
*Ascension Parish Sheriff's Office | 2016 to 2023*  
*Gulf South Engineering and Testing, Inc. | 2012 to 2016*  
*Ardaman and Associates, Inc. | 2010 to 2012*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active Registration: Year first registered/discipline:**

APNGA Nuclear Gauge Safety  
ACI Field Technician Level 1  
OSHA Safety Training – 8 hr.

**Other experience and qualifications relevant to the proposed Project:**

Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.

**Taft Park Drainage Improvements, Jefferson Parish, LA.** Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

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

## TEC Professional Services Questionnaire

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

**Submerged Roads Program: District 5, Project 1, Jefferson Parish, LA.** Gulf South performed asphalt testing and inspection as instructed by the client. (\$12,000 (fee); 2013)

**Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA.** Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

**New North Terminal – New Pump Station, Louis Armstrong New Orleans International Airport, LA.** Gulf South performed field and laboratory testing during construction of a new Pump Station at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. (\$100,000 (fee); 2019)

**Drainage System Engineering Analysis – CCTV Drain Line Inspections, City of New Orleans, LA.** Project management and oversight of cleaning/flushing and inspection of sewer drainage pipelines in New Orleans, LA. Gulf South oversaw field operations and coordinated project phases with subcontractors. Subcontractor's inspection methods will utilize CCTV camera equipment to record drain line data. During post processing phase, all data was compiled and consolidated to create a digital database of the drain line information. (\$20,000 (fee); 2014)

**Bucktown Paddlers Launch, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes building earthwork, paving & concrete, concrete testing, soil density tests, pile inspection and modeling, and vibration monitoring. (\$15,000; 2023)

**St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. (\$7,220 (fee); 2023)

**Kenner Discovery School, Kenner, LA.** Gulf South provided construction materials testing and inspection during construction of the project located at 201 Vintage Drive in Kenner. Gulf South's scope of work includes concrete testing and steel inspection. (\$1,028 (fee); 2022)

**New North Terminal – Roads, Louis Armstrong New Orleans International Airport, LA.** Gulf South performed field and laboratory testing during construction of various roads at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. (\$250,000 (fee); 2019)

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

| Project Name, Location, and Owner's contact information:  | Nature of Firm's Responsibility:   |   |
|---|--|---|
| <p><b>Woodlake Drainage Pump Station - Geotechnical Exploration Report,</b><br/>Kenner, Jefferson Parish, Louisiana</p> <p><b>MSMM Engineering, LLC</b><br/>7640 S. Carrollton Ave Ste 220<br/>New Orleans LA 70119</p> <p><b>Scott G. Chehardy, P.E.,</b><br/>985-233-9763<br/>schehardy@msmmeng.com</p> | <p>Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| March 2024  | N/A  | \$48,000 (fee)                              |

### PROJECT NO. 2

| Project Name, Location, and Owner's contact information:  | Nature of Firm's Responsibility:   |   |
|---|--|---|
| <p><b>Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane),</b> Harahan, Jefferson Parish, Louisiana</p> <p><b>Burk-Kleinpeter, Inc.</b><br/>4176 Canal Street<br/>New Orleans LA 70119</p> <p><b>Henry M. Picard, III, P.E.,</b><br/>504-486-5901<br/>hpicard@bkusa.com</p> | <p>Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses (pile capacities &amp; settlement) and general construction procedures and recommendations.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| December 2022   | N/A  | \$7,500 (fee)                               |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 3</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Mississippi River Discharge Pump Station</b>, River Ridge, Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b><br/>1301 Clearview Parkway Suite 200<br/>Metairie LA 70001</p> <p><b>Susina Shrestha, P.E.</b>,<br/>504-885-4080<br/>sshrestha@ecmconsultants.com</p> | <p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| December 2022  | N/A  | \$35,000 (fee)                              |

| <b>PROJECT NO. 4</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>N. Sibley Pump Station Improvements</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Digital Engineering</b><br/>527 W Esplanade Ave Ste 200<br/>Kenner LA 70065</p> <p><b>Frank T. Liang, P.E.</b>, 504-468-6129<br/>fliang@deii.net</p> | <p>Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| March 2021  | N/A  | \$20,000 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 5</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Metairie Lawn and Ridgelake Drive Roadway &amp; Utility Project</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Ardurra Group, Inc.</b><br/>3012 26th Street<br/>Metairie LA 70002</p> <p><b>Joe Becker, P.E.</b>, 504-454-3866<br/>jbecker@ardurra.com</p> | <p>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.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| January 2021   | N/A  | \$8,500 (fee)                               |

