

ORIGINAL

QUALIFICATIONS AND CREDENTIALS

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Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant Resolution No. 139147



Presented To:
Jefferson Parish



April 19, 2022

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1. N-Y TEAM INTRODUCTION

- **Cover Letter**
- **Project Organization Chart**



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

Reply to Metairie Office

ESTABLISHED 1969

April 19, 2022

Jefferson Parish Council
 c/o Melissa Ovalle
 200 Derbigny Street
 General Government Bld., Suite 4400
 Gretna, LA 70053

**Re: Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant
 Resolution No. 139147**

Ladies and Gentlemen:

N-Y Associates, Inc. (N-Y) is pleased to submit our statement of qualifications for the Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant.

BACKGROUND:

Although N-Y Associates, Inc. is sometimes mistaken for “New York”, N-Y is actually a fifty-three (53) year-old family owned, multi-discipline consulting 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 infrastructure 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 this area.

TEAM:

Constantine F. Nicoladis, PE, will serve as Project Manager. A Vice President and Senior Civil & Hydraulic Engineer, he has thirty-five (35) years of related stormwater management and flood risk reduction experience including detention basins, subsurface drainage improvements, drainage canals, box culverts, utilities relocation and roadway reconstruction, with construction values from under \$5 million to over \$50 million. Mr. Nicoladis has served as Project Manager on almost all of N-Y’s hydraulic modeling and storm water management projects, including recent drainage studies and drainage design.

Bruce J. Richards, AICP, PTP, GIP (Green Infrastructure Professional) will serve as Deputy Project Manager. Mr. Richards is a Vice President of N-Y and the Director of Planning and has over thirty-four (34) years of experience in master plans, land use and transportation planning, feasibility studies, environmental inventories and assessments, environmental impact statements, master plans, and traffic impact studies. He has served as project manager or deputy project manager for more than fifteen (15) feasibility studies and environmental documents completed for Jefferson Parish, RPC and LADOTD by N-Y since 1999.

Mr. Richards has managed numerous Public Engagement programs and has completed both NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making" and the course on Section 106 of the National Preservation Act Offered by the Advisory Council on Historic Preservation in 2002.

Mr. Nicoladis and Mr. Richards will lead a team of highly seasoned professionals, whose average level of experience is over twenty-five (25) years, including James E. Simmons, PE; Fred Mortali, PE; W. Tully Rhodes, PE; Neil Logan, PE; William Haensel, PE, PLS; Lydia Jemison, AICP; Patricia Claverie, EI, MS; and Dennis Voss, NICET. Most of these professionals have been with N-Y over twenty (20) years.

N-Y has significant experience managing and coordinating subconsultants for all required basic and supplemental services. To supplement our in-house staff, we will utilize the following subconsultant firms, each of which have extensive experience working with N-Y and in Jefferson Parish.

- BFM Corporation, LLC, *a Small Business Enterprise*, will provide Topographic Surveying, Servitudes and Rights-of-Way services, including boundary maps and legal descriptions of parcels to be acquired.
- Gulf South Engineering and Testing, Inc., *a Small Disadvantaged Business Enterprise*, will provide Geotechnical Engineering.
- ELOS Environmental, LLC, *a Small Disadvantaged Business Enterprise*, will provide Biological and Environmental Assessments.
- Mathes Brierre will provide Landscape Architecture, Green Infrastructure and BMP. Mathes Brierre is a regional expert in resilient, green streetscape design.

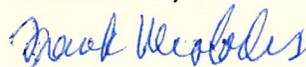
The N-Y Team Organization Chart is provided following this cover letter.

CONCLUSION:

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

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

Sincerely,
N-Y ASSOCIATES, INC.



Frank Nicoladis, PE
President

N-Y TEAM ORGANIZATION CHART



Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant Resolution No. 139147

Principals / Project Oversight
N-Y Associates, Inc.
 Frank Nicoladis, PE
 Michael F. Nicoladis, EI, MBA

Project Management
N-Y Associates, Inc.
 Constantine F. Nicoladis, PE – *Project Manager*
 Bruce Richards, AICP, PTP, GIP – *Deputy Project Manager*

Public Outreach
N-Y Associates, Inc.
 Bruce Richards, AICP, PTP, GIP
 Lydia Jemison, AICP, CFM

Topographic & Hydrographic Surveying
BFM Corporation, LLC
 Ralph Fontcuberta, Jr., PLS
 John Philip Thayer, Field Operations
 Gary Lambert, LSI
 Chris Lemley, Survey Crew Chief

Stormwater Management Planning & Design
N-Y Associates, Inc.
 Constantine F. Nicoladis, PE
 James Simmons, PE
 Fred Mortali, PE
 William Haensel, PE, PLS
 Neil Logan, PE
 Patricia Claverie, EI, MS
 Dennis Voss, NICET

Green Infrastructure Planning and BCA
N-Y Associates, Inc.
 Bruce Richards, AICP, PTP, GIP
 Lydia Jemison, AICP, CFM

Mathes Brierre Architects
 Keith Scarmuzza, RLS, ASLA
 Suzanne B. Herzog, RLA, ASLA

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

H&H Modeling
N-Y Associates, Inc.
 Fred Mortali, PE
 Patricia Claverie, EI, MS

Landscape Architecture, Green Infrastructure & BMP
Mathes Brierre Architects
 E. Will Tregre, II, AIA
 Suzanne B. Herzog, RLA, ASLA

Environmental and Permitting (Biological & Environmental Assessments)
N-Y Associates, Inc.
 Bruce Richards, AICP, PTP, CTP

ELOS Environmental, LLC
 Lucas Watkins, MS
 Brittany Berthelot, MS
 Flynn Daigle, BS
 Brian Fortson, BS



2. N-Y ASSOCIATES, INC.

Prime Consultant

- **TEC Professional Services Questionnaire**

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



A. Project Name and Advertisement Resolution Number:
Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant
Resolution No. 139147

B. Firm Name & Address:
N-Y Associates, Inc.
2750 Lake Villa Drive
Metairie, LA 70002

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

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

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

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

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

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

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

G.	<p>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.</p> <p>N/A</p>		
H.	<p>Has this JOINT-VENTURE previously worked together? Please check:</p> <p>YES <input type="checkbox"/> NO <input type="checkbox"/> N/A</p>		
I.	<p>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.</p>		
	Name and Address:	Specialty:	Worked with Firm Before (Yes or No):
1.	<p>BFM Corporation, LLC 15 Veterans Memorial Boulevard Kenner, LA 70062</p>	<p>Topographic and Hydrographic Surveying</p>	<p>Yes</p>
2.	<p>Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Boulevard Kenner, LA 70062</p>	<p>Geotechnical Engineering</p>	<p>Yes</p>
3.	<p>ELOS Environmental, LLC 43177 E Pleasant Ridge Road Hammond, LA 70403</p>	<p>Biological and Environmental Assessments</p>	<p>Yes</p>
4.	<p>Mathes Brierre Architects 201 St. Charles Avenue, Suite 4100 New Orleans, LA 70170</p>	<p>Landscape Architecture Green Infrastructure Design and BMP</p>	<p>Yes</p>
J.	<p>Please specify the total number of support personnel that may assist in the completion of this Project:</p> <p><u>20</u></p>		

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Constantine F. Nicoladis, PE - Vice President



Project Assignment:

Project Manager / Senior Civil and Hydraulic Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

35 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1985/Vanderbilt University/Civil and Environmental Engineering

Master of Business Administration/1987/Loyola University

Active registration: Year first registered/discipline:

LA (27095)/1997/Civil Engineering MS (13351)/1997/Civil Engineering TX (92359)/2003/Civil Engineering

FL (052242)/1997/Civil Engineering AL (22315)/1998/Civil Engineering NY (094123)/2014/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Nicoladis has 35 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.

Stormwater Management Projects:

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.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA: Engineering Feasibility, H&H 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.

Drainage Improvements at the Clearview/Earhart Expressway Interchange; Jefferson Parish, LA: Engineering Feasibility Study and Concept Plans for a new 160 CFS triplex drainage pump station, a slotted intake drain across Clearview Parkway and detention ponds on the intake side of the pump station, and upgrades to St. Peter's Ditch including a concrete U-flume section.

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.

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.

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.

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.

North Galvez Street (Tennessee Street – Delery Street); New Orleans, LA: The complete reconstruction of approx. 1 mile of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

1077/1085 Drainage Study; St. Tammany Parish, LA: H&H Study of existing conditions and proposed phased improvements for this 12,500-acre area which includes three (3) adjoining watershed areas: East Bedico Creek, Soap & Tallow Creek, and Black River. The proposed improvements would reduce flood inundation and water surface elevations and included six (6) new stormwater detention ponds, enlargement of existing culverts and new culverts.

Tantella Ranch/McGee Road Drainage Report; St. Tammany Parish, LA: H&H Study to evaluate the water surface elevation for a 1,783-acre area including seven (7) outfalls. The purpose of this project was to evaluate the impact and the water surface elevation reduction of a proposed detention pond. The impact of extending an existing channel 2700 feet towards the Tchefuncte River and a proposed culvert addition on Tantella Road was also included in the model.

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 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.

New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvement; New Orleans, LA: The complete reconstruction or cold mill/overlay of 4,400 LF of roadway. The work included new pavement and curb, base, sidewalks, curb ramps and the replacement of all subsurface utilities (drainage, sewer, water).

New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

Improvements to Desire Street (N. Roman Street – Florida Avenue); New Orleans, LA: The complete reconstruction of approx. 3,630 LF of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Infrastructure Planning and Management for the New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC); New Orleans, LA: Inventory and mapping of existing public and private utility systems and the identification of required street closures, relocation of streets, sidewalks and street lighting; abandonment and relocation of existing utility systems and new utility system construction to accommodate the new VAMC & UMC Hospital complex.

Jefferson Avenue Corridor and Covered Canal Improvements (South Claiborne Avenue to Dryades Street); New Orleans, LA: The complete reconstruction of 4400 LF of asphalt roadway and replacement of all subsurface utilities (drainage, sewer, water). A 4400 LF covered reinforced concrete box culvert was installed in the median along Jefferson Avenue and the roadway was replaced on both sides resulting in new dual water, sewer and drainage lines to serve residents on both sides of the street.

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

Improvements to Royal Street (Caffin Avenue – Charbonnet Street); New Orleans, LA: The complete reconstruction of approx. 640 LF of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Revitalization of the Guste Housing Development, LA 1-15; New Orleans, LA: New street infrastructure and public utilities for the redevelopment of an existing 12-acre public housing complex into a new townhouse complex. The work included 15,000 SY of concrete pavement; 6,700 LF of 8" to 12" waterline; 8,000 LF of 8" and 27" sewer lines; and 6,500 LF of 12" to 72" drain lines.

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 (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Constantine Frank Nicoladis		
License/Certificate Type - Number	Expiration Date	
PE.0027095	09/30/2023	
Status:	Active	



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:	
Bruce Richards, AICP, PTP, GIP - Vice President of Planning	
Project Assignment:	
Deputy Project Manager / Green Infrastructure Planning / BCA / Public Outreach	

Name of Firm with which associated:
N-Y Associates, Inc.
Years' experience with this Firm:
23 Years
Education: Degree(s)/Year/Specialization:
Master of City Planning/1989/Georgia Institute of Technology; Bachelor of Arts/1986/Louisiana State University
Active registration: Year first registered/discipline:
1999/LA AICP No. 126106; Professional Transportation Planner No. 613; Green Infrastructure Practitioner No. 974

Other experience and qualifications relevant to the proposed Project:

Mr. Richards offers 34 years planning experience in the areas of feasibility studies, transportation planning, master plans, environmental assessments & impact statements, research and operations studies, traffic impact studies, and noise mitigation. Mr. Richard is a certified Green Infrastructure Practitioner by the National Green Infrastructure Certification Program (NGICP).

Mr. Richards has completed the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making" and the course on Section 106 of the National Preservation Act offered by the Advisory Council on Historic Preservation.

Stormwater Management Projects:

Bucktown Neighborhood Plan; Jefferson Parish, LA: Neighborhood plan to address issues regarding future redevelopment, land use, traffic and recreation. This award-winning plan included a substantial public participation component; coordination with the Parish's overall master planning efforts; and the creation of two new site specific mixed-use zoning districts.

Metairie Road Smart Growth; Jefferson Parish, LA: Lane reconfiguration to permit more pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, the addition of high-visibility crosswalks, new ADA-compliant curb ramps and the use of permeable concrete pavement for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff. The project also includes roadway concrete panel replacement as needed, drainage improvements and an improved bus U-turn.

Site Program, Master Site Plan, and National Register of Historic Places Nomination for Hope Haven Site; Jefferson Parish, LA: Master planning for the redevelopment of the existing 27-acre Hope Haven site on the Parish's west bank. The project includes coordinating and guiding the efforts of a Stakeholder Task Force; developing a conceptual program for the use of existing Hope Haven; property and buildings; developing a master site plan; preparing and conducting public meetings; and completing the National Register of Historic Places Nomination process.

Lafreniere Sub-Area Plan; Jefferson Parish, LA: A sub-area plan for the Lafreniere Park area on the Parish's east bank. The study included research and planning to prepare amendments to the zoning map and zoning text necessary for the economic revitalization and redevelopment of the Lafreniere Park area.

West End Redevelopment, Phases 1 & 2; Orleans & Jefferson Parishes, LA: An award-winning Smart Growth-based redevelopment plan. Phase 1: Land Use and Site Plan Analysis which resulted in a consensus site plan alternative incorporating principles of Smart Growth. Phase 2: Economic Development Study determining the appropriate amount of retail, office, hotel and residential units that can be absorbed within the study area.

Project Management Support for Flood Risk Management Consequence Data for the USACE, New Orleans, District: The collection of performance measure data for approximately 25 FRM projects throughout the MVN area of responsibility, including projects in the feasibility study, design and construction phases. Responsibilities included reviewing existing information for accuracy and researching missing information to provide a complete risk consequence table and producing a fact sheet for each project.

Infrastructure Planning and Management for the New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC); New Orleans, LA: Inventory and mapping of existing public and private utility systems and the identification of required street closures, relocation of streets, sidewalks and street lighting; abandonment and relocation of existing utility systems and new utility system construction to accommodate the new VAMC & UMC Hospital complex.

New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

Land Use and Transportation Visioning Plan 2008; St. Bernard and Plaquemines Parishes: Development of a vision statement and production of a conceptual land use plan and a conceptual major thoroughfare plan for each parish, post-Hurricane Katrina.

Tchoupitoulas Corridor Signage and Striping, Stage 0 Feasibility Study; New Orleans, LA: The identification of all damaged, worn or missing traffic control signage and pavement markings on 4.53 miles of this corridor and the recommendation of improvements to the overall operational safety.

Master Planning for Desire HOPE VI Revitalization; New Orleans, LA: Master planning and engineering for the resubdivision and redevelopment of an existing 98-acre public housing complex into a new residential neighborhood. N-Y developed a two-phase master plan delineating single family housing, multi-family housing, parks and green spaces, and community facilities. The plan also included roadways, traffic, pedestrian plans and transit.

Environmental Assessment Projects:

Environmental Assessment for Florida Avenue Bridge and Expressway; Orleans Parish, LA: Stage 1 Environmental Assessment for a new Florida Avenue Bridge over the Inner Harbor Navigation Canal (IHNC) from Poland/Alvar Streets in Orleans Parish to Paris Road in St. Bernard Parish; 18 fixed span and moveable span bridge alternatives and various corridor plans for roadway widening and interchange alternatives were considered. The EA had a major community outreach effort which included 18 public meetings.

Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA: Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).

Environmental Assessment for LA 3234 Extension (LA 1065 to Hammond Airport); Tangipahoa Parish, LA: Stage 1 Environmental Assessment for extending LA 3234 to the Hammond Northshore Regional Airport to support intermodal connectivity and provide a direct link for vehicular and truck traffic to transit between the airport and I-55.

Environmental Assessment for US 51 (LA 22 to Club Deluxe); Tangipahoa Parish, LA: A Stage 1 Environmental Assessment for added capacity and intersection improvements to US 51.

Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge Parish, LA: Stage 1 Environmental Assessment for improvements and extension of Hooper Road (LA 408). This study included development of alternatives and alternative analyses, concept roadway and bridge plans, a traffic impact study, cost estimates, environmental impact analyses, conceptual relocation plan, and a public participation program.

Environmental Assessment for LA 1088 Interchange, Route I-12; St. Tammany Parish: Environmental Assessment and Design for the addition of a fully directional interchange to I-12 at LA 1088. The project included 6585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway; 8648 LF of single lane ramps; A new 446 LF westbound 2-lane bridge; and drainage.

Environmental Assessment for New Bridge Crossings over the Lower Harvey Canal; Jefferson Parish, LA: Line and Grade Study and an Environmental Assessment (including Concept Engineering Design) for new bridge crossings over the Harvey Canal. A new, double leaf bascule (moveable span) bridge and a new fixed span bridge were evaluated. The moveable span bridge was preferred at this location.

Urban and Land Use Projects:

Planning, Resubdivision & Infrastructure Improvements for the Proposed Redevelopment of the Jefferson Plaza Shopping Center; Jefferson, LA: Site planning, resubdivision and civil engineering services for a proposed condominium development on the former Jefferson Plaza Shopping Center site. N-Y performed: project research, revocation of streets, resubdivision of the site, & concept-level site planning.

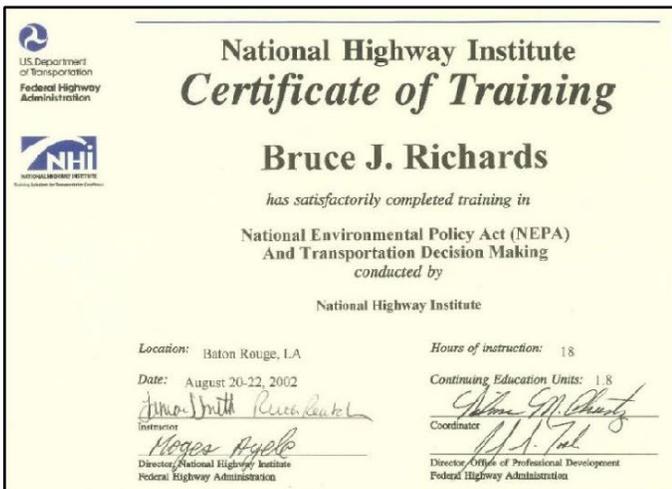
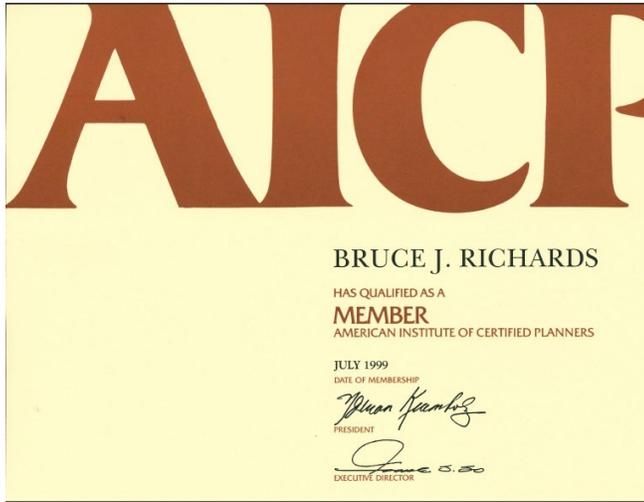
New Orleans Downtown Transit Center Analysis; New Orleans, LA: As a subconsultant to another firm, N-Y is participating in the development, analysis and screening of transit center alternatives, as well as stakeholder and community engagement.

North Slidell Revitalization Plan; St. Tammany Parish, LA: N-Y is developed a revitalization plan to: 1) identify and assess the infrastructure of the study area, as well as existing and future land uses; 2) propose infrastructure improvements and land use solutions that will support the revitalization of the area; and 3) identify potential community amenities and enhancements that will contribute to the sense of community and quality of life for the neighborhood.