| <b>PROJECT NO. 6</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Lake Cataouatche Drainage Pump Station</b>, Avondale, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish</b><br/>1221 Elmwood Park Blvd Ste 907<br/>Jefferson LA 70123</p> <p><b>Mitch Theriot, P.E.</b>, 504-736-6742<br/>mtheriot@jeffparish.net</p> | <p>Geotechnical engineering services for the construction of a replacement for the Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| October 2019   | N/A  | \$12,500 (fee)                              |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 7</b>   |   |   |
|--|---|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>   |   |
| <p><b>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana</b></p> <p><b>Principal Engineering, Inc.</b><br/>1011 N Causeway Blvd Ste 19<br/>Mandeville LA 70471</p> <p><b>André C. Monnot, P.E.,</b><br/>985-624-5001<br/>andre@pi.aec.com</p> | <p>Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| May 2020   | N/A   | \$7,500 (fee)                               |

| <b>PROJECT NO. 8</b>  |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish Engineering Department</b><br/>1221 Elmwood Park Blvd Ste 802<br/>Jefferson LA 70123</p> <p><b>Clinton Hotard, 504-736-6500</b><br/>chotard@jeffparish.net</p> | <p>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.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| July 2020   | N/A  | \$5,000 (fee)                               |

## TEC Professional Services Questionnaire

| <b>PROJECT NO. 9</b>   |  |   |
|--|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>  | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Drainage Infrastructure Improvements, South Avondale Subdivision</b>, Avondale, Jefferson Parish, Louisiana</p> <p><b>Phoenix Global Construction</b><br/>2901 Independence St Ste 103<br/>Metairie LA 70006</p> <p><b>Jack Lo</b>, 504-883-9021<br/>phoenixglobal@bellsouth.net</p> | <p>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.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>  | <b>Estimated Cost:</b>   |   |
|  | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| January 2018   | N/A  | \$7,000 (fee)                               |

| <b>PROJECT NO. 10</b>   |  |   |
|---|--|---|
| <b>Project Name, Location, and Owner's contact information:</b>   | <b>Nature of Firm's Responsibility:</b>  |   |
| <p><b>Drainage Improvements, Citrus Road &amp; Greg Court</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Buchart Horn</b><br/>18163 E Petroleum Drive, Suite A<br/>Baton Rouge LA 70809</p> <p><b>Alan Krouse, P.E.</b>, 225-308-2009<br/>akrouse@bucharthorn.com</p> | <p>Geotechnical investigation for drainage improvements (2000 lf) along Citrus Road &amp; Greg Court (to Jefferson Highway) in Metairie, LA. Gulf South's scope includes pavement coring and drilling five undisturbed soil borings each to 20 feet below ground surface, lab testing, and engineering analyses (including allowable soil bearing values, bedding and backfill recommendations), estimates of settlement, pavement design recommendations, and general construction recommendations.</p> |   |
| <b>Completion Date (Actual or estimated:)</b>   | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
| May 2017  | N/A  | \$8,500 (fee)                               |

## TEC Professional Services Questionnaire

|   |   |                               |
|---|---|-------------------------------|
| <b>M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.</b> |   |                               |
| <b>Parties:</b>   |   | <b>Status/Result of Case:</b> |
| <b>Plaintiff:</b>   | <b>Defendant:</b>   |                               |
| 1.  | <i>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i> |                               |
| 2.  |   |                               |
| 3.  |   |                               |
| 4.  |   |                               |

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



**CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE**

**Gulf South Engineering and Testing, Inc.** (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and nearly three dozen employees.

**Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year.** These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

**Gulf South is a woman-owned, Hudson Initiative-certified small entrepreneurship in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.**

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

## TEC Professional Services Questionnaire

N. continued.

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

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

### **Field Investigation Services**

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

### **Laboratory Testing Services**

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff. Further, Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.

### **Construction Materials Testing & Inspection**

Gulf South provides a full range of construction materials testing & inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided includes:

- Fill and base compaction and density testing
- Vibration monitoring

## TEC Professional Services Questionnaire

N. continued.

- Pre- and post-construction inspection
- Concrete testing and inspection
- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring
- Prepare daily field reports and/or field books
- Maintain records per the client's directive

We have provided construction testing and oversight for projects as small as fill for a house pad to as large as the **\$1.2 billion Louis Armstrong New Orleans International Airport North Terminal** project.

### CRITERIA 2 | SIZE OF FIRM

At over 30 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South can readily meet the time and budget constraints for projects assigned to this contract. Our current workload is such that we can expeditiously complete projects for this contract.

### CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

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

### CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

Gulf South has worked both directly and indirectly for various Jefferson Parish Departments (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region..

### CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

**Gulf South Engineering and Testing has been headquartered in Jefferson Parish since beginning operations in 2011;** our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner. We also maintain an office in Gonzales, LA.

## TEC Professional Services Questionnaire

N. continued.

### CRITERIA 6 | LEGAL STATEMENT

As stated in Item M, Gulf South has had no litigation, past or present, with Jefferson Parish, nor any of our clients.

### CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Executive Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

As evidenced in the provided projects and personnel résumés, key personnel experience includes the completion of thousands of projects in the region throughout their careers for a broad range of clients, including both the government and private sectors. We can submit data in formats acceptable and customized to our clients' needs.

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

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

**Ben Lepine, Acting Director, Drainage Department, Jefferson Parish**  
(504-736-6751 | JPDrainage@jeffparish.net)

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

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

**Michael B. Cooper, Parish President, St. Tammany Parish**  
(985-898-2362 | president@stpgov.org)

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

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

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

Signature: \_\_\_\_\_

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: June 6, 2024

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

**Name:**

Gulf South Engineering and Testing, Inc.

**Public Address:**

Mr. Chad Poche, PE15 Veterans Memorial Boulevard  
Kenner, Louisiana 70062

**License/Certificate Information w/ Supervision**

| License    | Status | First Issuance Date | Expiration Date | Supervisor(s)                       |
|------------|--------|---------------------|-----------------|-------------------------------------|
| EF.0004626 | Active | 07/27/2010          | 03/31/2025      | Mr. Chad Mitchell Poche# PE.0027667 |



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

**Mr. Chad Mitchell Poche**

License/Certificate Type - Number

PE.0027667

Expiration Date

09/30/2024

Status: **Active**



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

**Mr. Ralph P. Fontcuberta Jr.**

License/Certificate Type - Number

PLS.0004329

Expiration Date

09/30/2024

Status: **Active**



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

**Gulf South Engineering and Testing, Inc.**

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

This certification is valid from 12/27/2023 to 12/27/2024 .

Certification No. 11011

Stephanie Hartman,  
Director, Entrepreneurial Services



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Gulf South Engineering and Testing**

15 Veterans Memorial Blvd  
Kenner, LA, United States  
Trey Binder  
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:**

**06 MAY 2024 AT 14:40 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 05/03/2026**

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

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

**AGGREGATE**

- Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
- Aggregate - C 566 - Total Moisture Content
- Aggregate - C 702 - Reducing Samples to Testing Size

**CONCRETE**

- Concrete - C 31 - Making and Curing Test Specimens in the Field
- Concrete - C 39 - Compressive Strength of Cylindrical Specimens
- Concrete - C 138 - Unit Weight and Air Content by Gravimetric
- Concrete - C 143 - Slump
- Concrete - C 172 - Sampling
- Concrete - C 231 - Air Content by Pressure \*\*\*required if C173 not performed\*\*\*
- Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
- Concrete - C 1064 - Temperature of Concrete
- Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
- Concrete - C 1231 - Unbonded Caps

**SOILS**

- Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
- Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
- Soils - D 698 - Compaction Characteristics by Standard Effort
- Soils - D 1140 - Material Finer than 75 μm (No. 200) Sieve
- Soils - D 1556 - Density & Unit Weight by Sand Cone
- Soils - D 1557 - Compaction Characteristics by Modified Effort
- Soils - D 2166 - Unconfined Compressive Strength
- Soils - D 2216 - Water Content
- Soils - D 2487 - Classification of Soils
- Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
- Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
- Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
- Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven
- Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



# CERTIFICATE OF ACCREDITATION



## Gulf South Engineering and Testing, Inc.

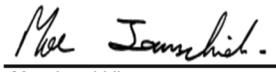
in

### Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](http://aashtoresource.org)).

  
Jim Tymon,  
AASHTO Executive Director

  
Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 04/11/2024 at 12:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)



THIS CERTIFICATE IS PROUDLY PRESENTED TO

*Gulf South Engineering and Testing, Inc.*

8/15/2023

DATE



SIGNATURE