Memberships & Associations:

- American Planning Institute
- American Institute of Certified Planners

LICENSURE: BRUCE RICHARDS, AICP, PTP, GIP



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Frank Nicoladis, PE - President

Project Assignment:

Principal and Project Oversight / Civil and Hydraulic Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

53 Years

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Nicoladis has 65 years of experience as a consulting engineer, with 53 years as President of N-Y. He has served as the Principal-in-Charge for N-Y's projects undertaken for public agencies at the federal, state, and local levels. His primary role is to ensure that the client's expectations of the firm are fully achieved. His primary concerns are seeing 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.

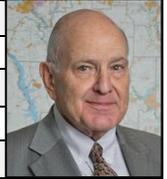
Stormwater Management Projects:

Metairie Road Smart Growth; Jefferson Parish, LA: Lane reconfiguration to permit more pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, the addition of high-visibility crosswalks, new ADA-compliant curb ramps and the use of permeable concrete pavement for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff.

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Hydrologic and Hydraulic Modeling and Analysis for the East Baton Rouge Flood Risk Management Project for the USACE, New Orleans, District: H&H Modeling of existing conditions and proposed improvements of the basins, channels and channel improvements for the East Baton Rouge Flood Risk Management Project which includes three (3) basins within the Amite River watershed: Blackwater Bayou, Jones Creek and Ward Creek. The purpose of this project is to reduce the extent of flooding in the three basins.

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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.

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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.

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.

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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 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.

Project Management Support for Flood Risk Management Consequence Data for the USACE, New Orleans, District: The collection of performance measure data for approximately 25 FRM projects throughout the MVN area of responsibility, including projects in the feasibility study, design and construction phases. Responsibilities included reviewing existing information for accuracy and researching missing information to provide a complete risk consequence table and producing a fact sheet for each project.

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New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

North Galvez Street (Tennessee Street – Delery Street); New Orleans, LA: The complete reconstruction of approx. 1 mile of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Improvements to France Road (Hayne Boulevard to US 90/Chef Menteur Highway); New Orleans, LA: The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.

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.

Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): The complete reconstruction of 4400 LF of asphalt roadway and replacement of all subsurface utilities (drainage, sewer, water). A 4400 LF covered reinforced concrete box culvert was installed in the median along Jefferson Avenue and the roadway was replaced on both sides.

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

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)



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Mr. Frank Nicoladis

License/Certificate Type - Number

Expiration Date

PE.0005924

03/31/2023

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Michael F. Nicoladis, EI, MBA - Senior Vice President



Project Assignment:

Principal / Project Management

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

38 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 Senior Vice President, he is responsible for overseeing the daily operations and administration of N-Y. He is instrumental in new business development, contract negotiations, and scheduling of work. Mr. Nicoladis also serves as a Principal on many projects and plays a major role in overseeing the firm's client management program.

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Metairie Road Smart Growth; Jefferson Parish, LA: Lane reconfiguration to permit more pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, the addition of high-visibility crosswalks, new ADA-compliant curb ramps and the use of permeable concrete pavement for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff. The project also includes roadway concrete panel replacement as needed, drainage improvements and an improved bus U-turn.

Bucktown Neighborhood Plan; Jefferson Parish, LA: Neighborhood plan to address issues regarding future redevelopment, land use, traffic and recreation. This award-winning plan included a substantial public participation component; coordination with the Parish's overall master planning efforts; and the creation of two new site specific mixed-use zoning districts.

Site Program, Master Site Plan, and National Register of Historic Places Nomination for Hope Haven Site; Jefferson Parish, LA: Master planning for the redevelopment of the existing 27-acre Hope Haven site on the Parish's west bank. The project includes coordinating and guiding the efforts of a Stakeholder Task Force; developing a conceptual program for the use of existing Hope Haven; property and buildings; developing a master site plan; preparing and conducting public meetings; and completing the National Register of Historic Places Nomination process.

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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)



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Mr. Michael F. Nicoladis

License/Certificate Type - Number

EI.0008705

Expiration Date

09/30/2023

Status: **Active**



Jefferson
Parish
State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Lydia Z. Jemison, AICP, CFM – Planner



Project Assignment:

Green Infrastructure Planning / BCA / Public Outreach

Name of Firm with which associated:

N-Y Associates, Inc. (contract consultant)

Years' experience with this Firm:

15 Years

Education: Degree(s)/Year/Specialization:

Master of Urban and Regional/1988

Active registration: Year first registered/discipline:

AICP No. 016414; Certified Floodplain Manager (CFM) No. US-11-05811

Other experience and qualifications relevant to the proposed Project:

Ms. Jemison has 40 years of experience in Urban and Transportation Planning including environmental impact statements and environmental assessments; site and master planning; land use planning and zoning recommendations; economic development studies; community outreach programs; research operations studies and grant applications for capital improvements. She also has extensive experience working on NEPA transportation planning projects.

Ms. Jemison's experience includes 15 years in the Jefferson Parish Planning Department focused on zoning districts aimed at neighborhood preservation and introducing design, landscaping and sign standards to improve the quality of development in major corridors. She also led the team that created and administered the Mixed-Use Corridor District, Commercial Parkway Overlay Zone and the Old Metairie Neighborhood Conservation District.

Ms. Jemison also served on the Jefferson Parish Planning Advisory Board for 8 years, and was Chairman for 5 years. In this role she conducted hundreds of public hearings on master planning, land use, zoning and site plan review working with civic associations, businesses, other agencies and elected officials to resolve development issues.

Stormwater Management Projects:

Bucktown Neighborhood Plan; Jefferson Parish, LA: Neighborhood plan to address issues regarding future redevelopment, land use, traffic and recreation. This award-winning plan included a substantial public participation component; coordination with the Parish's overall master planning efforts; and the creation of two new site specific mixed-use zoning districts.

Amendments to the Zoning Map and Zoning Text for Implementation of the Lafreniere Sub-Area Plan; Jefferson Parish, LA: Preparation of amendments to the zoning map and zoning text necessary for the economic revitalization and redevelopment of the Lafreniere Park area. N-Y's tasks include: Task Force and Public Participation Meetings; Development of recommendations for zoning and future land use map changes; and Development of recommendations for Sign Regulations and Standards.

West End Redevelopment, Phases 1 & 2; Orleans & Jefferson Parishes, LA: An award-winning Smart Growth-based redevelopment plan. Phase 1: Land Use and Site Plan Analysis which resulted in a consensus site plan alternative incorporating principles of Smart Growth. Phase 2: Economic Development Study determining the appropriate amount of retail, office, hotel and residential units that can be absorbed within the study area.

New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

Land Use and Transportation Visioning Plan 2008; St. Bernard and Plaquemines Parishes: Development of a vision statement and production of a conceptual land use plan and a conceptual major thoroughfare plan for each parish, post-Hurricane Katrina.

➤ **With Other Firms**

Paul Maillard Corridor Revitalization Plan; St. Charles Parish, LA: A corridor revitalization plan to revive an existing state highway (LA Hwy 52) and the surrounding rural neighborhoods. Ms. Jemison was responsible for establishing a framework for zoning, development regulations, blight eradication, permitting policies and identify amendments to local codes. Throughout the course of the study she supported community workshops, executive committee meetings and other public outreach efforts while completing an overlay zone to introduce main street-type design, architectural, landscape and sign control standards to improve conditions and increase property values in the corridor. (subconsultant)

Claiborne Cultural Innovation District; New Orleans, LA: Master Plan of a portion of Claiborne Avenue that lies beneath I-10. Ms. Jemison assisted in identifying planning issues and impacts on surrounding urban historic neighborhoods, analyzing land use and zoning, engaging in stakeholder outreach, and developing design alternatives meeting the project's goals and objectives for the purposes of re-invigorating the corridor, improving function and visual appeal, and bringing back a sense of place. (subconsultant)

Gretna Sign Reform Ordinance; Gretna, LA: The comprehensive review of the Gretna's municipal sign code. The resulting Gretna Sign Reform Ordinance is a model approach to sign control and regulation in an urban historic city. The effort evolved over a year of focused technical research combined with an engaged process for citizens, business owners and the leaders of Gretna.

Jefferson Parish Bicycle Master Plan; Jefferson Parish, LA: Citizen and technical engagement and review and revision of the final plan. Ms. Jemison assisted the study team in identifying potential routes, recreational trails and boulevards to develop bicycle connectivity throughout this large suburban parish. Prior to the adoption of the completed Jefferson Parish Bicycle Master Plan, the parish did not have sufficient bike routes to match public demand. (subconsultant)

Port of New Orleans Master Plan Update; New Orleans, LA: Ms. Jemison assisted in updating the existing port master plan, which she had previously prepared in 2008. In phase 1 of the update, Ms. Jemison conducted an asset evaluation of the 22 linear miles of the port's existing facilities including the current use and type of structure, adjacent land use, environmental and transportation constraints, cargo throughput, access by transportation modes (marine, rail and highway) and a qualitative assessment of the general condition of each facility. (subconsultant)

Environmental Assessment Projects:

➤ With N-Y

Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA: Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).

Environmental Assessment for US 51 (LA 22 to Club Deluxe); Tangipahoa Parish, LA: A Stage 1 Environmental Assessment for added capacity and intersection improvements to US 51.

Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge Parish, LA: Stage 1 Environmental Assessment for improvements and extension of Hooper Road (LA 408). This study included development of alternatives and alternative analyses, concept roadway and bridge plans, a traffic impact study, cost estimates, environmental impact analyses, conceptual relocation plan, and a public participation program.

East-West Corridor Multi-Modal Environmental Impact Statement; Orleans, Jefferson and St. Charles Parishes, LA: An Environmental Impact Statement of the build alternatives for this multi-modal transit and highway corridor. The project consists of identifying transit and highway alternatives within the area bounded by I-310, the New Orleans Union Passenger Terminal, I-10 and the Mississippi River within the metropolitan New Orleans area. N-Y's work included the development of Airline Highway widening alternatives (6 & 8 lane) and new at-grade and elevated expressway alternatives (6 & 8 lanes with 4-lane service roads) to alleviate congestion in a 7-mile corridor in Jefferson and St. Charles Parishes.

Memberships & Associations:

- American Planning Institute
- American Institute of Certified Planners
- Association of State Floodplain Managers

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:
Fred Charles Mortali, PE – Civil Engineer



Project Assignment:
Civil and Hydraulic Engineer / Hydrologic & Hydraulic (H&H) Modeling

Name of Firm with which associated:
N-Y Associates, Inc.

Years' experience with this Firm:
13 Years

Education: Degree(s)/Year/Specialization:
Bachelor of Civil Engineering/1989/University of Toledo/Civil Engineering

Active registration: Year first registered/discipline:
LA (35111)/2010/Civil Engineering MS (20103)/2011/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Mortali's 29 years of experience includes the design of various types of civil engineering projects including storm drainage, flood control, water, wastewater, and street projects, including particular expertise in drainage studies and H&H modeling.

Stormwater Management Projects:

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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.

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of the reconstruction of approx. 700 LF of eastbound and westbound W. Esplanade Avenue and the installation 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 stormflow in the Duncan Canal.

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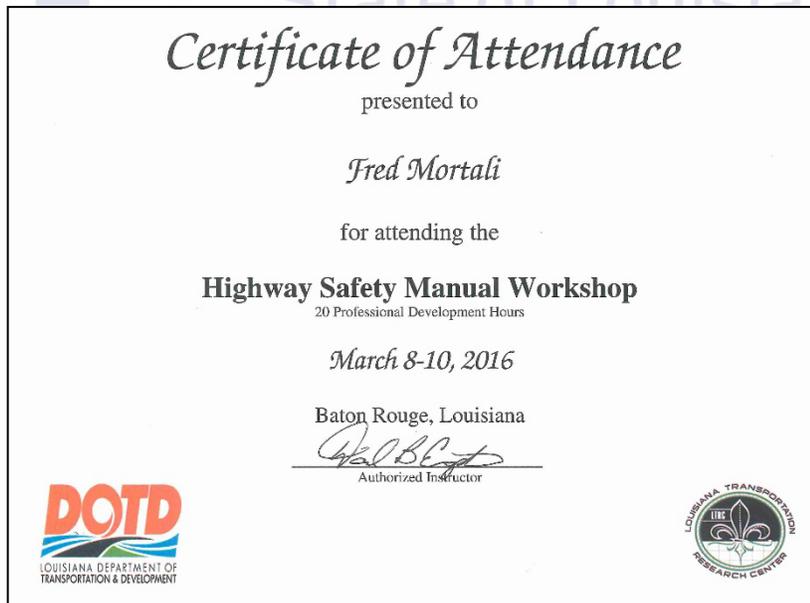
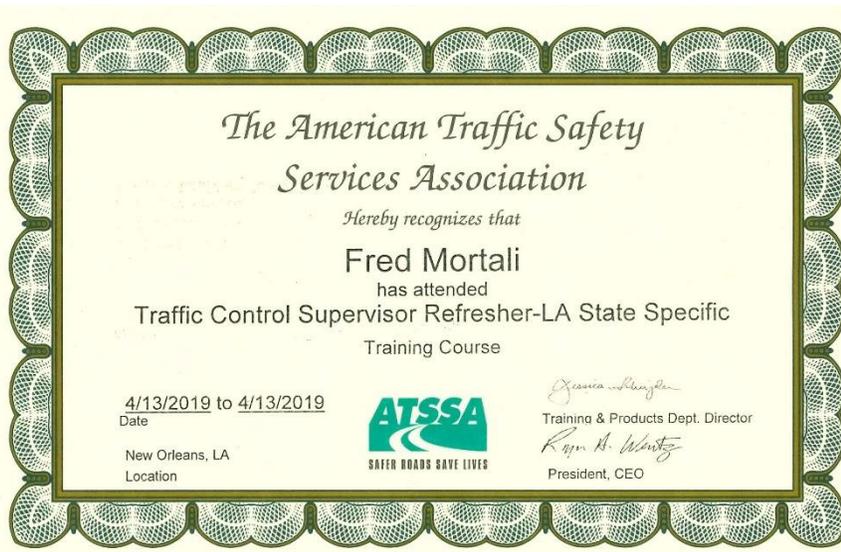
LICENSURE/CERTIFICATIONS: FRED MORTALI, PE



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Mr. Fred Charles Mortali

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PE.0035111 **03/31/2024**
Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

W. Tully Rhodes, PE – Civil Engineer

Project Assignment:

Senior Civil and Hydraulic Engineer / H&H Modeler

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

18 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1976/Mississippi State University/Civil Engineering

Master of Science/1977/Mississippi State University/Environmental Engineering

Active registration: Year first registered/discipline:

LA (19885)/1984/Civil Engineering MS (8055)/1980/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Rhodes is a senior civil and hydraulic engineer with 43 years of experience. His project experience includes work as a project engineer, city engineer, project manager and service area manager. He has been in responsible charge of street, drainage, water and wastewater projects for over 30 years.

Stormwater Management Projects:

Turkey Creek Drainage Analysis; Gulfport, MS: HEC-RAS modeling of a reach of Turkey Creek in Gulfport, MS for the purpose of assessing the impact of flood stage water level on the efficiency of the existing municipal drainage system.

Bayou Bernard Subdivision Design; Gulfport, MS: HEC-RAS modeling of a reach of Bayou Bernard in Gulfport, MS for the purpose of generating a "No Rise" certification related to filling and grading for subdivision design and construction.

Riverwalk Subdivision Design; D'Iberville, MS: HEC-RAS modeling of a reach of the Tchoutacabouffa River in D'Iberville, MS for the purpose of generating a "No Rise" certification related to filling and grading for subdivision design and construction.

Washington Avenue Relocation; Harrison County, MS: Watershed analysis for the Washington Avenue area using Storm Water Management Model (SWMM). This work was associated with the design of the municipal drainage system associated with the relocation of Washington Avenue.

Jackson County Drainage Improvements, Districts No. 1 & 2 for the Natural Resources Conservation Service; Jackson County, MS: Canal clearing including debris and sediment removal from 2 miles of drainage canals in Moss Point and 4 miles of the Cold Springs Road A ditch. (subconsultant)

New Drainage for Elder/Main Area; Biloxi, MS: Design, Bidding and Construction Administration for drainage improvements. This project included 2,341 LF of 12" to 36" reinforced concrete pipe.

Levee Periodic Inspection for Non-Federal Levee Systems in Terrebonne Parish, LA: Levee Safety Inspections for approx. 47 miles of levee and 11 environmental control structures including 22 sluice gates.

Reconstruction of Pine Grove Street and Briarfield Avenue, Phases I and II; Biloxi, MS: Phase I – Design, Bidding and Construction Administration including removal and replacement of 2,050 LF pavement, reinforced concrete drainage pipe, manholes, sidewalks, sewerlines, waterlines, hydrants and driveways. Phase II – Design, Bidding and Construction Administration including removal and replacement of 1950 LF of pavement, reinforced concrete drainage pipe, manholes, sidewalks, sewerline, waterlines, hydrants and driveways.

North Biloxi Infrastructure Repair Program, Area 2, Phase 5; Biloxi, MS: FEMA funded Hurricane Katrina damage repairs to approximately 6700 LF of city streets including pavement replacement & the replacement of sewer lines, waterlines, and storm drainage lines.

Reconstruction of Lee Street; Biloxi, MS: Design, Bidding and Construction Administration for street reconstruction including new water, sewage and drainage utilities.

Reconstruction of Lily Lane (including Copp, Payton, Jefferson, and Estes Boulevards); Biloxi, MS: Design, Bidding and Construction Administration for street reconstruction including new water, sewage and drainage utilities.

Easterbrook/St. John Drainage Project; Bay St. Louis, MS: This project included approx. 1500' of storm drains on Easterbrook Street from St. Francis Street to St. John Street & approx. 1500' of storm drains on St. John Street.

Memberships & Associations:

- American Society of Civil Engineers





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Mr. William Tully Rhodes

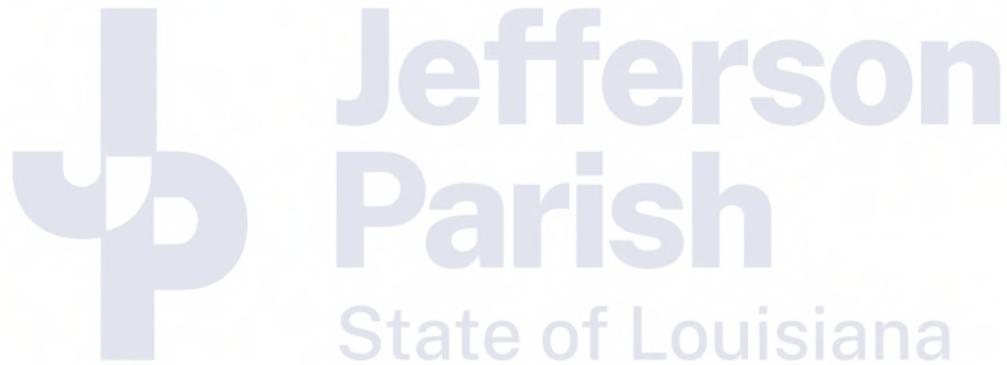
License/Certificate Type - Number

PE.0019885

Expiration Date

09/30/2023

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:	
James E. Simmons, PE - Vice President	
Project Assignment:	

Senior Civil and Structural Engineer
Name of Firm with which associated:
N-Y Associates, Inc.
Years' experience with this Firm:
28 Years

Education: Degree(s)/Year/Specialization:
Bachelor of Science/1977/Louisiana State University/Civil Engineering

Active registration: Year first registered/discipline:
LA (19891)/1981/Civil Engineering MS (10842)/1990/Civil Engineering TX (92359)/2003/Civil Engineering FL (39890)/1988/Civil Engineering NY (094047)/2014/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Simmons has 45 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.

Stormwater Management Projects:

Metairie Road Smart Growth; Jefferson Parish, LA: Lane reconfiguration to permit more pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, the addition of high-visibility crosswalks, new ADA-compliant curb ramps and the use of permeable concrete pavement for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff. The project also includes roadway concrete panel replacement as needed, drainage improvements and an improved bus U-turn.

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 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** and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD District 08, 58 and 05.

Hydrologic and Hydraulic Modeling and Analysis for East Baton Rouge Flood Risk Management Project: H&H Modeling, utilizing HEC-RAS 2D, of existing conditions and proposed improvements of the basins, channels and channel improvements of three (3) basins within the Amite River watershed: Blackwater Bayou, Jones Creek and Ward Creek; to reduce the extent of flooding in the three basins.

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.

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 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.

Project Management Support for Flood Risk Management Consequence Data for the USACE, New Orleans, District: The collection of performance measure data for approximately 25 FRM projects throughout the MVN area of responsibility, including projects in the feasibility study, design and construction phases. Responsibilities included reviewing existing information for accuracy and researching missing information to provide a complete risk consequence table and producing a fact sheet for each project.

Infrastructure Planning and Management for the New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC); New Orleans, LA: Inventory and mapping of existing public and private utility systems and the identification of required street closures, relocation of streets, sidewalks and street lighting; abandonment and relocation of existing utility systems and new utility system construction to accommodate the new VAMC & UMC Hospital complex.

New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

North Galvez Street (Tennessee Street – Delery Street); New Orleans, LA: The complete reconstruction of approx. 1 mile of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Improvements to France Road (Hayne Boulevard to US 90/Chef Menteur Highway); New Orleans, LA: The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.

Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): The complete reconstruction of 4400 LF of asphalt roadway and replacement of all subsurface utilities (drainage, sewer, water). A 4400 LF covered reinforced concrete box culvert was installed in the median along Jefferson Avenue and the roadway was replaced on both sides resulting in new dual water, sewer and drainage lines to serve residents on both sides of the street.

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).

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.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA: Engineering Feasibility, H&H 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.

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.

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

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.

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

Memberships & Associations:

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

LICENSURE/CERTIFICATIONS: JAMES SIMMONS, PE

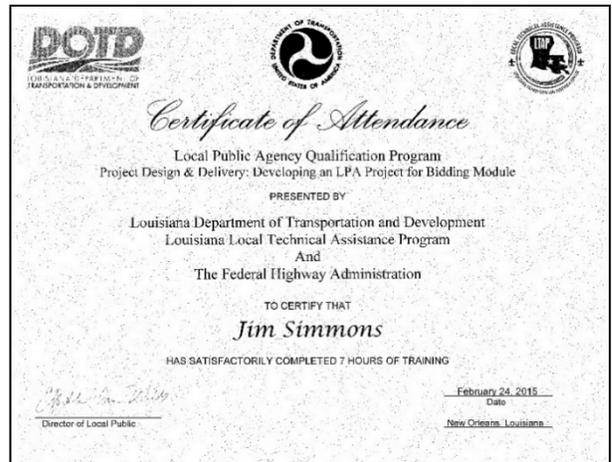
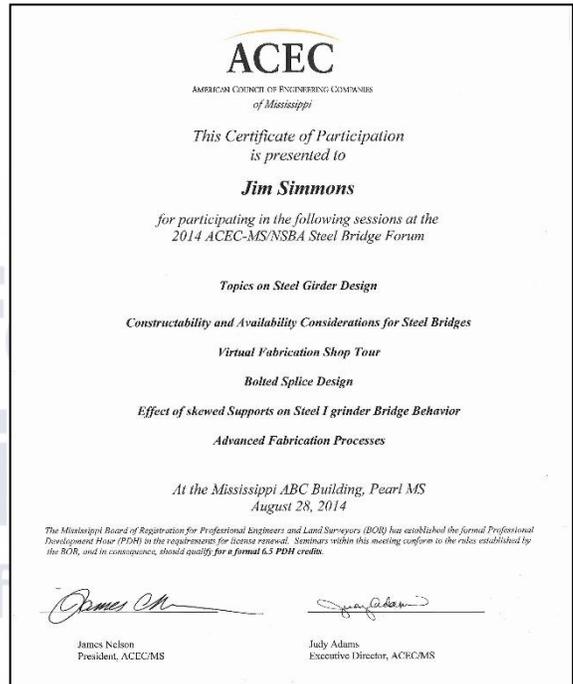
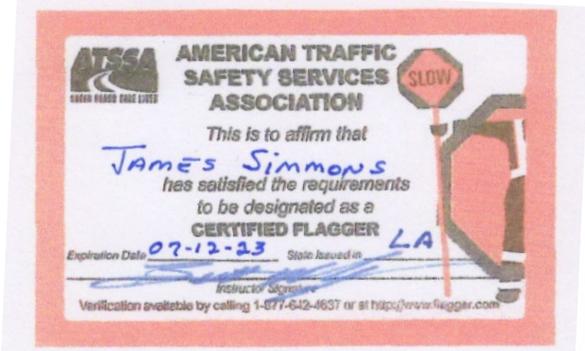
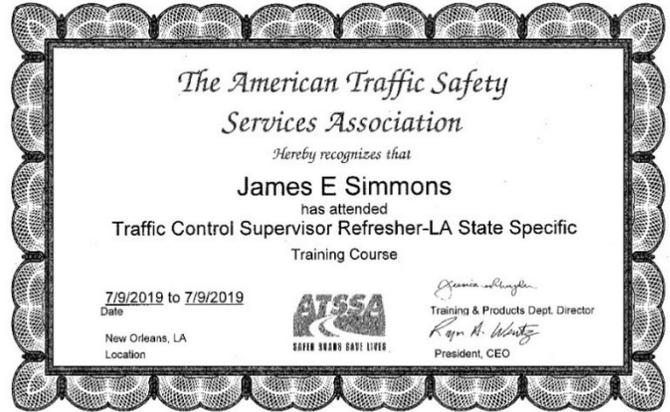


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Mr. James E. Simmons

License/Certificate Type - Number Expiration Date
PE.0019891 09/30/2023

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William Haensel, PE, PLS – Senior Civil Engineer



Project Assignment:

Senior Civil Engineer

Name of Firm with which associated:

N-Y Associates, Inc. (contract consultant)

Years' experience with this Firm:

2 Years / 53 years with Other Firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1968 / Civil Engineering

Master of Science Studies / 1968-1974 / Civil Engineering

Active registration: Year first registered/discipline:

LA (13375)/1972/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

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.

Stormwater Management Experience:

> With N-Y

Replacement of 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

LICENSURE/CERTIFICATIONS: WILLIAM HAENSEL, PE, PLS

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

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

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Neil D. Logan, PE – Civil & Structural Engineer



Project Assignment:

Senior Civil and Structural Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

41 Years (contract consultant since 2003)

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1961/Purdue University/Civil Engineering

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Logan has 61 years of engineering experience in the design and construction of flood and surge control projects. His work has included the structural design of floodwalls, drainage pumping stations, levees, and gated flood control structures.

Stormwater Management Projects:

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.

Florida Avenue Bridge; Orleans and St. Bernard Parishes, LA: Preliminary and Final Roadway and Bridge Plans (70%) for a 9,000 foot long, high-level bridge over the IHNC, with a vertical clearance of 156 feet above high water, composed of pre-stressed concrete girder spans and composite steel spans with reinforced concrete bents as well as curved steel girders. The project included the design of intersection improvements, as well as improving all at-grade streets and utility relocations. This included the design for reconstructing 9.2 miles of roadway.

Eastbound West Metairie Replacement Bridge over the Soniat Canal; Jefferson Parish, LA: Design of this bridge replacement project to elevate the bridge above floodwaters. The forty-foot spans are 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. The deck slab is 8 inches thick with 1/2 inch of sacrificial concrete on the riding surface. Expanded Polystyrene, weighing two pounds per cubic foot, was used instead of earth fill on the footings of the end bents.

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: A new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers. The new station was built adjacent to the existing station and was designed to USACE standards.

Lapalco Bridge Overpass of Bayou Segnette; Jefferson Parish, LA: Design of the repair and maintenance of this 40-year-old structure. Bent movements had resulted in excessive joint width, broken anchor bolts and downward movement of the curtain wall. Mr. Logan suggested that the curtain wall panels be moved to their original position and supported by galvanized steel angles.

Bayou Segnette Complex Flood Protection - Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA for the USACE: The replacement of existing flood protection from Bayou Segnette Pump Station to Westwego Pump Station No. 2 with new protection which includes a 56' wide navigable sector gate crossing Bayou Segnette and a combination of 1600 LF of concrete T-walls and 800 LF of earthen levees.

Lake Cataouatche Hurricane Protection Levee; Jefferson and St. Charles Parish, LA: 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.

Willowdale Drainage Pump Station; St. Charles Parish, LA: A new 525 cfs drainage pumping station including three, 175 cfs vertical pumps. The pump station is located at the 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.

Canal No. 3 Drainage Improvements and Replacement Bridge; 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. The project included a 34'w x 250'l, 2-lane replacement vehicular bridge designed to minimize obstructions to flow and to allow raising the bridge profile for a 100 year flood.

Memberships & Associations:

- American Society of Civil Engineers



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Mr. Neil D. Logan

License/Certificate Type - Number	Expiration Date
PE.0014607	03/31/2023
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:

1 Years / 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 22 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.

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.

Master Drainage Plan for Sewerage and Water Board of New Orleans: The project included providing modeling services using PCSWMM for the Master Drainage Plan Study for the entire area of New Orleans served by the Sewerage and Water Board. The study's purpose was to evaluate the existing drainage system to determine its current capacity, flag all deficiencies, develop plans of improvements to a 10-year design level, and to make budgetary estimates of costs and project these costs over a period of 50-years. 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.

Stormwater Management Experience:

➤ **With N-Y**

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 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.

➤ **With Other Firms**

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

Grays Creek, Livingston Parish, LA: Grays Creek is one of the major floodways within the Parish. Grays Creek flows southeastward into the Amite River immediately above Port Vincent. Ms. Claverie was responsible for preparing a Drainage Study for Grays Creek from Florida Boulevard (Hwy 190) to Interstate-12 in Livingston Parish. The purpose of the drainage study was to provide Livingston Parish with guidance in planning drainage infrastructure to meet the needs of the Parish. To do so the volume of runoff from Grays Creek drainage basin from Florida Boulevard (Hwy 190) to Interstate-12 was quantified for a the 2-year, 5-year, 10-year, 25-year, 50-year, and 100-year rain events. 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. Recommendations for the drainage improvements and for further study downstream were made.

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.

City of Lumberton Drainage Study, Lumberton, TX: This project consisted of a city-wide Comprehensive Drainage Study (CDS), as well as the construction of two detention ponds and the acquisition of 21,200 linear feet of drainage easements along existing outfall channels. Ms. Claverie developed a **hydraulic model using HEC-RAS software to design the detention ponds for two of the six drainage basins.** The results of the HEC-RAS model helped identify improvements to all six of the drainage basins.

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.

Sewage Collection, Pumping and Treatment:

S&WBNO SSERP Sewer Collection System Hydraulic Model, New Orleans, LA: The project included modeling services using InfoWorks CS for the entire sewerage collection system of the East Bank and West Bank of New Orleans served by the Sewerage and Water Board. The study's purpose is to update the existing drainage systems with new data sets, calibrate and validate the model, run the model for Dry and Wet Weather flows, to identify any observed deficiencies in the collection system and to make budgetary estimates of costs. Ms. Claverie was responsible for updating the sewer model using InfoWorks CS for the existing conditions and proposed improvements for both East Bank and West Bank. She also created ArcGIS maps for the entire service area using ESRI ArcMap.

Wastewater Collection System Modeling, Jefferson Parish, LA: Ms. Claverie updated the data in the ArcView shape files of the collection system based on as-builts, field data of manholes, and data acquired with GPS equipment. She analyzed the data from inspections and capacity tests on numerous lift stations and created a hydraulic model using InfoWorks of the entire collection system to identify causes of inflow and infiltration using InfoWorks software and provided specific recommendations for the required improvements based on the modeling results.

Levee 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 & Bonabel 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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Phone (225) 925-6291
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Ms. Patricia Renee' Claverie

License/Certificate Type - Number

Expiration Date

EI.0019340

09/30/2022

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:
48 Years

Education: Degree(s)/Year/Specialization:
Associate Degree/1968/Delgado Junior College/Engineering Technology
2 years, Engineering Studies/1962-1965/University of New Orleans

Active registration: Year first registered/discipline:
National Institute for Certification in Engineering Technology (54584)/1976/Engineering Technician, Level IV

Other experience and qualifications relevant to the proposed Project:

Stormwater Management Projects:

Metairie Road Smart Growth; Jefferson Parish, LA: Lane reconfiguration to permit more pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, the addition of high-visibility crosswalks, new ADA-compliant curb ramps and the use of permeable concrete pavement for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff. The project also includes roadway concrete panel replacement as needed, drainage improvements and an improved bus U-turn.

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.

Drainage Improvements at the Clearview/Earhart Expressway Interchange; Jefferson Parish, LA: Engineering Feasibility Study and Concept Plans for a new 160 CFS triplex drainage pump station, a slotted intake drain across Clearview Parkway and detention ponds on the intake side of the pump station, and upgrades to St. Peter's Ditch including a concrete U-flume section.

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

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

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

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

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

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).

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.

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.

New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvement; New Orleans, LA: The complete reconstruction or cold mill/overlay of 4,400 LF of roadway. The work included new pavement and curb, base, sidewalks, curb ramps and the replacement of all subsurface utilities (drainage, sewer, water).

1077/1085 Drainage Study; St. Tammany Parish, LA: H&H Study of existing conditions and proposed phased improvements for this 12,500-acre area which includes three (3) adjoining watershed areas (East Bedico Creek, Soap & Tallow Creek, and Black River). The proposed improvements would reduce flood inundation and water surface elevations and included six (6) new stormwater detention ponds, enlargement of existing culverts and new culverts.

Infrastructure Planning and Management for the New Veterans Administration Medical Center (VAMC) and University Medical Center (UMC); New Orleans, LA: Inventory and mapping of existing public and private utility systems and the identification of required street closures, relocation of streets, sidewalks and street lighting; abandonment and relocation of existing utility systems and new utility system construction to accommodate the new VAMC & UMC Hospital complex.

New Orleans Medical District Land Use, Transportation and Infrastructure Master Plan; New Orleans, LA: Master Planning for the redevelopment of the Medical District, post-Hurricane Katrina, including facilitation of a Project Advisory committee, community outreach, a comprehensive asset inventory of District infrastructure, a plan for transportation network integration and a Land Use study and plan that included an urban design vision for the district.

North Galvez Street (Tennessee Street – Delery Street); New Orleans, LA: The complete reconstruction of approx. 1 mile of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Improvements to France Road (Hayne Boulevard to US 90/Chef Menteur Highway); New Orleans, LA: The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.

Jefferson Avenue Corridor and Covered Canal Improvements (South Claiborne Avenue to Dryades Street); New Orleans, LA: The complete reconstruction of 4400 LF of asphalt roadway and replacement of all subsurface utilities (drainage, sewer, water). A 4400 LF covered reinforced concrete box culvert was installed in the median along Jefferson Avenue and the roadway was replaced on both sides.

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

Improvements to Desire Street (N. Roman Street – Florida Avenue); New Orleans, LA: The complete reconstruction of approx. 3,630 LF of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

Improvements to Royal Street (Caffin Avenue – Charbonnet Street); New Orleans, LA: The complete reconstruction of approx. 640 LF of roadway. The work included new concrete pavement and curb, crushed stone base course, sidewalks, driveways, curb ramps and replacement of all subsurface utilities (drainage, sewer and water).

New US 61 Highway Bridges and Bypass Road; East Baton Rouge Parish, LA: New northbound and southbound highway bridges, each having two, 12' travel lanes, a 6' inside shoulder, a 10' outside shoulder and a design speed of 65 mph. The project also included an accompanying bypass Road, a portion of the diversion channel, the relocation of Barnett Road and all required area drainage.

SELA-74 – Donner Canal (Algiers Outfall Canal to Pump Station #13); Algiers, LA: Improvements to an existing 5600 LF earthen section of Donner Canal. Segment A includes design of a 2100 LF, 52' wide concrete flume. Segment B includes evaluation of a 2500 LF, 108' bottom width earthen canal, and a 52' wide or 60' wide concrete flume and design of the selected alternative. Segment C includes design of a 970 LF, 100' bottom width widening & deepening of existing earthen channel.

Memberships & Associations:

- American Society of Certified Engineering Technicians



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IN ENGINEERING TECHNOLOGIES®**

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BE IT KNOWN THAT

Dennis G. Voss Sr.

IS HEREBY AWARDED CERTIFICATION AT

Senior Engineering Technician

IN CIVIL ENGINEERING TECHNOLOGY

**BASED UPON SUCCESSFUL DEMONSTRATION OF REQUISITE KNOWLEDGE,
EXPERIENCE AND WORK PERFORMANCE AS SET FORTH BY THIS INSTITUTE.**

Certification Valid Through 12/01/2023

CERTIFICATION NUMBER 54584

CHAIRMAN OF THE NICET BOARD OF GOVERNORS

A DIVISION OF THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

Certificate of Attendance

presented to

Dennis Voss

for attending the

Roundabout Design Workshop

Level 1

and for having been awarded 12 Professional Developmental Hours

October 14-15, 2008

Baton Rouge, Louisiana

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:	
2 Year / 20 Years with Other Firms	
Education: Degree(s)/Year/Specialization:	
Associate of Science/Computer-Aided Drafting	
Active registration: Year first registered/discipline:	
N/A	

Other experience and qualifications relevant to the proposed Project:

<p>Stormwater Management Projects:</p> <p>➤ With N-Y</p> <p>Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA: A new alignment of approx. 1 mile of Carney Road and a new 3-span bridge crossing Bayou Baton Rouge using LADTOD LG girders. The new roadway and bridge will both include two, 11' travel lanes and 8' shoulders/bicycle lanes meeting East Baton Rouge's Complete Streets requirements.</p> <p>Improvements to France Road (Hayne Boulevard to US 90/Chef Menteur Highway); New Orleans, LA: The full reconstruction of 1.5 miles of roadway from two, 10' lanes to two, 11' lanes with 4' shoulders. A portion of the roadway was also raised to minimize potential periodic flooding.</p> <p>West Shore Lake Pontchartrain, WSLP-109, Levees and Floodwalls; St. John the Baptist Parish, LA: 5580 LF of new levee, 280 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 15' high designed to current HSDRRS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.</p> <p>WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees and 1840 LF of new floodwalls (T-walls up to 27' high) to current HSDRSS criteria associated with the following 4 West Shore project.</p> <p>Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24-foot, 16 foot and 12-foot clear width, gutter to gutter. The bridges are being designed for an AASHTO HS20 truck load (HL-93 loading).</p>	<p>Other Experience:</p> <p>➤ With N-Y</p> <p>Jefferson Parish Water System Assessment; Jefferson Parish, LA: An assessment of the Jefferson Parish water system to prioritize projects for replacement of critical water pipeline infrastructure. The assessment will provide actionable recommendations for pipe renewal and will serve as the foundation for an improved waterline evaluation, renewal and management system.</p> <p>➤ With Other Firms</p> <p>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.</p> <p>HMGP Elevation of Parish Roads, Coast Guard Road; Plaquemines Parish, LA: CAD drawings for the proposed 2-foot elevation and stabilization for Coast Guard Road using AutoCAD Civil 3D and Storm & Sanitary Analysis software from surveys, shapefiles, parcels and Hydrologic & Hydraulic (H&H Studies). Mr. LeMay also worked on creating a proposed gravity pipe network for stormwater improvements.</p> <p>Viola Street Widening; St. Tammany Parish, LA: CAD drawings for the street milling, overlay and widening of lanes throughout Viola Street in St. Tammany Parish.</p> <p>Concrete Pavement Repair and Replacement; St. Bernard Parish, LA: CAD drawings from hand sketches, field notes and manufacturer specs. Mr. LeMay assisted in the design and construction of Portland cement concrete pavement repairs in the Chalmette Vista and Buccaneer Villa neighborhoods of St. Bernard Parish.</p>
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KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:



Name & Title:	Noah Jackson, CADD
Project Assignment:	Senior CADD Technician
Name of Firm with which associated:	N-Y Associates, Inc.
Years' experience with this Firm:	4 Years / 19 Years with Other Firms
Education: Degree(s)/Year/Specialization:	Associates Degree/1985/Engineering Technology
Active registration: Year first registered/discipline:	N/A

Other experience and qualifications relevant to the proposed Project:

<p>Stormwater Management Projects:</p> <p>Replacement of 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 and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD District 08, 58 and 05.</p> <p>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.</p> <p>WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees and 1840 LF of new floodwalls (T-walls up to 27' high) to current HSDRSS criteria associated with the following 4 West Shore project.</p> <p>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.</p> <p>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.</p>	<p>Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24-foot, 16 foot and 12 foot clear width, gutter to gutter. The bridges are being designed for an AASHTO HS20 truck load (HL-93 loading).</p> <p>Other Experience:</p> <p>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.</p> <p>Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA: A new alignment of approx. 1 mile of Carney Road and a new 3-span bridge crossing Bayou Baton Rouge using 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.</p> <p>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.</p>
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L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

**Bucktown Neighborhood Plan
Jefferson Parish, LA**

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

Contact:
Bess Martin, Director
(504) 736-6320

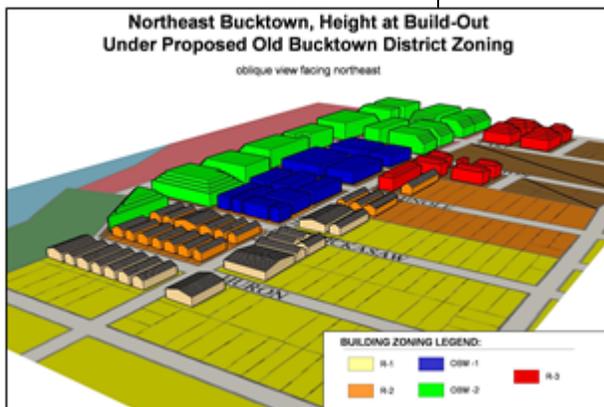
Bucktown is a neighborhood in Jefferson Parish, which for many years was a sleepy fishing village. Over the last few years the Bucktown neighborhood has begun to experience substantial redevelopment, including high-rise residential.

N-Y prepared a **neighborhood plan to address issues regarding future redevelopment, land use, traffic and recreation.** Tasks under this project involved data collection and analysis; a public participation process including public workshops and meetings that focused on placemaking for the kind of destination development desired by the community; coordination with the Parish's overall master planning efforts; preparation of the Neighborhood Plan document and implementing ordinances; and the creation of two (2) new site-specific mixed-use zoning districts.

The conceptual plan will promote pedestrian and bicycle access including connectivity among the Old Bucktown Zoning Districts. Decorative sidewalks ranging between 6-10 feet in width will extend from the back of the curbs towards the property line.

N-Y Personnel:
B. Richards, AICP
L. Jemison, AICP

The American Planning Association - Louisiana Chapter awarded N-Y the 2008 Outstanding Planning Award: For a Project/Program Tool, for this work.



Completion Date (Actual or Estimated):

Estimated Cost:

2007

Entire Project:

Work for which Firm was Responsible:

\$100,000 (fee)

100%

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Multi-Mission Station Building, U.S. Coast Guard Station Metairie, LA</p> <p>Owner: U.S. Coast Guard Contracting Division 5505 Robin Hood Rd., Suite K Norfolk, VA 23513</p> <p>Contact: Matt Ruckert, Lt. Commander (757) 852-3451</p> <div data-bbox="326 667 634 888" style="border: 1px solid black; padding: 5px;"> <p><u>N-Y Personnel:</u> F. Nicoladis, PE J. Simmons, PE C. Nicoladis, PE M. Nicoladis, EI, MBA D. Voss, CET</p> </div> <div data-bbox="107 905 610 1234" style="border: 1px solid black;"> </div> <div data-bbox="107 1247 610 1545" style="border: 1px solid black;"> </div> <p>This facility is located on the unprotected lake side of the hurricane protection levee and sustained no significant storm surge or wind damage during Hurricane Katrina.</p>	<p>Design, bidding, and construction administration for a new \$10.5 million, 23,000 SF building including a control center, a communications center, administrative offices, classrooms, a conference room, several berthing rooms, a physical fitness area, galley, dining area, and maintenance shop.</p> <div data-bbox="654 478 1523 617" style="background-color: yellow;"> <p>Construction of the project required dredging of the Bucktown Harbor channel and marina to a depth of EL -8 NGVD. The dredged spoils were used to create a mitigation area consisting of a man-made marsh and a 1450 LF rock dike.</p> </div> <p>The project included the installation of water, gas, and sewage force main lines, and the design of a 1,000 ft. asphaltic concrete access roadway over the existing levee, as well as elevating the roadway 2.5 feet higher than current grade to accommodate a future increase in levee height.</p> <p>The project also included 715 ft. of concrete sheetpile bulkhead tied back with anchor piles and a docking facility which includes three boat slips, one covered mooring, and a fueling facility.</p> <div data-bbox="654 1010 1531 1115" style="background-color: yellow;"> <p>This project also included Environmental Site Assessments (ESAs), Risk Assessments, Wetlands Evaluation and Delineation, and Regulatory/Permits Research in Compliance with NEPA.</p> </div> <div data-bbox="781 1192 1422 1629" style="border: 1px solid black;"> </div> <div data-bbox="781 1629 1422 1682" style="border: 1px solid black; text-align: center;"> <p>Marsh Creation Area</p> </div>	
<p align="center">Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2001	\$10.5 million	100%

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
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**Hydrologic and Hydraulic Modeling and Analysis for East Baton Rouge Flood Risk Management Project
East Baton Rouge, LA**

Owner:
USACE, NOD
7400 Leake Avenue
New Orleans, LA 70118

Contact:
 Clyde Barre
 (504) 862-2128

N-Y Personnel:
 F. Nicoladis, PE
 J. Simmons, PE
 M. Nicoladis, EI, MBA

Hydrologic and Hydraulic Modeling, utilizing HEC-RAS 2D, of existing conditions and proposed improvements of the basins, channels and channel improvements for the East Baton Rouge Flood Risk Management Project which includes three (3) basins within the Amite River watershed: Blackwater Bayou, Jones Creek and Ward Creek. The purpose of this project is to reduce the extent of flooding in the three basins.

N-Y and its subconsultant were responsible for determining stage and inundation differences in the three basins between the existing conditions and proposed channel improvements which include clearing and snagging, concrete lining and channel enlargement. The individual models of the three basins were performed for eight rainfall frequency events for existing conditions and proposed improvements and were then combined into a single "basin-wide" hydraulic model for both existing conditions and proposed improvements. N-Y, as Prime Consultant, worked with a major subconsultant to accomplish this work.



**Ward Creek Watershed
(45 square miles)**



**Blackwater Bayou Watershed
(16 square miles)**



**Area Jones Creek Watershed
(24 square miles)**

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$225 K	25%

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
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**Drainage Master Planning, Hydraulic Modeling and Design
St. Tammany Parish, LA**

- A. Coin Du Lestin Estates Road Elevations
- B. Brewster Road/LA 1077 Detention Pond
- C. Alton Subdivision Drainage Improvements
 - i. Alton Drainage Study
 - ii. Alton Drainage Design, Phase 1

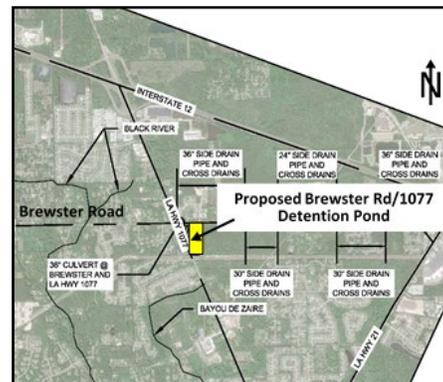
Owner:
St. Tammany Parish
21490 Koop Drive
Mandeville, LA 70471

Contact:
Donna O'Dell, PE
(985) 898-2552

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

A. Coin Du Lestin Road Estates Road Elevations
N-Y evaluated raising 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.

B. Brewster Road/LA 1077 Detention Pond
Hydrologic & 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.



C. Alton Subdivision Drainage Improvements
i. Alton Drainage Study
Hydrologic and 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.

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 12th Street to the outfall at Drainage Lateral 8-JW1-14, as well as drainage Laterals 8-JW1-8, 8-JW1-27 and 8th Street from Amos to the outfall at 8-JW1-27.



- ii. Alton Drainage Design, Phase 1**
Design for Phase 1 of the proposed drainage improvements included:
- 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.
 - Ditch widening along N. 10th Street between N. 1st Avenue and Amos Street
 - 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.

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
A. 2022	A. \$2 million	100%
B. 2022	B. \$8.1 million	
C. i. 2016; ii. 2018 (design)	C. \$1.5 million	

PROJECT NO. 5

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:
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**Drainage Master Planning, Hydraulic Modeling and Design
St. Tammany Parish,
LA**

A. 1077/1085 Drainage Study

B. Tantella Ranch/McGee Road Drainage Study

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

**Contact:
Donna O'Dell, PE
(985) 898-2552**

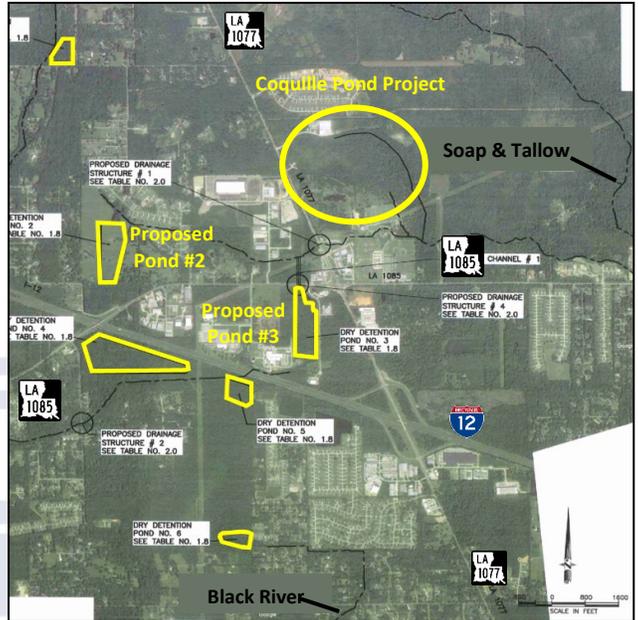
N-Y Personnel:
F. Nicoladis, PE
C. Nicoladis, PE
M. Nicoladis, EI, MBA
F. Mortali, PE
D. Voss, NICET

A. 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)**

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.



B. 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 Tchefuncte River a distance of approximately 2700 feet was evaluated and a proposed culvert addition on Tantella Road was also included in the model.

Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
A. 2016	A. \$17.8 million	100%
B. 2017	B. \$8.1 million	

PROJECT NO. 6

Project Name, Location and Owner's contact information:

Maplewood/Paillet Subdivision Subsurface Drainage Improvements Jefferson Parish, LA

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

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

N-Y Personnel:

F. Nicoladis, PE
 C. Nicoladis, PE
 F. Mortali, PE
 D. Voss, NICET

Nature of Firm's Responsibility:

- i. Design, bidding, construction administration and resident inspection for **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.



Installed 45"x73" RCPA drainage culvert



Looking East towards Queens Blvd. ready for concrete replacement

- 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" drainpipes.

DRAINAGE	
Reinforced Concrete Pipe (RCP)	
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	
Reinforced Concrete Pipe Arch (RCPA)	
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	
Corrugated Metal Pipe (CMP)	
201 LF of 47" x 61" CMP	
WATER	
80 LF of 6" waterline	
600 LF of 8" waterline	
SEWER	
628 LF of 8" sewer line	
347 LF of 12" sewer line	

Estimated Cost:

Completion Date (Actual or Estimated):

Entire Project:

Work for which Firm was Responsible:

- i. 2011
- ii. 2019

i. \$3.4 million
 ii. \$190,000

100%

PROJECT NO. 7

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

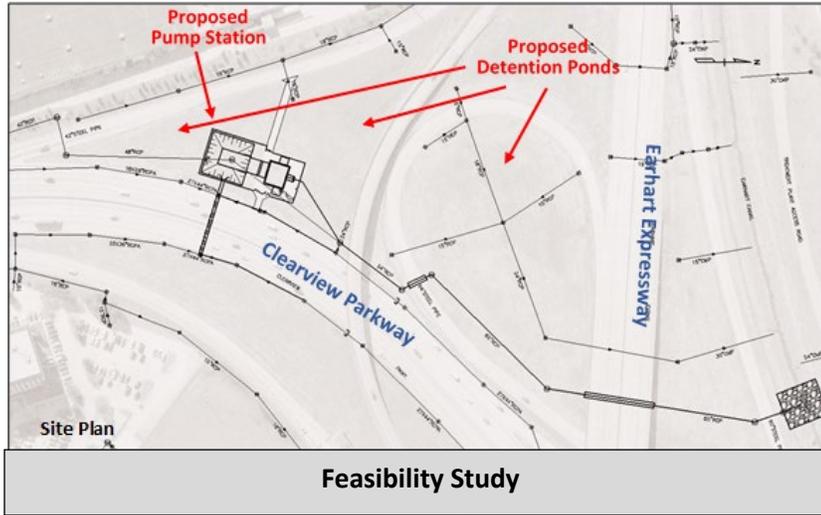
Engineering Feasibility Study for Drainage Improvements at the Clearview/Earhart Expressway Interchange Jefferson Parish, LA

Engineering Feasibility Study with H&H Modeling, Concept Plans, and Cost Estimates to alleviate chronic flooding on Clearview Parkway in the vicinity of the Earhart Expressway. The study recommended the installation of a new 160 cfs triplex drainage pump station, a slotted intake drain across Clearview Parkway (LA 3152) and **stormwater detention ponds** on the intake side of the pump station, and upgrades to St. Peter's Ditch including a concrete U-flume section.

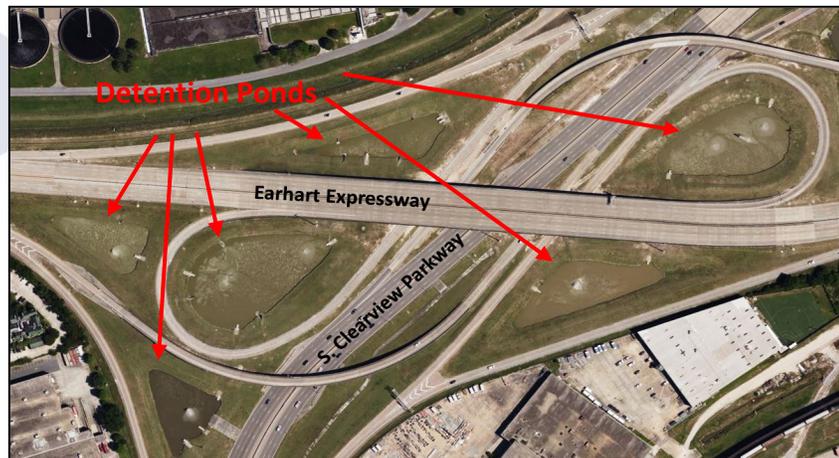
Owner:
 Jefferson Parish
 1221 Elmwood Park Blvd.
 Jefferson, LA 70123

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

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



Feasibility Study



Aerial Photo of Study Area

Completion Date (Actual or Estimated):

Estimated Cost:

2003 (study)

Entire Project:

Work for which Firm was Responsible:

\$10 million

100%

PROJECT NO. 8

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Orleans Medical District Land Use, Transportation & Infrastructure Master Plan Orleans Parish, LA</p> <p>Owner: Regional Planning Commission 10 Veterans Boulevard New Orleans, LA 70124</p> <p>Contact: Jeffrey Roesel, AICP Executive Director (504) 483-8528</p> <div data-bbox="115 957 422 1136" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: F. Nicoladis, PE B. Richards, AICP L. Jemison, AICP M. Nicoladis, EI, MBA</p> </div> <div data-bbox="103 1203 654 1596" style="margin-top: 20px;"> </div>	<p>The New Orleans Medical District (NOMD) is an urban area containing a number of hospitals, health science centers and clinical facilities including Tulane University Hospital and School of Medicine, LSU Schools of Medicine and Nursing, Charity Hospital, University Hospital, a new Veterans Administration Hospital, and the Delgado School of Nursing. During Hurricane Katrina, many of these facilities were damaged and have remained closed.</p> <p>The Regional Planning Commission of New Orleans (RPC) hired N-Y to work with the various members and stakeholders in the Medical District to develop a Master Plan for the redevelopment of the District.</p> <p>The Master Plan included the following:</p> <ul style="list-style-type: none"> ▪ Facilitation of a Project Advisory committee made up of District stakeholders; ▪ Community Outreach; ▪ A comprehensive asset inventory of District infrastructure; ▪ A plan for transportation network integration; and ▪ A Land Use Study and Plan for the district that includes an urban design vision for the District. <div data-bbox="734 1071 1490 1503" style="text-align: center; margin-top: 20px;"> </div>	
<p>Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	<p>Entire Project:</p>	<p>Work for which Firm was Responsible:</p>
<p>2008</p>	<p>\$375,000 (fee)</p>	<p>100%</p>

PROJECT NO. 9

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Metairie Road Smart Growth Jefferson Parish, LA

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
 M. Nicoladis, EI, MBA
 J. Simmons, PE
 B. Richards, AICP

A previous study for Metairie Road looked at ways for "Smart Growth Development" in the Metairie Road corridor. This project is one segment of the Smart Growth development.

N-Y is providing Design, Bidding and Construction Administration for the Smart Growth items of work which include lane reduction to permit more room for pedestrians and vehicle parking, wider sidewalks, demarcation of sidewalk with colored pavers, adding high-visibility crosswalks, new ADA-compliant curb ramps, and the use of pervious concrete for non-travel lanes (parking and bus U-turn) to reduce stormwater runoff.

The project also includes roadway concrete panel replacement as needed, drainage improvements and an improved bus U-turn.



Metairie Road Smart Growth Project Limits (Existing Conditions)

Completion Date (Actual or Estimated):

Estimated Cost:

2023 (Design on Hold)

Entire Project:

Work for which Firm was Responsible:

\$750,000

100%

PROJECT NO. 10

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

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

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

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

Engineering Feasibility, **Hydrologic and Hydraulic Modeling** and Conceptual Cost Estimates evaluating a proposed new \$150 million drainage pump station in the Jefferson Parish, 2,400 acre portion of the 10,000 acre Hoey's Drainage Basin.

This pump station would pump stormwater south beneath Jefferson Highway and River Road and over the Mississippi River levee. The pump station would provide additional capacity and redundancy for Drainage Pump Station No. 6 and the 17th Street Canal, which discharge into Lake Pontchartrain, and thereby more rapidly drain the entire Hoey's Basin.

Alternatives included i.) a 1,600 CFS station (with a 13 foot diameter, 5400 LF discharge force main) expandable to 2,400 CFS and ii.) a 1,000 CFS station with a detention pond for interim stormwater storage.

N-Y Personnel:

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



SITE PLAN

Completion Date (Actual or Estimated):	2007
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Estimated Cost:	
Entire Project:	Work for which Firm was Responsible:
\$150 Million	100%

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
		N-Y has no on-going legal proceedings with Jefferson Parish.

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

<p style="text-align: center;">SECTION N. TABLE OF CONTENTS</p> <p>I. EXECUTIVE SUMMARY</p> <p>II. MINIMUM QUALIFICATIONS</p> <p>III. DESIRED QUALIFICATIONS</p> <p>IV. EVALUATION CRITERIA</p> <p>1. Professional Training and Experience</p> <p>2. Size of Firm</p> <p>3. Capacity for Timely Completion</p> <p>4. Past Performance</p> <p>5. Location of the Principal Office</p> <p>6. Adversarial Legal Proceedings</p> <p>7. Prior Successful Completion of Projects</p> <p>V. QUALITY ASSURANCE PROGRAM</p> <p>VI. THE N-Y ADVANTAGE</p>	<p style="text-align: center;">II. MINIMUM QUALIFICATIONS</p> <p>1. One Principal who is a Professional Engineer who shall be registered as such in Louisiana:</p> <ul style="list-style-type: none"> ▪ Frank Nicoladis, PE LA PE No. 5924, Expires 03/31/2023 65 Years of Experience <p>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:</p> <ul style="list-style-type: none"> ▪ Constantine F. Nicoladis, PE LA PE No. 27095, Expires 09/30/2023 35 Years of Experience <p>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):</p> <ul style="list-style-type: none"> ▪ Fred Mortali, PE LA PE No. 35111, Expires 03/31/2024 29 Years of Experience ▪ W. Tully Rhodes, PE LA PE No. 19885, Expires 09/30/2023 43 Years of Experience ▪ James Simmons, PE LA PE No. 19891, Expires 09/30/2023 45 Years of Experience ▪ Neil Logan, PE LA PE No. 14607, Expires 03/31/2023 61 Years of Experience ▪ William Haensel, PE, PLS LA PE No. 13375, Expires 03/31/2024 55 Years of Experience
<p style="text-align: center;">I. EXECUTIVE SUMMARY</p> <p>Although N-Y Associates, Inc. is sometimes mistaken for “New York”, N-Y is actually a fifty-three (53) year-old family owned, multi-discipline consulting firm founded and headquartered in Jefferson Parish. Offering extensive local experience, N-Y has been providing engineering, architecture, planning and project management services to federal, state, regional, parish and city agencies throughout southern Louisiana since 1969.</p> <p>N-Y’s staff includes civil, hydraulic and structural engineers; project managers; urban planners; construction inspectors and technical support personnel, each of whom offers relevant experience providing professional services on infrastructure projects throughout the Parish.</p> <p>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 this area.</p>	

III. DESIRED QUALIFICATIONS

1. Persons or firms with expertise and applicable credentials in federal program management, civil engineering, water resources engineering, landscape architecture and urban planning:

a. Federal Program Management

- Frank Nicoladis, PE
LA PE No. 5924, Expires 03/31/2023
65 Years of Experience
- Michael F. Nicoladis, EI, MBA
LA EI No. 8705, Expires 09/30/2023
38 Years of Experience
- Constantine F. Nicoladis, PE
LA PE No. 27095, Expires 09/30/2023
35 Years of Experience
- Bruce Richards, AICP, PTP, GIP
LA AICP No. 126106
Professional Transportation Planner No. 613
Green Infrastructure Practitioner No. 97429
34 Years of Experience
- Fred Mortali, PE
LA PE No. 35111, Expires 03/31/2024
29 Years of Experience
- James Simmons, PE
LA PE No. 19891, Expires 09/30/2023
45 Years of Experience

b. Civil Engineering

- Frank Nicoladis, PE
LA PE No. 5924, Expires 03/31/2023
65 Years of Experience
- Constantine F. Nicoladis, PE
LA PE No. 27095, Expires 09/30/2023
35 Years of Experience
- James Simmons, PE
LA PE No. 19891, Expires 09/30/2023
45 Years of Experience
- Fred Mortali, PE
LA PE No. 35111, Expires 03/31/2024
29 Years of Experience
- William Haensel, PE, PLS
LA PE No. 13375, Expires 03/31/2024
55 Years of Experience
- W. Tully Rhodes, PE
LA PE No. 19885, Expires 09/30/2023
43Years of Experience

c. Water Resources Engineering

- Frank Nicoladis, PE
LA PE No. 5924, Expires 03/31/2023
65 Years of Experience
- Constantine F. Nicoladis, PE
LA PE No. 27095, Expires 09/30/2023
35 Years of Experience
- James Simmons, PE
LA PE No. 19891, Expires 09/30/2023
45 Years of Experience
- Fred Mortali, PE
LA PE No. 35111, Expires 03/31/2024
29 Years of Experience
- William Haensel, PE, PLS
LA PE No. 13375, Expires 03/31/2024
55 Years of Experience
- W. Tully Rhodes, PE
LA PE No. 19885, Expires 09/30/2023
43Years of Experience

d. Landscape Architecture

- E. Will Tregre, II, AIA
LA Professional Architect No. 4158,
Expires 12/31/2022
36 Years of Experience
- Keith Scarmuzza, RLA, ASLA
LA Professional Landscape Architect No. 0481,
Expires 1/31/2023
25 Years of Experience
- Suzanne B. Herzog, RLA, ASLA
LA Professional Landscape Architect No. 0555,
Expires 1/31/2023
18 Years of Experience

e. Urban Planning

- Bruce Richards, AICP, PTP, GIP
LA AICP No. 126106
Professional Transportation Planner No. 613
Green Infrastructure Practitioner No. 97429
34 Years of Experience
- Lydia Z. Jemison, AICP, CFM
AICP No. 016414; Certified Floodplain Manager
(CFM) No. US-11-05811
40 Years of Experience

2. Extensive experience managing compliance for federal funding resources, including but not limited to: FEMA Public Assistance (FEMA PA), FEMA Hazard Mitigation Grant Program (HMGP), FEMA Non-Disaster Hazard Mitigation Assistance (HMA) Programs, Community Development Block Grant – Disaster Recovery (CDBG-DR) and Community Development Block Grant – Mitigation (CDBG-MIT) funds:

N-Y has had extensive experience with numerous federal grant programs since its founding in 1969. Provided below is a sample list of N-Y's experience with Federally funded projects:

- Improvements to Subsurface Drainage for the Bunche Village Subdivision for Jefferson Parish (CDBG)
- Improvements to Subsurface Drainage for the Maplewood/Paillet Subdivision for Jefferson Parish (CDBG)
- New Marrero Senior/Community Center for Jefferson Parish (CDBG)
- Program Management of the FEMA Streets Restoration Program for the Eastbank of Jefferson Parish (FEMA)
- Hurricane Damage Repairs to the Charles A. Wagner Branch Library and Riverside Building for Jefferson Parish (FEMA)
- New Veterans Administration Medical Center Infrastructure Improvements (CDBG)
- Waterline Replacement Program for the French Quarter and CBD (FEMA)
- Infrastructure Planning and Management for the University Medical Center (UMC), Phase 1 (CDBG)
- Infrastructure Planning and Management for the New Veterans Administration Medical Center (VAMC), Phase 2 (CDBG)
- Rehabilitation of Nine (9) Lift Stations for the Sewerage and Water Board of New Orleans (FEMA)
- Jourdan Road Terminal Cold Storage Expansion Project (EDA)
- Phase I Repairs to the New Orleans Municipal Auditorium (FEMA)
- Hurricane Katrina Damage Repairs & Improvements to the Mahalia Jackson Theatre of the Performing Arts (FEMA)
- Hurricane Damage Repairs and Renovations to Guste Elementary School (FEMA)
- Andrew Jackson School Refurbishments (FEMA)
- Henry Allen School Refurbishments (FEMA)
- Henry C. Schaumburg Elementary School

- Sylvania F. Williams Elementary School Refurbishments (FEMA)
- Lafayette Elementary School Refurbishments (FEMA)
- Kitchen Improvements at Various Recovery School District Schools (FEMA)
- Demolition and Abatement of Christopher Park Homes (CDBG)

3. Extensive experience with stormwater management planning at local, parish and regional scales in Louisiana:

N-Y has had extensive experience with stormwater management planning at local, parish and regional scales in Louisiana. Provided below is a sample list of N-Y's experience with stormwater management planning projects:

- Engineering Feasibility Study for Drainage Improvements at the Clearview/Earhart Expressway Interchange for Jefferson Parish
- Brewster Road/LA 1077 Detention Pond for St. Tammany Parish
- 1077/1085 Drainage Study for St. Tammany Parish
- Tantella Ranch/McGee Road Drainage Study for St. Tammany Parish
- Coin Du Lestin Estates Study for St. Tammany Parish

4. Extensive experience planning, designing, and implementing green infrastructure and other stormwater BMPs in South Louisiana:

N-Y has been working with the Regional Planning Commission (RPC) for over 40 years and the Louisiana Department of Transportation and Development (LADOTD) for over 45 years, providing services for the following types of projects:

- Land Use, Zoning and Transportation Master Plans
- Stage 0: Feasibility Studies, Line & Grade Studies, Environmental Inventories and Corridor Studies
- Stage 1: Environmental Assessments and Environmental Impact Statements

N-Y has been providing planning services in Jefferson Parish continuously for over forty-five (45) years, including the following planning projects:

- Site Program, Master Site Plan, and National Register of Historic Places Nomination for Hope Haven Site in Jefferson Parish
- Lafreniere Sub-Area Plan in Jefferson Parish

- Bucktown Neighborhood Plan for Jefferson Parish
- West End Redevelopment, Phases 1 and 2, in Orleans and Jefferson Parishes for the Regional Planning Commission
- Planning, Resubdivision and Infrastructure Improvements for the Proposed Redevelopment of the Jefferson Plaza Shopping Center
- Metairie Road Smart Growth for Jefferson Parish

5. Extensive Experience assisting communities in the design and implementation of non-structural flood risk reduction measures:

N-Y has had extensive experience assisting communities in the design and implementation of non-structural flood risk reduction measures. Provided below is a sample list of N-Y's experience with non-structural flood risk reduction projects:

- Improvements to Suburban Drainage Canal: Sections 1, 2, 3, 4, and 5 in Jefferson Parish
- Improvements to Drainage Canal No. 3 in Jefferson Parish
- Improvements to Duncan Canal and West Esplanade Avenue in Kenner, LA
- Jefferson Avenue Covered Canal I, from South Claiborne Avenue to Dryades Street in New Orleans
- South Claiborne Avenue Manifold Canal (Jena Street to Louisiana Avenue) in New Orleans
- Hydrologic and Hydraulic Modeling and Analysis for East Baton Rouge Flood Risk Management Project in East Baton Rouge for USACE
- Coin Du Lestin Estates Road Elevations H&H Study for St. Tammany Parish
- Alton Area Drainage Study for St. Tammany Parish
- Master Drainage Plan for St. John the Baptist Parish
- Hydrologic and Hydraulic Modeling and Analysis for East Baton Rouge Flood Risk Management Project

6. Demonstrated history of understanding how to satisfy multiple community demands during the infrastructure planning and design process (ex: merging stormwater management with ecosystem services, recreational amenities, economic development and placemaking priorities):

N-Y has had extensive experience satisfying multiple community demands during the infrastructure planning and design process.

- Bucktown Neighborhood Plan for Jefferson Parish
- West End Redevelopment, Phases 1 & 2 for Regional Planning Commission in Jefferson Parish
- Amendments to the Zoning Map and Zoning Text for Implementation of the Lafreniere Sub-Area Plan for Jefferson Parish
- Site Program, Master Site Plan, and National Register of Historic Places Nomination for Hope Haven Site for Jefferson Parish
- Program Management of the FEMA Submerged Roads Program for the East Bank of Jefferson Parish
- Improvements to Duncan Canal and West Esplanade Avenue in Kenner, LA
- Improvements to Subsurface Drainage for the Maplewood/Paillet Subdivision for Jefferson Parish
- Improvements to Subsurface Drainage for the Bunche Village Subdivision for Jefferson Parish
- Street and Drainage Reconstruction Projects for the City of New Orleans

IV. EVALUATION CRITERIA

1. Professional Training and Experience

Constantine F. Nicoladis, PE, will serve as Project Manager. A Vice President and Senior Civil & Hydraulic Engineer, he has thirty-five (35) years of related stormwater management and flood risk reduction experience including **detention basins, subsurface drainage improvements, drainage canals, box culverts, utilities relocation and roadway reconstruction, with construction values from under \$5 million to over \$50 million.** Mr. Nicoladis has served as Project Manager on almost all of N-Y's hydraulic modeling and storm water management projects, **including recent drainage studies and drainage design.**

Bruce J. Richards, AICP, PTP, GIP (Green Infrastructure Professional) will serve as Deputy Project Manager. Mr. Richards is a Vice President of N-Y and the Director of Planning and has over thirty-four (34) years of experience in master plans, land use and transportation planning, feasibility studies, environmental inventories and assessments, environmental impact statements, master plans, and traffic impact studies. **He has served as project manager or deputy project manager for more than fifteen (15) feasibility studies and environmental documents completed for Jefferson Parish, RPC and LADOTD by N-Y since 1999.** Mr. Richards has managed numerous Public Engagement programs and has completed both NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making" and the course on Section 106 of the National Preservation Act Offered by the Advisory Council on Historic Preservation in 2002.

Mr. Nicoladis and Mr. Richards will lead a team of highly seasoned professionals, whose average level of experience is over twenty-five (25) years, including James E. Simmons, PE; Fred Mortali, PE; W. Tully Rhodes, PE; Neil Logan, PE; William Haensel, PE, PLS; Lydia Jemison, AICP; Patricia Claverie, EI, MS; and Dennis Voss, NICET. Most of these professionals have been with N-Y over twenty (20) years. Resumes for these key personnel are provided in Section K of this qualification package.

N-Y also has extensive experience managing subconsultants for all required basic and supplemental services. To supplement our in-house staff, we will use the following subconsultant firms, each of which have experience working in Jefferson Parish and with N-Y.

- BFM Corporation, LLC, *a Small Business Enterprise*, will provide Topographic Surveying, Servitudes and Rights-of-Way services, including boundary maps and legal descriptions of parcels to be acquired.
- Gulf South Engineering and Testing, Inc., *a Small Disadvantaged Business Enterprise*, will provide Geotechnical Engineering.
- ELOS Environmental, LLC, *a Small Disadvantaged Business Enterprise*, will provide Biological and Environmental Assessments.
- Mathes Brierre will provide Landscape Architecture, Green Infrastructure and BMP. Mathes Brierre is a regional expert in resilient, green streetscape design.

➤ **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.

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

- **National Green Infrastructure Certification Program**
- American Society of Civil Engineers
- Society of American Military Engineers
- Council of Engineering Companies of Louisiana
- Louisiana Engineering Society
- American Council of Engineering Companies
- American Public Works Association
- National Society of Professional Engineers

- American Concrete Institute
- Water Environment Federation
- American Waterworks Association
- American Planning Association
- American Institute of Architects
- Louisiana Architects Association

2. SIZE OF FIRM

N-Y's current staff of professional and support personnel are capable of performing the 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.

3. CAPACITY FOR TIMELY COMPLETION

N-Y has ample 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.

4. PAST PERFORMANCE

➤ **Cost**

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

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

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

➤ **Quality of Work**

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

➤ **Compliance with Performance Schedules**

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

- **Jefferson Parish:** N-Y has been providing engineering services in Jefferson Parish continuously for over forty-five (45) years. *Provided after this section are Letters of Recommendation from Mark Drewes, Director of Engineering and Reda Yousef, former Director of Capital Projects attesting to the exceptional services provided by N-Y.*
- **Louisiana Department of Transportation and Development:** *N-Y has been providing professional services continuously for LADOTD since 1975* for the following types of projects: *Stage 0:* Feasibility Studies, Line & Grade Studies, Environmental Inventories and Corridor Studies; *Stage 1:* Environmental Assessments; Environmental Impact Statements; and Construction Plans and Specifications for Roadway, Highway and Bridge Projects.
- **City of New Orleans, Department of Public Works:** *N-Y has been providing professional engineering services continuously for roadway enhancement and reconstruction projects for NODPW since 1980.* Over the past thirty-five (35) years, N-Y has prepared plans and specifications and provided construction engineering and resident inspection for the reconstruction of over twenty (20) miles of concrete and asphalt urban streets in the City of New Orleans.
- **U.S. Army Corps of Engineers, New Orleans District:** N-Y met all its interim and final deadlines on over thirty (30), post-Katrina Task Orders for the USACE, New Orleans District. *As a testament to the USACE's confidence in N-Y, N-Y was recently one of only four firms (and 1 of only 2 local firms) in the New Orleans District that was awarded a new five-year, General Engineering Services Indefinite Delivery contract.*

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

➤ **Awards and Commendations**

N-Y's excellence in providing planning services has resulted in the following awards and commendations which are provided following this Questionnaire:

- **Bucktown Neighborhood Plan for Jefferson Parish:** N-Y was awarded the 2008 Outstanding Planning Award – for a Project/Program Tool from the American Planning Association, Louisiana Chapter.
- **West End Redevelopment, Phases 1 and 2; in Orleans and Jefferson Parishes for the Regional Planning Commission:** N-Y was awarded the 2008 Outstanding Planning Award – for an Area-Specific Plan from the American Planning Association, Louisiana Chapter.
- **Letter of Commendation from Walter Brooks, Former Executive Director, Regional Planning Commission:** Letter of Commendation for N-Y's work on the *LA Highway 23 (Happy Jack to N. Port Sulphur) Stage 1 Environmental Assessment* in Plaquemines Parish and the *US 51 (LA 22 to Club Deluxe Road) Stage 1 Environmental Assessment* in Tangipahoa Parish.

➤ **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

5. LOCATION OF THE PRINCIPAL OFFICE

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

6. ADVERSARIAL LEGAL PROCEEDINGS

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

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

N-Y has been providing engineering services in Jefferson Parish continuously for over forty-five (45) years and has successfully completed many projects for the Parish, **including these projects is highlighted in Section L of this TEC Questionnaire:**

- Engineering Feasibility Study for Drainage Improvements at the Clearview/Earhart Expressway Interchange
- Improvements to Subsurface Drainage for the Maplewood/Paillet Subdivision
- Improvements to the Subsurface Drainage for the Bunche Village Subdivision
- Hoey's Basin: Pump to the River

Other relevant Jefferson Parish experience includes:

- Improvements to the Duncan Canal at West Esplanade Avenue
- Improvements to Suburban Drainage Canal, Sections 1, 2, 3, 4 and 5
- Improvements to Drainage Canal No. 3
- ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport
- New Bayou Segnette Drainage Pump Station
- Westwego Pumping Station No. 2

H&H modeling performed by Ms. Patricia Claverie at another firm.

Southeast Louisiana Urban Flood Control Program (SELA) Master Drainage Plan for the USACE – Orleans Parish, LA

Ms. Claverie updated the hydraulic models on the Eastbank of New Orleans utilizing XP-SWMM and HEC-RAS program with existing subsurface data provided from a 1984 study. Ms. Claverie also utilized GIS programs to develop flood maps for the 10-year storm, 50-year storm events and 100-year storm events. She was responsible for feasibility study reports to identify projects, management plans, development of construction costs, estimates for construction schedules and related services.

Hydrologic and Hydraulic modeling capabilities included the use of USACE HEC-RAS software and standard Hydrology and Hydraulic software such as XP-SWMM, and UNET. GIS capabilities include the Environmental Systems Research Institutes (ESRI's) Arc/Info and ArcView, (with the Hydraulic and Hydrologic modeling extensions), and Integraph MGE and Geomedia. CADD capabilities include MicroStation and AutoCAD. This modeling effort was coordinated closely with the USACE, New Orleans District, Hydraulics Branch and met the strict guidelines for project approval and funding.

The output from these models (for existing conditions and for proposed improvements) showed areas subject to flooding for 10, 50, 100 and 500 year predicted storm events. This information was incorporated with GIS data furnished by the City of New Orleans to determine economic benefits of proposed improvements. This effort was coordinated closely with the New Orleans District's Planning Division Economic Branch and with the District's Engineering Division and the Systems and Programming GIS team. Ms. Claverie developed relocation cost estimates as input for the Feasibility Study Report and Project Management Plan.

Ms. Claverie was involved in the development of GIS topographic maps for the extent of the boundary of the City of New Orleans. These maps were incorporated with previously completed and planned hydrologic models to determine the effectiveness of proposed improvements. The digital mapping was used as input to compute storage volumes in an ESRI compatible (third party acceptable) volume computation GIS program. These volume routines were identified and accepted by the SELA engineering staff. The map data was furnished as either Arc/Info coverage or ArcView 3.0 or higher shapefile(s). This data was created on the 1-foot contour interval.

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

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



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.

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

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.



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



An 1,800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4,000 CFS. The project also includes a 34'w x 250'l, 2-lane bridge replacement with 50 ft. spans.

ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport; Kenner, LA

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.



Jefferson Avenue Covered Canal, South Claiborne Ave. to Dryades St.; New Orleans, LA



H&H Modeling and Design for a 4400 LF covered reinforced concrete canal to improve stormwater flow including roadway replacements and major utility relocations. A 1400 LF, 1500 CFS segment is 14'w x 10'h and a 3000 LF, 1100 CFS segment is 14'w x 8'h.

South Claiborne Avenue Manifold Canal, Jena Street to Louisiana Avenue; New Orleans, LA

A single barrel, 10h x 24'w concrete box culvert from Jena Street 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 approx.



2,000 CFS, placed in the median of S. Claiborne Avenue (U.S. 90) and extending approx. 2,500 LF.

SELA 74 – Donner Canal (Algiers Outfall Canal to Pump Station #13); Algiers, LA



Design of improvements to an existing 5600 LF earthen section of Donner Canal, from Algiers Outfall Canal to Pump Station #13. N-Y's responsibilities include

the flume, transition sections and earthen canal design sections, tie into existing features; street removal, replacement, and/or repair (if required); and drainage culvert tie-ins.

Westwego Pumping Station No. 2; Jefferson Parish, LA

Design, bidding, construction administration, and resident inspection for the procurement and installation of an additional (third) 320 CFS electric powered, vertical pump. (SELA Project)



New Bayou Segnette Drainage Pumping Station; Jefferson Parish, LA

Design, bidding, construction administration and resident inspection for a new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers. The new station was built adjacent to the existing station and was designed to USACE standards.



Bayou Segnette Complex Flood Protection: Navigable Sector Gate, Floodwalls, Levee and Pump Station; Jefferson Parish, LA

Preparation of the Design Report (Alternatives 1, 2 & 3); Plans and Specifications, Engineering During Construction and O&M Manual (*Alternative 2 below) 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. N-Y was the Design Subconsultant and Design Professional Engineer of Record. The Study included:



Alternative 1 which would follow the existing flood protection alignment (T-Wall, I-Walls on levee sections and full levee section alternatives were studied);

Alternative 2 (the selected Alternative) which crosses Bayou Segnette with a 56' wide navigable sector gate (mitered & sector floodgate alternatives were studied) and continues southeast to the existing flood protection alignment using a combination of 1600 LF of concrete T-walls and 800 LF of earthen levees; and

Alternative 3 which would connect the existing and proposed floodwalls located just north of Westwego Pumping Station No. 2 (a new 5000 CFS drainage pumping station, a mitered or sector navigable floodgate and a combination earthen/floodwall closure were studied).

Hurricane Protection Alignments, Westbank and Vicinity, Lake Cataouatche Hurricane Protection Levee; Jefferson and St. Charles Parishes, LA



Reconnaissance-Level Study for Hurricane Protection Alignments:

A reconnaissance-level study for hurricane protection alignments, raised to the FEMA 100-year future case (2057) level of protection. The feasibility of case (2057) level of protection. The feasibility of interim protection was determined for the selected alternative which completed a western tie-in of the Westbank and Vicinity, Lake Cataouatche Hurricane Protection Project.

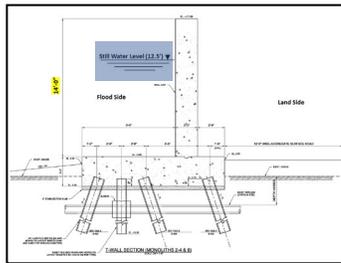
WBV-72 Lake Cataouatche Hurricane Protection Levee: Design and Engineering During Construction of 12,450 LF of earthen levee, 2-concrete access bridges, a drainage feature in the Davis Pond Guide Levee, and a new drainage path for Jefferson Parish's pump station. N-Y was the Design Subconsultant and Design Professional Engineer of Record.

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

Design and Engineering During Construction of a 56 ft. 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 also reviewed the O&M Manual, which was written by the USACE.



West Shore Lake Pontchartrain, WSLP-109 Levees and Floodwalls; St. John the Baptist Parish, LA

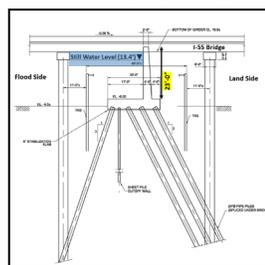


A new levee and T-wall and associated work as part of the West Shore Lake Pontchartrain Hurricane and Storm Damage Risk Reduction Project. The work includes:

- 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
- A multi-culvert crossing of the interior drainage canal at the access road

West Shore Lake Pontchartrain, WSLP-114 Levees and Floodwalls; St. John the Baptist & St. Charles Parishes, LA

As a subconsultant to another firm, N-Y is responsible for designing **3000 LF of new levees and 1840 LF of new floodwalls (T-walls up to 27' high)** to current HSDRRS criteria associated with the following four (4) West Shore project Drainage Pumping Stations:



- Hope Canal Pump Station
- Reserve Relief Canal Pump Station
- I-55 Floodwall and Pump Station
- Prescott Canal Pump Station

N-Y is also designing 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.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations for the USACE, New Orleans District



Preparation of the Design Report, Plans & Specifications, and Engineering & Periodic Inspection during Construction to provide **fronting protection across the entire width of the pumping station discharge areas.** The

designs consist of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes.

Drainage Pumping Station No. 11; New Orleans, LA

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.



V. 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.

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.

- 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.

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.

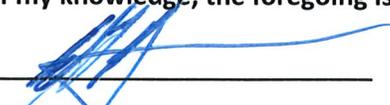
N-Y maintains, as always, its goal of adherence to client's schedules and budgets. We are constantly striving to improve our Quality Control/Assurance Plan to deliver the highest quality plans and specifications possible and to minimize changes to construction contracts.

VI. THE N-Y ADVANTAGE

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

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

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

Signature: 

Print Name: Michael F. Nicoladis

Title: Senior Vice President

Date: 4/19/2022

3. BFM CORPORATION, LLC

Subconsultant: Surveying

- TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

**Bucktown Building Resilient Infrastructure and Communities (BRIC)
Scoping Grant**

SOQ **22-016** | Resolution No. **139147**

B. Firm Name & Address:



BFM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

BFM Corporation, LLC
15 Veterans Memorial Boulevard
Kenner LA 70062

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

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

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

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

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

Ralph P. Fontcuberta, Jr., Executive Vice President • LA License No. 4329 (1974)

504-468-8800 • 504-451-7500 cell • ralph@bfmcorporation.com

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

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

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

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

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

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

TEC Professional Services Questionnaire

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

1. **N/A**

2.

H. Has this JOINT-VENTURE previously worked together? Please check:

YES _____ NO _____ N/A

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

Name & Address:	Specialty:	Worked with Prime Before (Yes or No):
1. N/A		
2.		
3.		

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

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

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

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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

- *Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, LA*
- *Bayou Segnette State Park Settlement Reference Marker Checks, Westwego, Jefferson Parish, LA*
- *Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA*
- *Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA*
- *Coventry Drainage Pump Stations, Jefferson Parish, LA*
- *Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA*
- *Bissonet Plaza Drainage Improvements (Phase 1, Elmwood Parkway and Craig Avenue), Metairie, Jefferson Parish, LA*
- *Fisher Basin Alignment Extension (Fisher/Lafitte Tidal Protection Alignment), Jefferson Parish, LA*
- *USACE W912HY-09-C-0015, WBV-24, Segnette State Park Floodwall, Jefferson Parish, LA*
- *Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA*
- *Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA*
- *Paillet Basin Tidal Protection Levee, Town of Jean Lafitte, Jefferson Parish, LA*
- *Lafitte Area Levee Repair (BA-82) (CPRA 4400007082, Task 8), Jefferson Parish, LA*
- *River Road Water Line Replacement, Jefferson Parish, LA*
- *25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA*
- *Monticello Canal at Airline (Utilities Location), Jefferson Parish, LA*
- *West Bank Expressway, Phase I Drainage Map, from Peters Road to Manhattan Boulevard, Jefferson Parish, LA*
- *Bucktown Harbor Hydrographic Survey, Jefferson Parish, LA*
- *Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA*
- *East Bank Water Treatment Plant Improvements (including Laser Scanning), Jefferson Parish, LA*
- *Gardere/Murphy Canal Drainage Improvements, Martin Luther King Park to Bayou Barataria, Jefferson Parish, LA*
- *Locate 16-inch Water Line between Valve Stations 18 & 24, Grand Isle, Jefferson Parish, LA*
- *Parish-Wide Safe House Program, Jefferson Parish, LA*
- *Earhart Expressway - Proposed Lead Street On/Off Ramps, Jefferson Parish, LA*
- *Mounes Drive (Dickory to Elmwood Park), Jefferson Parish, LA*
- *Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA*
- *LA 23 Lighting Improvements (Lapalco Boulevard to Whitney Avenue), Jefferson Parish, LA*
- *Trapp Canal Improvements, Bayou Fatma to Bayou Barataria, Jefferson Parish, LA*

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

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

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

B_FM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

BFM Corporation projects overseen by Mr. Poché would include:

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope, as was Subsurface Utility Engineering (SUE). (\$478,744 (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)

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

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

Rosethorne Basin, Lafitte Independent Levee District, Lafitte, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$25,840 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Field Operations Supervisor

Project Assignment:

Field Operations Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

Professional Land Surveyor Registration in process, State of Louisiana

Other experience and qualifications relevant to the proposed Project:

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

Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA. BFM provided surveying services for Sewer Lift Station L-11-1 (Saddler Road at Westbank Expressway) on the West Bank of Jefferson Parish in Marrero, a continuation of a previous surveying project. The new contract involved a boundary survey with servitude acquisition, updating the boundary and creating servitude, as provided by the client, which was used to create the final survey. (\$4,140 (fee); 2021)

Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA. BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. (\$19,940 (fee); 2016)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

John Philip Thayer (continued)

Lafitte Area Levee Repair (BA-82) (CPRA 4400007082, Task 8), Jefferson Parish, LA. BFM provided all topographic and hydrographic surveying services as required by the project. This included establishing a baseline parallel to the shoreline, establishing temporary benchmarks, plotting location of improvements, determining pipeline aspects (size, depth, etc.), and taking cross sections, as well as all elements of the hydrographic survey of the waterway. (\$8,924 (fee); 2017)

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)

Veterans Memorial Boulevard/Power Boulevard, Jefferson Parish, LA. For the Jefferson Parish Attorney's Office, BFM provided boundary and re-subdivision surveying services for the intersection of Veterans Memorial Boulevard and Power Boulevard by the Soniat Canal. (\$9,980 (fee); 2016)

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

Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer. (\$6,620 (fee); 2017)

CPRA BA-75-1, SP H.009252, Lafitte Tidal Protection, Phase II, Lafitte Area Independent Levee District, Jefferson Parish, LA. BFM's surveying services on the project included establishing horizontal & vertical control (referenced to established benchmark and LA State Plane Coordinate System, NAD 1983 2011), coordination of proposed bulkhead/l-wall centerline, and collection of spot elevation every 25 feet along the centerline. BFM also plotted collected data with centerline overlaid for reference purposes. Deliverables include hardcopy, PDF, and AutoCAD DWG files. (\$23,220 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS
Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor; Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University
B.S., 2014, Construction Management, Louisiana State University

Active registration: Year first registered/discipline:

2021, Professional Land Surveyor (Louisiana Lic. No. 5929)

Other experience and qualifications relevant to the proposed Project:

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

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

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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)

Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA. BFM's services involved a Route Topographic Survey for the project area; this involved the area along Soniat Canal and extended fence line to fence line. BFM established baseline and temporary benchmarks, and located improvements, utilities, trees, and property corners. (In a Route Topographic Survey, the full scope plan & profile includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work.) (\$19,975 (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)

Destrehan Lift Station Upgrades, Jefferson Parish, LA. BFM provided a full boundary survey update of the 2700 Destrehan Lift Station Upgrade project; the scope included establishing two TBMs (Temporary Benchmarks) on or near the project site and location of existing improvements within the designated Limits of Survey. This also included location of visible above-ground utilities and those underground utilities with visible surface evidence. (SCIP Project Number:D3564) (\$5,750 (fee); 2019)

Hollygrove Group E (RR065) Route Topographic Survey, Jefferson Parish, LA. BFM executed a Route Topographic Survey of Hollygrove Group E (RR065); this involved Forshey Street, Hollygrove Street, Hamilton Street, Edinburgh Street, and Mistletoe Street (a total of 4,950 linear feet). The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$34,650 (fee); 2020)

Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA. BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Quality Control Supervisor

Project Assignment:

Quality Control Supervisor

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Lemley serves as BFM's Quality Control Supervisor, overseeing all work and activity by the firm's personnel to be sure all is kept up to our exacting standards. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.

Segnette Park Settlement Reference Marker Checks, Westwego, Jefferson Parish, LA. BFM Corporation provided multiple surveying services for the project at the Bayou Segnette State Park in Jefferson Parish. The scope of services included performing an elevation survey of the settlement monuments at the Bayou Segnette Flood Wall. BFM tied into the controlling monuments for the project and executed a first order level loop through the settlement markers. (\$4,080 (fee); 2016)

Lafitte Area Levee Repair (BA-82) (CPRA 4400007082, Task 8), Jefferson Parish, LA. BFM provided all topographic and hydrographic surveying services as required by the project. This included establishing a baseline parallel to the shoreline, establishing temporary benchmarks, plotting location of improvements, determining pipeline aspects (size, depth, etc.), and taking cross sections, as well as all elements of the hydrographic survey of the waterway. (\$8,924 (fee); 2017)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Thomas O. Wright
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

14 years (joined BFM in 2008); 45 years total (1977)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

*American Traffic Safety Service Assn. – Traffic Flagger/Control Technician/Control Supervisor
Basic OSHA Training - Completed
Transportation Work Identification Card (TWIC)*

Other experience and qualifications relevant to the proposed Project:

Mr. Wright has over 40 years of experience in surveying services, including a multitude of project types (water, wastewater, stormwater, drainage, roadway, etc.) throughout the region.

Fisher Basin Alignment Extension (Fisher/Lafitte Tidal Protection Alignment), Jefferson Parish, LA. BFM provided topographic, bathymetric, and boundary surveying services for the project. The scope of services included extension of the project baseline along the shoreline of Bayou Barataria and towards LA45. The topographic survey was executed with sufficient intermittent shots to establish grade, and located all topographic features that could interfere with the proposed floodwalls and levee. Cross sections were also taken, with hydrographic surveys continuing out into the water and terminating at the thalweg. Overall, the surveying and mapping included sufficient topographic surveys and cross sections necessary to design, layout, access, construct, and perform the work. (\$12,197 (fee); 2015)

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 to Elmwood Park. 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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Curtis "Jay" Barrios
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

USACE W912HY-09-C-0015, WBV-24, Segnette State Park Floodwall, Jefferson Parish, LA. BFM provided surveying services – including benchmarks, wall line points, settlement reference marks, and as-built survey – for the West Bank and vicinity of the Segnette State Park Floodwall for this hurricane protection project. (\$53,506 (fee); 2014)

Waggaman Canal Relocation Survey (Jefferson Parish Landfill Sites), Jefferson Parish, LA. BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. (\$19,940 (fee); 2016)

Lafitte Area Levee Repair (BA-82) (CPRA 4400007082, Task 8), Jefferson Parish, LA. BFM provided all topographic and hydrographic surveying services as required by the project. This included establishing a baseline parallel to the shoreline, establishing temporary benchmarks, plotting location of improvements, determining pipeline aspects (size, depth, etc.), and taking cross sections, as well as all elements of the hydrographic survey of the waterway. (\$8,924 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

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

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

Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA. BFM provided boundary and topographic surveys for the project, which included a force main survey involving Veterans Boulevard, between the Suburban Canal and North Hullen Street (lift station improvements). Both full and partial route surveys were executed. (\$20,000 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Jeff Patin
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

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

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)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Drone Surveying services were also included. (\$68,090 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

Waggaman Canal Relocation Survey, Jefferson Parish, LA. BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey. (\$19,940 (fee); 2016)

Breaux Ditch Improvements, East Ames Boulevard – Leo Kenner Parkway, Jefferson Parish, LA. BFM provided topographic surveying services for this project. (\$11,435 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Shaun Clements
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

B_FM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

4 years (joined BFM in 2018); 7 years total (2015)

Education: Degree(s)/Year/Specialization:

Associates of Applied Sciences, 2015, Computer Drafting and Design (ITT)

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Ms. Clements college work resulted in a GPA of 4.0, earning her Valedictorian status. She also was the recipient of the Highest Honors and Perfect Attendance Awards.

Latigue Road Extension – Supplemental Services, Jefferson Parish, LA. BFM had previously executed a Route Topographic Survey for the project site, which had included all plan & profile surveying services for utilities, properties, elevations and items necessary to perform any and all engineering and construction work. This supplemental phase included updating all right-of-way (ROW) takings to show the R/W as depicted in plans provided by the engineer. (\$5,920 (fee); 2019)

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

5th & 9th Sewer Lift Station Upgrades, Harvey, Jefferson Parish, LA. BFM's scope involved a topographic survey of the project site, located at the intersection of 5th Avenue & 9th Street. All information associated with the lift station was obtained by BFM; this included top of casting elevation, pipe size/type, direction, and invert elevations. BFM also provided the Finished Floor Elevation of the lift station building and elevation of the electrical slab associated with it. Deliverables included hardcopy and AutoCAD DWG format files. (\$6,790 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician

Project Assignment:

CADD Technician

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

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

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

Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA. A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard. (\$11,390 (fee); 2019)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

NA

Other experience and qualifications relevant to the proposed Project:

Ms. Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with regards with researching in various parishes and cities.

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope, as was Subsurface Utility Engineering (SUE). (\$478,744 (fee); 2020)

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

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, Louisiana</p> <p>AIMS Group, Inc. 4421 Zenith Street Metairie LA 70001</p> <p>Lowell Pitré, P.E., 504-887-7045 ljp@aimsgroupinc.com</p>	<p>The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$32,280 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Bayou Segnette State Park Settlement Reference Marker Checks, Westwego, Jefferson Parish, Louisiana</p> <p>Target Construction 11419 Highway 23 Belle Chase LA 70037</p> <p>504-228-3223</p>	<p>Segnette Park Settlement Reference Marker Checks, Westwego, Jefferson Parish, LA. BFM Corporation provided multiple surveying services for the project at the Bayou Segnette State Park in Jefferson Parish. The scope of services included performing an elevation survey of the settlement monuments at the Bayou Segnette Flood Wall. BFM tied into the controlling monuments for the project and executed a first order level loop through the settlement markers.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$4,080 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, Louisiana</p> <p>GEC, Inc. 3445 N Causeway Blvd Ste 401 Metairie LA 70002-3779</p> <p>Jerome Lohmann, 504-207-6926 jlohmann@gecinc.com</p>	<p>BFM provided surveying services for this Drainage Evaluation Project (PW 2018-024-DR). The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (R/W) of Causeway Boulevard to easterly apparent 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>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$18,350 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Waggaman Canal Relocation Survey, Jefferson Parish, Louisiana</p> <p>CDMSmith 1515 Poydras St Ste 1000 New Orleans LA 70112</p> <p>Jenny Bywater, P.E., 504-799-1168 bywaterje@cdmsmith.com</p>	<p>BFM Corporation was contracted to provide boundary, right-of-way, and topographic surveying services for the project site. Location of improvements were plotted within the designated limits of the survey; this included buildings, fences, light standards, traffic control devices, signage, structures, pavement, and other topographic features. Existing storm sewer and sanitary sewers were located using top of casing; invert elevations were provided on the survey.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$19,940 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Coventry Drainage Pump Stations, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70001</p> <p>Sunina Shrestha, 504-885-4080 SShrestha@ecmconsultants.com</p>	<p>Coventry Drainage Pump Stations, Jefferson Parish, LA. BFM provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The limits of survey extended from r/w to r/w along Jefferson Highway. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). Drone Surveying was a key element of the project. The hydrographic survey extended 500 feet into the river from the water's edge.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$89,780 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, Louisiana</p> <p>Infinity Engineering Consultants, LLC 4001 Division Street Metairie LA 70002</p> <p>Raoul Chauvin, P.E., 504-304-0548 rchauvin@infinityec.com</p>	<p>Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA. BFM's surveying services included topographic and boundary surveys and a construction benchmark certificate (CBM). The scope of services included establishing a baseline parallel to the street, with points of intersection referenced by three point ties to topographic features in the area. Existing storm sewer and sanitary sewer structures with top of casting and invert elevations were noted on the survey. BFM also provided a FEMA Flood Elevation Certificate when requested by the Project Engineer.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	N/A	\$6,620 (fee)

TEC Professional Services Questionnaire

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

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Fisher Basin Alignment Extension (Fisher/Lafitte Tidal Protection Alignment), Jefferson Parish, Louisiana</p> <p>Brown Cunningham Gannuch 3012 26th Street Metairie LA 70002</p> <p>Ann Sprinston, 504-454-3866 aspringston@ardurragroup.com</p>	<p>BFM provided topographic, bathymetric, and boundary surveying services for the project. The scope of services included extension of the project baseline along the shoreline of Bayou Barataria and towards LA45. The topographic survey was executed with sufficient intermittent shots to establish grade, and located all topographic features that could interfere with the proposed floodwalls and levee. Cross sections were also taken, with hydrographic surveys continuing out into the water and terminating at the thalweg. Overall, the surveying and mapping included sufficient topographic surveys and cross sections necessary to design, layout, access, construct, and perform the work.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$12,197 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>USACE W912HY-09-C-0015, WBV-24, Segnette State Park Floodwall, Jefferson Parish, Louisiana</p> <p>David Boland, Inc. Post Office Box 1870 Titusville FL 32781-1870</p> <p>Jason Whitworth, 321-269-1345</p>	<p>BFM provided surveying services – including benchmarks, wall line points, settlement reference marks, and as-built survey – for the West Bank and vicinity of the Segnette State Park Floodwall for this hurricane protection project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	N/A	\$53,506 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, Louisiana</p> <p>Hartman Engineering, Inc. 16563 Airline Hwy Ste A&B Prairieville LA 70769</p> <p>Jared Monceaux, P.E., 225-313-4617 jmonceaux@harteng.com</p>	<p>BFM executed a Route Topographic Survey for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area (Allo Street) extended from 4th Street to 6th Street.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	N/A	\$12,855 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	<div style="border: 1px solid black; padding: 5px; margin: 0 auto; width: 80%;"> <p><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p> </div>	
2.		
3.		
4.		

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 • PROFESSIONAL TRAINING AND RELEVANT PROJECT EXPERIENCE

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

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

Our capabilities include the following and more:

- **Topographic Surveying**
- **Drone Surveying / Photogrammic and LiDAR**
- **Bathymetric / Hydrographic Surveys**
- **Property, Boundary, and Right-of-Way Surveys**

TEC Professional Services Questionnaire

N. continued.

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

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

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

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42-megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can capture 50 acres of land in that time (with a flight ceiling of 165 feet, pixel quality is 0.71 CM). This allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

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

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

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

TEC Professional Services Questionnaire

N. continued.

CRITERIA 2 • SIZE OF FIRM

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

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

CRITERIA 3 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

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

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

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

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

CRITERIA 4 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

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

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

TEC Professional Services Questionnaire

N. continued.

- **Neil Schneider, CCM, P.E.**, Director, Capital Projects, Jefferson Parish Public Works Department (504-736-6783 | JPPW@jeffparish.net)
- **Angela DeSoto, P.E.**, Director of Engineering, Jefferson Parish (504-736-6511 | ADeSoto@jeffparish.net)
- **Sid Trouard, P.E.**, Program Manager, Jefferson Parish Sewerage Capital Improvement Program (504-736-6386 | STrouard@jeffparish.net)
- **Tom Schreiner**, Deputy CAO, Public Works & Capital Projects, City of Kenner (504-468-7515 | tschreiner@kenner.la.us)
- **Greg Cromer**, Mayor, City of Slidell (985-646-4333 | gcromer@cityofslidell.org)

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

CRITERIA 5 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 6 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

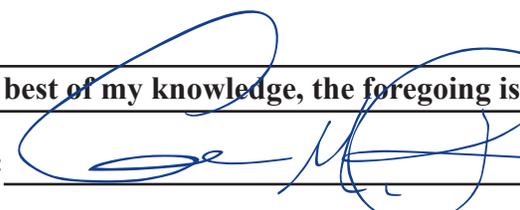
BFM Corporation is **not involved in litigation with Jefferson Parish** nor with any of our clients, as is noted in *Item M* of this form.

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

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

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience**, including nearly 40 years with BFM. He has provided professional surveying services for **thousands of projects for and throughout Jefferson Parish**. Additional information beyond the scope of this RFQ response is available upon request.

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

Signature:  Print Name: Chad M. Poché, P.E.
Title: Executive Vice President Date: April 12, 2022

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

Name:	Public Address:
BFM Corporation, LLC	15 Veterans Memorial Boulevard Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000008	Active	09/11/1984	09/30/2023	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329 - Active



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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number	Expiration Date
PLS.0004329	09/30/2022

Status: **Active**



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

Mr. Chad Mitchell Poche

License/Certificate Type - Number	Expiration Date
PE.0027667	09/30/2022

Status: **Active**



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

Mr. Gary James Lambert Jr.

License/Certificate Type - Number	Expiration Date
PLS.0005259	03/31/2023

Status: **Active**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

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

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

This certification is valid from 9/28/2021 to 9/28/2022 .

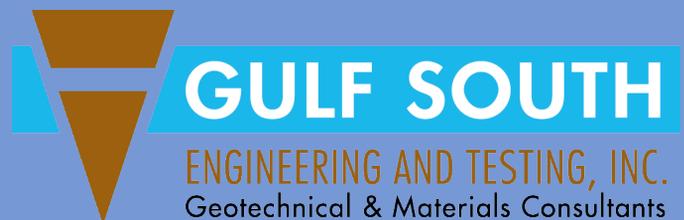
Certification No. 9551

Stephanie Hartman,
Director, Small Business Services

4. GULF SOUTH ENGINEERING AND TESTING, INC.

Subconsultant: Geotechnical Engineering

- TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant

SOQ 22-016 | Resolution No. 139147

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard

Kenner LA 70062

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

Chad M. Poché, P.E., Principal/Vice President

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

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

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

Chad M. Poché, P.E., Principal/Vice President

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

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

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

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

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

32* TOTAL

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

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

TEC Professional Services Questionnaire

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

1. N/A

2.

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

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

Name & Address:	Specialty:	Worked with Prime Before (Yes or No):
1. N/A		
2.		
3.		

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

32 (all personnel will be available to the project; individuals to be assigned)

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.
Vice-President

Project Assignment:

Engineering Manager; Geotechnical Engineer

Name of Firm with which associated:



Years experience with this Firm:

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

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

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

Other experience and qualifications relevant to the proposed Project:

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. (continued)

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)

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)

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)

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)

Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, LA.

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

Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, LA.

Engineering analysis review of alternative pile type/size recommendations (provided by Client) for drainage structure site in Jefferson Parish, near Lafitte, LA. Gulf South's scope includes engineering analysis consisting of LPILE analysis and general construction recommendations. (\$5,000 (fee); 2016)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Blake E. Vutera, P.E.
Engineering Manager

Project Assignment:

Geotechnical Engineer

Name of Firm with which associated:**Years experience with this Firm:**

10 years with this firm (2012); 16 years total (2006)

Education: Degree(s)/Year/Specialization:

M.S., 2018, Civil Engineering, University of New Orleans
Certification - Coastal Engineering, 2018, University of New Orleans
B.S., 2008, Civil Engineering, Louisiana State University

Active registration: Year first registered/discipline:

2013, Civil Engineer, Louisiana, No. 38607
2018, Professional Engineer, Texas No. 129410

Other experience and qualifications relevant to the proposed Project:

Mr. Vutera serves as Gulf South's Engineering Manager and is based in Gulf South's Kenner, LA office. His experience with the firm includes daily work on geotechnical engineering projects as well as managing all geotechnical investigations and providing assistance with laboratory testing and construction materials testing and inspection. Engineering analyses that Mr. Vutera routinely performs include: shallow and deep foundations, slope stability analyses, settlement estimates, and pavement design. He is responsible for engineering design, report preparation, proposal preparation, personnel management, project management, and client interaction.

Mr. Vutera's field work consists of borehole logging; installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); pavement coring; nuclear field density tests; and hand augers. Mr. Vutera has been the geotechnical engineer of record for hundreds of projects throughout his career.

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

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

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

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)

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)

Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, LA.

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

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)

Soniat Canal Stabilization, Harahan, Jefferson Parish, LA.

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

Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA.

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

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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:**Years experience with this Firm:**

11 years with this firm (2011); 16 years total (2006)

Education: Degree(s)/Year/Specialization:

A.D., 2011, General Studies, Nunez Community College

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Mr. Binder has direct experience with field and laboratory testing services, and is NICET certified in multiple disciplines, including Construction Materials Testing Soils, Geotechnical Engineering Technologies Exploration, and Geotechnical Engineering Technologies Laboratory (Level I). Mr. Binder'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.

- *HAZMAT Awareness*
- *HAZMAT Operations Training*
- *ACI Aggregate Base Testing Technician*

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

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Joseph H. Binder, III (continued)

Proposed Estuary Mitigation Bank (EMB) GIWW - Deadend Canal, Vendome Canal, Hockey Stick Canal, Crown Point, Jefferson Parish, LA. Geotechnical investigation for construction of a new wetland restoration project near Crown Point, LA. Gulf South's scope includes drilling nine soil borings to depths of 15 and 40 feet in water and marsh, lab testing (including settlement column test), and geotechnical engineering analysis including estimates of settlement, time rate of settlement, borrow/fill ratios, and general construction recommendations. (\$26,500 (fee); 2016)

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)

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)

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

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)

Submerged Roads Program - 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)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Sara E. Lockwood, E.I.
Graduate Geotechnical Engineer

Project Assignment:

Graduate Geotechnical Engineer/Engineering Intern

Name of Firm with which associated:



Years experience with this Firm:

3 years with this firm (2019); 5 years total (2017)

Education: Degree(s)/Year/Specialization:

B.S., 2019, Civil Engineering, University of New Orleans
B.S., 2016, Physics, Loyola University

Active registration: Year first registered/discipline:

2020, Engineering Intern, Louisiana, No. EI.0034718

Other experience and qualifications relevant to the proposed Project:

Ms. Lockwood recently joined Gulf South Engineering and Testing and is serving as a Graduate Engineer, providing such duties as project management, geotechnical engineering analyses, and field & laboratory testing & inspection. Her coursework included such disciplines as foundation engineering, soil mechanics, geotechnical engineering, structural concrete & structural steel design, and sustainability principals. She worked as an intern during her college career for a local consulting group, assisting on a variety of environmental studies for infrastructure projects, and preparing regulatory permit applications, as well as preparation of various components of Louisiana DEQ and NEPA documents.

- Society of Women Engineers
- American Society of Civil Engineers

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

Lake Cataouatche 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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

Sarah E. Lockwood (continued)

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

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)

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

South Toledo Bend State Park Roadway, Culvert, and Erosion Repair, Toro, Sabine Parish, LA. Geotechnical engineering services for the reconstruction of existing roadways (Bald Eagle Road and Aquilla Road), below ground drainage, and embankment stability improvements at S. Toledo Bend State Park located south of Toro in Sabine Parish, LA. Gulf South's scope includes drilling 13 undisturbed soil borings (depths of 40 ft. & 6 ft. below the ground surface), two inclinometers, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$23,000 (fee); 2020)

Bayou Castine Bulkhead Repairs (North Shore Lake Pontchartrain), Mandeville, St. Tammany Parish, LA. Geotechnical engineering services for the replacement of the existing bulkhead along Bayou Castine effluence with Lake Pontchartrain in Mandeville, LA. Gulf South's scope includes drilling two undisturbed soil borings to depths of 30 feet below the ground surface, laboratory testing, engineering analyses (bulkhead design) and general construction procedures and recommendations. (\$6,000 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

James Tiner
Laboratory Manager/Field Supervisor

Project Assignment:

Laboratory Manager/Field Supervisor

Name of Firm with which associated:



Years experience with this Firm:

9 years with this firm (2013); 25 years total (1997)

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:

Mr. Tiner has a quarter-century of experience in both field and laboratory testing & inspection. His field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, steel inspection, augercast pile inspection, vibration monitoring, drilled shaft inspection, static and dynamic pile load tests, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring.

- ACI Grade 1 Certification

In the laboratory, Mr. Tiner has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

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)

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)

TEC Professional Services Questionnaire

Other experience and qualifications relevant to the proposed Project:

James Tiner (continued)

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)

North Lafourche Levee District - Des Allemands Flood Control Improvements, Des Allemands, Lafourche Parish, LA. Geotechnical investigation for construction of flood control structures (earthen levee and/or sheet pile wall) and pavement improvements along Bayou Des Allemands (West Bank) within Lafourche Parish, Des Allemands, LA. Gulf South's scope includes drilling six undisturbed soil borings to depths of 60 feet (4 borings) and 6 feet (2 borings) below ground surface, lab testing, and engineering analyses including slope stability analyses, sheetpile design parameters (Cantilever I-Wall), estimates of settlement, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$19,500 (fee); 2017)

Marsh Island Wildlife Refuge Levee/Bulkhead Repairs (Louisiana DNR), Vermillion Bay, New Iberia, Iberia Parish, LA. Geotechnical investigation for various repairs to a dam, levee, and bulkhead at Marsh Island Wildlife Refuge in Iberia Parish, LA. Gulf South's scope of work includes drilling five soil borings each to a depth of 60 feet using marsh drilling equipment, laboratory testing, and geotechnical engineering services consisting of providing allowable soil bearing values, allowable pile capacities, bulkhead design parameters, slope stability analyses, estimates of settlement, and general construction recommendations. (\$51,250 (fee); 2014)

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 (WWTP) North Expansion, Baton Rouge, LA. Gulf South provided geotechnical investigation for improvement and new facilities in Baton Rouge, LA. Structure size and location varies over an existing 19 acres (approx.) site. New facilities are proposed over a 3-acre site, north of the existing site. Scope of work included drilling 31 soil boring to varies depths ranging from 25 to 100 feet below the ground surface. Install piezometers at 5 locations. (\$95,000 (fee); 2015)

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)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>André C. Monnot, P.E., 985-624-5001 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 (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$7,500 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Soniat Canal Stabilization, Harahan, Jefferson Parish, Louisiana</p> <p>Shread-Kuyrkendall & Assoc., Inc. 104 Campus Drive East, Suite 102 Destrehan LA 70047</p> <p>Steven Breeding, 985-764-4060 sbreeding@skaengr.com</p>	<p>Geotechnical engineering services for the construction of the stabilization of the east bank of Soniat Canal for approximately 1,700 linear feet in Harahan, LA. Gulf South's scope includes drilling three undisturbed soil borings to depths of 50 feet below the ground surface, laboratory testing, engineering analyses (slope stability analysis) and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$10,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1201 Clearview Parkway Suite 200 Metairie LA 70001</p> <p>Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing levee to the protected side.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	N/A	\$35,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Bayou Des Allemands Gate, Upper Barataria Risk Reduction (UBRR) Program Segment 3, St. Charles Parish, Louisiana</p> <p>Lafourche Basin Levee District 21380 Highway 20 Vacherie LA 70090</p> <p>Donald Ray Henry, 225-265-7545 drhenry@lbld.us.com</p>	<p>Geotechnical investigation for construction of a new earthen levee 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., 3 at 75 ft.), CPT probes (6 at 75 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.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	N/A	\$145,885 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Proposed Estuary Mitigation Bank (EMB) GIWW - Deadend Canal, Vendome Canal, Hockey Stick Canal, Crown Point, Jefferson Parish, Louisiana</p> <p>Natural Resources Investment Group, LLC 3801 Woodland Heights Road, Suite 110 Little Rock AR 72217</p> <p>Robert Stainton III, P.E., 501-716-2884 robert@tnrig.com</p>	<p>Geotechnical investigation for construction of a new wetland restoration project near Crown Point, LA. Gulf South's scope includes drilling nine soil borings to depths of 15 and 40 feet in water and marsh, lab testing (including settlement column test), and geotechnical engineering analysis including estimates of settlement, time rate of settlement, borrow/fill ratios, and general construction recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$26,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Engineering Analysis Review (EAR) - Lafitte Tidal Protection Project (Phase I), Lafitte, Jefferson Parish, Louisiana</p> <p>G&S Engineering, LLC Post Office Box 71 Mandeville LA 70470</p> <p>Scott Gros, 504-744-0630 scottgros@gmail.com</p>	<p>Engineering analysis review of alternative pile type/size recommendations (provided by Client) for drainage structure site in Jefferson Parish, near Lafitte, LA. Gulf South's scope includes engineering analysis consisting of LPILE analysis and general construction recommendations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	\$5,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana</p> <p>Ardurra Group, Inc. 3012 26th Street Metairie LA 70002</p> <p>Joe Becker, P.E., 504-454-3866 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>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	N/A	\$8,500 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor), Jefferson Parish, Louisiana</p> <p>PECC 3702 Bienville Avenue, Suite C New Orleans LA 70119</p> <p>John Shires, P.E., 800-749-2810 jshires@pecla.com</p>	<p>Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor in Metairie, LA. Gulf South's scope of work included drilling four soil borings to depths of 15 and 50 feet, 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.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Verrett Canal Slope Instability Project, West Bank Drainage Department, Harvey, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Engineering Department 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123</p> <p>Clinton Hotard, 504-736-6500 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>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$5,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's Contact Information:	Nature of Firm's Responsibility:	
<p>Canal Bank Stabilization, Wayne Avenue at West Bank Expressway, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Drainage Department 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123</p> <p>Clinton Hotard, P.E., 504-736-6759 chotard@jeffparish.net</p>	<p>Geotechnical engineering analysis for a canal bank along Wayne Ave. at West Bank Expressway intersection in Bridge City, LA. Gulf South's scope includes geotechnical engineering analysis consisting of slope stability analysis, sheetpile design recommendations, and general construction recommendations. Gulf South was contracted by Jefferson Parish to provide geotechnical engineering expertise for ongoing stability issues along the canal bank.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$5,000 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

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



CRITERIA 1 • PROFESSIONAL TRAINING AND RELATED EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and over two dozen employees. Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

Gulf South is a woman-owned, Hudson Initiative-certified & Regional Transit Authority-recognized small business in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

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

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

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

Field Investigation Services

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

Laboratory Testing Services

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff.

Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.

Construction Materials Testing & Inspection

Gulf South provides a full range of construction materials testing and inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided by the Gulf South team includes:

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

TEC Professional Services Questionnaire

N. continued.

- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring

We have provided construction testing and oversight for projects as small as fill for a house pad to as **large as the \$1.2 billion Louis Armstrong New Orleans International Airport New Terminal** project.

CRITERIA 2 • SIZE OF FIRM

At well over two dozen employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South is able to readily meet the time and budget constraints for projects assigned to this contract. Our current work load is such that we can expeditiously complete projects for this contract.

CRITERIA 3 • CAPACITY FOR TIMELY COMPLETION OF NEWLY-ASSIGNED WORK

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana for since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

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

As evidenced in the provided projects & personnel résumés, key personnel past experience includes the completion of thousands of projects in the region throughout their careers for a broad range of clients, including both the government and private sectors. We are able to submit data in formats acceptable and customized to our clients' needs.

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

CRITERIA 4 • PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. We are proud that a majority of its work is from repeat clients –we complete our projects on-time and within budget. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).**

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

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

TEC Professional Services Questionnaire

N. continued.

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

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

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

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

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

CRITERIA 5 • LOCATION OF PRINCIPAL OFFICE

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

CRITERIA 6 • ADVERSARIAL LEGAL PROCEEDINGS WITH PARISH

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

CRITERIA 7 • PAST PERFORMANCE ON PARISH CONTRACTS

Gulf South has worked both directly and indirectly for various **Jefferson Parish Departments** (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. This would include, **but not be limited to**, the following:

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

TEC Professional Services Questionnaire

N. continued.

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

Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region.



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

Signature: _____

A handwritten signature in blue ink, appearing to read 'Chad M. Poché', is written over a horizontal line.

Print Name: _____

Chad M. Poché, P.E.

Title: _____

Vice President

Date: _____

April 12, 2022

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

Name:

Gulf South Engineering and Testing, Inc.

Public Address:

Mr. Chad Poche, PE 15 Veterans Memorial Boulevard
Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2023	Mr. Chad Mitchell Poche # PE.0027667 - Active



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

Mr. Chad Mitchell Poche

License/Certificate Type - Number	Expiration Date
PE.0027667	09/30/2022
Status: Active	



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

Mr. Blake Elliot Vutera

License/Certificate Type - Number	Expiration Date
PE.0038607	09/30/2022
Status: Active	



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

Ms. Sara Elinor Lockwood

License/Certificate Type - Number	Expiration Date
EI.0034718	03/31/2023
Status: Active	



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

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number	Expiration Date
PLS.0004329	09/30/2022
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 2/25/2022 to 2/25/2023 .

Certification No. 11011

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

**Stephanie Hartman,
Director, Entrepreneurial Services**





Regional Transit Authority

July 1, 2021

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

Dear Ms. Poche:

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

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

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

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

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

Sincerely,

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

Adonis C. Expose
DBE/SBE Liaison Officer III

2817 Canal Street | New Orleans, Louisiana 70119 | 504-827-8300 | www.RTAforward.org



GULF SOUTH

ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants



CERTIFICATE OF ACCREDITATION



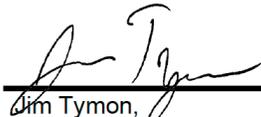
Gulf South Engineering and Testing, Inc.

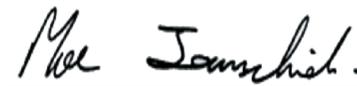
in

Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

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



USACE CERTIFICATE
OF
LABORATORY VALIDATION



Gulf South Engineering and Testing

15 Veterans Memorial Blvd
Kenner, LA, United States
Trey Binder
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

02 JUN 2020 AT 18:10 HOURS

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

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

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

SOILS

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



5. ELOS ENVIRONMENTAL, LLC

Subconsultant: Biological and Environmental Assessment

- **TEC Professional Services Questionnaire**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

B. Firm Name & Address:

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

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

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

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

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:
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:

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

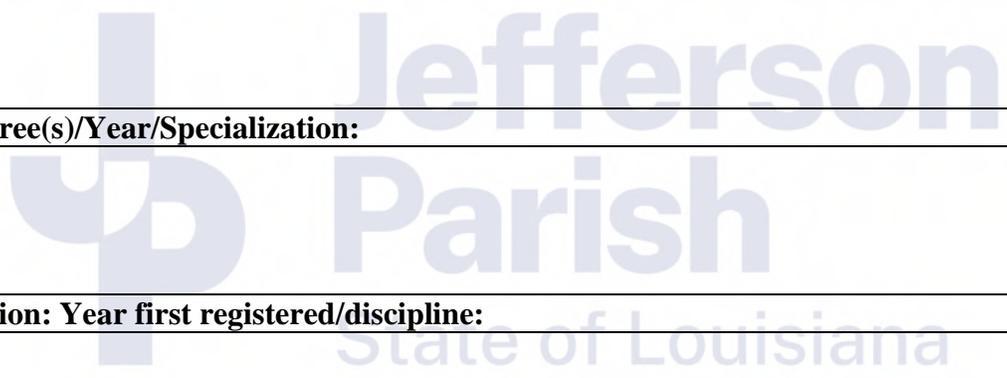
KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the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

TEC Professional Services Questionnaire

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

TEC Professional Services Questionnaire

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



TEC Professional Services Questionnaire

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

PROJECT NO. 1

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

PROJECT NO. 2

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

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

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A	N/A	N/A
2.		
3.		
4.		

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

ELOS Environmental, LLC (ELOS) is a professional services consulting firm that was established in 2006 by two young entrepreneurs from Tangipahoa Parish, Louisiana. Since its founding, ELOS has become one of the premier professional services consulting companies in the state of Louisiana, performing a variety of environmental services and managing projects at all levels of government. ELOS is a privately owned Limited Liability Company and a certified Small Business (Certification No. 11198).

ELOS's familiarity with federal, state, and local agency staff and processes in combination with expertise in relevant scientific technologies results in streamlined environmental services for our clients, saving them time and money. ELOS has worked on government and private projects across the state of Louisiana and in neighboring states.

Our services include:

- Program Management
- NEPA Compliance
- Endangered Species Surveys
- Environmental Monitoring
- Mitigation Consultation
- Wetland Restoration
- Wetland Delineations
- Permit Applications
- Cultural Resources Services
- GIS Mapping Services
- Drone Services
- Disaster Recovery
- Industrial Hygiene Services
- Renewable Energy Site Selection

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

Signature:  Print Name: Lucas Watkins
 Title: President Date: 4/12/22

6. MATHES BRIERRE ARCHITECTS

Subconsultant: Landscaping Architecture

- TEC Professional Services Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 22-016 - Bucktown Building Resilient Infrastructure and Communities (BRIC) Scoping Grant

B. Firm Name & Address:

Mathes Brierre Architects
201 St. Charles Avenue, Suite 4100
New Orleans, Louisiana 70170-4100

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:

E. Will Tregre, II, President
Louisiana Certificate No. 4158
(504) 586-9303 – telephone
wtregre@mathesbrierre.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.

Keith Scarmuzza
Louisiana Certificate No. S-332

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

<p><u>6</u> Administrative</p> <p><u>11</u> Architects (Licensed)</p> <p><u> </u> Chemical Engineers</p> <p><u> </u> Civil Engineers</p> <p><u>2</u> Construction Inspectors</p> <p><u> </u> Ecologists</p> <p><u> </u> Electrical Engineers</p> <p><u> </u> Engineer Intern</p> <p><u> </u> Professional Land Surveyors</p>	<p><u>1**</u> Estimators</p> <p><u> </u> Geologists</p> <p><u> </u> Geotechnical Engineers</p> <p><u>2</u> Interior Designers</p> <p><u>2</u> Landscape Architects</p> <p><u> </u> Land Surveyor</p> <p><u> </u> Mechanical Engineers</p> <p><u> </u> Environmental Engineers</p> <p><u>1</u> Architects (Interns)</p>	<p><u>1*</u> Specification Writers</p> <p><u> </u> Structural Engineers</p> <p><u> </u> Graduate Engineers</p> <p><u> </u> Project Managers</p> <p><u> </u> Clerical</p> <p><u> </u> Grant/Funding Specialist</p> <p><u> </u> Sanitary Engineers</p> <p><u>24</u> TOTAL</p>
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* Specification Writer is also one of the Licensed Architect **Estimator is also one of the Construction Inspector.

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.
N/A

2.
N/A

H. Has this JOINT-VENTURE previously worked together? Please check:
 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. None	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A

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

2

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:

E. WILL TREGRE, II, AIA, President

Project Assignment:

Principal-in-Charge of Firm participation (Landscape Architecture)
Mr. Tregre will execute any agreements necessary, during this project, with the Prime. He will monitor progress and budgets.

Name of Firm with which associated:

Mathes Brierre Architects
201 St. Charles Avenue, Suite 4100
New Orleans, Louisiana 70170-4100

Years' experience with this Firm:

36 years with MBA

Education: Degree(s)/Year/Specialization:

University of Louisiana Lafayette, School of Architecture, Lafayette, LA
Bachelor of Architecture, 1984

Active registration: Year first registered/discipline:

1990 Architecture 4158 Louisiana Certificate

Other experience and qualifications relevant to the proposed Project:

With over 36 years of experience, Mr. Tregre has managed every project type for the firm. He has served as an expert witness for several litigation cases from slip-and-fall cases to ADA Consultations. Will is also a Board Member for the City Park Improvement Association since 2001.

Southern Yacht Club – Master Planning Recommendations, New Orleans, Louisiana
New St. Bernard Parish Public Library, Meraux, Louisiana
Grambling University, Library Replacement, Grambling, Louisiana
Amarillo Gear Services, Landscape Services
School of Rock Build-out – Backbeat Investment Group, Metairie, Louisiana
AT&T Chiller Replacement, Metairie, Louisiana
Chevron Northpark, Interiors, and Site Utilization Analysis, Covington, Louisiana
Wren Street Multi-Family Development, New Orleans, Louisiana – 60,000 square feet on 1.38 acres
Walle Building Condominium Association, Reroofing and Waterproofing – 410 Natchez Street, New Orleans, Louisiana
New Orleans Riverfront Development, New Orleans, Master Planning / Charrette

Communications: AT&T Bonabel, Shed Demolition, Metairie, Louisiana
AT&T Chiller Replacement, Metairie, Louisiana
Baton Rouge Main: Generator Building and Electrical Upgrade
Managed AT&T's Construction Portfolio for Louisiana, Mississippi and Alabama - Averaged \$10 million annually, consisting of approximately 100 projects per year.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
KEITH SCARMUZZA, RLA, ASLA, Vice President / Landscape Studio Manager
Project Assignment:
Senior Landscape Architect, Landscape Project Manger
Name of Firm with which associated:
Mathes Brierre Architects 201 St. Charles Avenue, Suite 4100 New Orleans, Louisiana 70170-4100
Years' experience with this Firm:
10 years with MBA, 25 Total
Education: Degree(s)/Year/Specialization:
Louisiana State University, College of Design, Baton Rouge, LA Bachelor of Landscape Architecture, 1992 University of New Orleans, College of Business, New Orleans, LA Master of Business Administration, Finance Concentration, 2011
Active registration: Year first registered/discipline:
2000 Landscape Architecture 0481 Louisiana
Other experience and qualifications relevant to the proposed Project:
Regional Planning Commission, New Orleans, Louisiana • 2017 - Marconi Drive Feasibility Study – Management and Design • 2016 - LA 22 Corridor Improvements, Feasibility Study – Design and Manage • 2016 - US 61/Airline Highway Streetscaping Improvements, Feasibility Study - Design and Manage • 2014 - Feasibility Study for Leake Avenue Improvements - Design and Manage • 2008 - New Orleans Medical District Transportation and Land Use Master Plan. - Urban planning and urban design concepts for the district, including gateway and wayfinding features, smart-growth transportation plans, pedestrian and bicycle amenities, open space and street-wall components, aesthetic qualities and utilitarian features. - Design and Manage • 2003 - Design and Study for Streetscape Enhancements for the Museum District, New Orleans. Identify enhancement issues, priorities, and strategies for the growing Museum District in New Orleans. - Design and Manage • 2002 - Interstate-10 Landscape Enhancements, New Orleans, Louisiana. - Highway median landscape planting improvements for a 5 mile stretch of I-10 serving as a gateway to the city and state from the east. Site analysis, design of planting and irrigation, maintenance budgeting and planning, and coordination with potential stakeholders. - Design and Manage

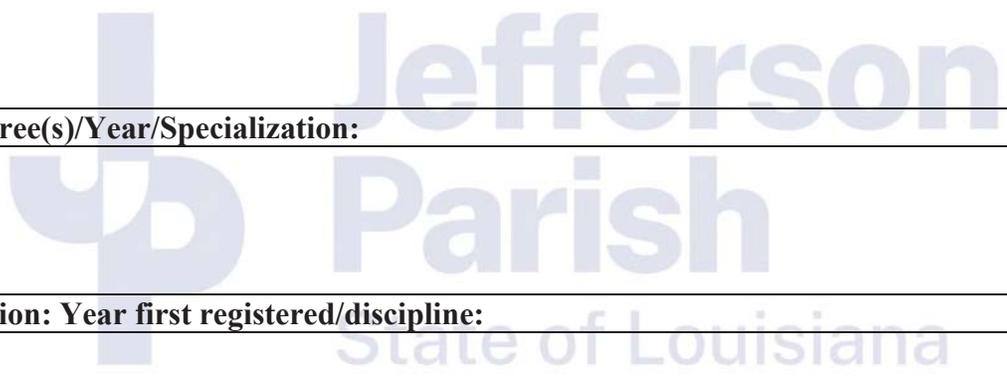
Continued on Page 14.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
SUZANNE B. HERZOG, RLA, ASLA, Landscape Architect
Project Assignment:
Landscape Architect
Name of Firm with which associated:
Mathes Brierre Architects 201 St. Charles Avenue, Suite 4100 New Orleans, Louisiana 70170-4100
Years' experience with this Firm:
15 years with MBA, 18 Total
Education: Degree(s)/Year/Specialization:
Louisiana State University, College of Design, Baton Rouge, LA Bachelor of Landscape Architecture, 1999
Active registration: Year first registered/discipline:
2006 Landscape Architecture 0555 Louisiana
Other experience and qualifications relevant to the proposed Project:
Regional Planning Commission, New Orleans, Louisiana: <ul style="list-style-type: none">• 2017 - Marconi Drive Feasibility Study – Project Management and Design• 2016 - LA 22 Corridor Improvements, Feasibility Study – Design Support• 2016 - US 61/Airline Highway Streetscaping Improvements, Feasibility Study – Design Support• 2014 - Feasibility Study for Leake Avenue Improvements• 2004 - Interstate-10 East Median Landscape Enhancement – Design Support• 2002 - LA 23 Highway Median Enhancements – Design Support• 2004 - Wisner Bike Path – Design Support• 2008 - Medical District Masterplan – Design Support Continued on Page 14.

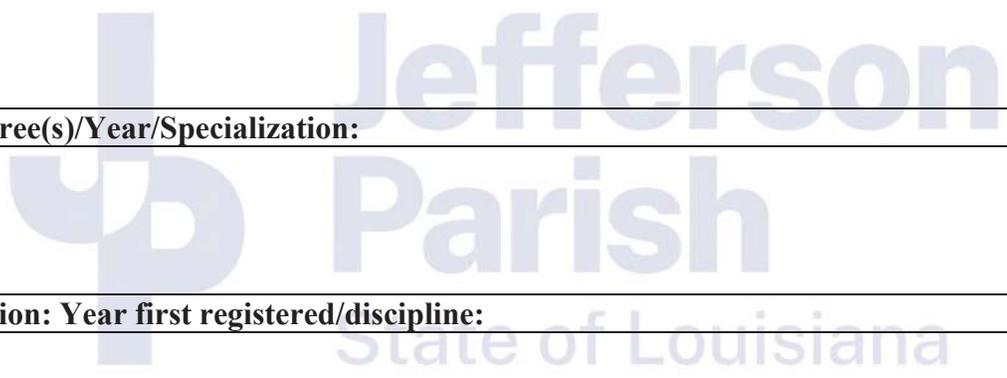
TEC Professional Services Questionnaire

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



TEC Professional Services Questionnaire

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



TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Marsh Island Restoration Lafreniere Park 3000 Downs Blvd. Metairie, Louisiana Barry McGuinness Jefferson Parish Parks and Recreation bmcguinness@jeffparish.net	Due to significant degradation over time, restoration of Marsh Island to its approximate 1975 original size was desired. The Architects/Landscape Architects prepared documents to install sheeting to prevent future island erosion, dredging of the existing pond to increase water depth to approximately 4', additional dredging of a small area to a depth of 10', installation of an aeration system in the 10' depth area, new tree and marsh plantings throughout, new landscape lighting, new interpretive signage and new benches.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Planning Only – March 2017	\$1,130,000 (E)	Architecture, Landscape Architecture, Management of Civil, Electrical, and Consulting Engineers

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
US Highway 61 Streetscape Improvements La Place, Louisiana Regional Planning Commission 10 Veterans Memorial Blvd. New Orleans, LA 70124 Owner's Project Manager: Lynn Dupont 504.483.8500	Mathes Brierre Architects was selected by the Regional Planning Commission (RPC) to evaluate sidewalk conditions and needed ADA improvements along 1.3 miles of the US Hwy 61 Corridor, also known as West Airline Highway. St. John the Baptist Parish intends to establish the project corridor as an "urban corridor" with the goal of slowing traffic and providing intermodal access to destinations within the corridor. Mathes Brierre's proposal includes new sidewalks, landscaping, ADA compliance upgrades, and bicycle and pedestrian safety improvements at major intersection locations. The project is being carried out in coordination with St. John Parish and LADOTD District 62 office. The primary design team for Mathes Brierre included Keith Scarmuzza, ASLA, and Suzanne Herzog, ASLA.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2016	\$40,000	\$22,500

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>LA Highway 22 Corridor Improvements Ponchatoula, Louisiana</p> <p>Regional Planning Commission 10 Veterans Memorial Blvd. New Orleans, LA 70124</p> <p>Owner's Project Manager: Walter Brooks wbrooks@norpc.org 504.583.8500</p>	<p>Mathes Brierre Architects was authorized by the Regional Planning Commission (RPC) to develop and evaluate an area along the LA Hwy 22 Corridor in the downtown Ponchatoula Historic District. The goal of the project is to determine the feasibility of altering the geometry of the roadways to enhance the pedestrian experience, to bring sidewalks up to ADA standards, to beautify and improve the appearance of the LA Hwy 22 Corridor, and to increase connectivity between the historic main street and the nearby neighborhoods. Mathes Brierre's proposed improvements include reducing the width of travel lanes, incorporating landscaped bumpouts, reducing overall impervious paving, drainage improvements, and a new shared bike/pedestrian path that is part of a larger regional path network. Mathes Brierre led a team that worked with the City of Ponchatoula, the Louisiana Department of Transportation, and the RPC to develop the vision for this project that is part of continued revitalization of the City of Ponchatoula.</p> <p>The primary design team for Mathes Brierre included Keith Scarmuzza, ASLA, and Suzanne Herzog, ASLA.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2016	\$2,000,000 Estimated Construction Cost	\$25,000 Fee Portion

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Galvez Street Streetscape New Orleans, LA</p> <p>City of New Orleans Department of Public Works 1300 Perdido Street New Orleans, Louisiana 70112</p> <p>Owner's Project Manager: Joshua Hartley jwhartley@nola.gov 504.658.8042</p>	<p>Mathes Brierre Architects worked as a sub-consultant to N-Y Associates on this Streetscape Enhancement project for S. Galvez Street between Tulane Avenue and Canal Street. S. Galvez Street will serve as the front door for both the VA and University Medical Center campuses. Mathes Brierre provided landscape architectural services, working closely with stakeholders from the VA, UMC, and City of New Orleans to develop a design for the S. Galvez Streetscape that would complement both medical campuses and enhance the street for the public. The design includes wider sidewalks, enhanced pedestrian crosswalks, landscaping, pedestrian and vehicular lighting, bike paths and transit facilities, and a public art installation.</p> <p>The primary design team for Mathes Brierre included Keith Scarmuzza, ASLA, and Suzanne Herzog, ASLA</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2015	\$4,650,000	\$150,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Marconi Stage 0 Feasibility Study</p> <p>New Orleans, Louisiana</p> <p>Regional Planning Commission 10 Veterans Memorial Blvd. New Orleans, LA 70124</p> <p>Owner's Project Manager: Lynn Dupont 504.483.8500</p>	<p>Mathes Brierre Architects (MBA) was the prime consultant on the job and developed design alternatives for the Marconi Drive corridor that addressed increase safety for people walking, bicycling, and driving. The design team also looked at and provided connections between the existing pedestrian and bicycle facilities along Marconi and adjacent corridors. MBA produced conceptual design and cost estimates for the proposed preferred alternative which was consistent with the latest RPC/DOTD Access Management and Complete Streets policies.</p> <p>Keith Scarmuzza and Suzanne Herzog were both integral in the design and production of the proposed improvements and the report. They worked with Urban Systems as a subconsultant on this project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2018	\$50,000 Total Fee	\$24,000 Fee Portion

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Leake Avenue Stage 0 Feasibility Report</p> <p>Regional Planning Commission 10 Veterans Memorial Blvd. New Orleans, LA 70124</p> <p>Owner's Project Manager: Meredith Soniat msoniat@norpc.org 504.483.8522</p>	<p>Mathes Brierre Architects was part of a team to prepare a Stage 0 Feasibility Study for the Leake Avenue Corridor. The project goals included roadway realignment to improve pedestrian access and alternative transportation, as well as beautification of the corridor and sustainable stormwater management solutions. The team coordinated with multiple city and federal agencies, as well as 5 different neighborhood stakeholder groups to determine the most advantageous alternatives. Mathes Brierre Architects researched and compiled project data, met with stakeholders to develop design criteria and receive their feedback on the design alternatives that they developed, and documented the planning and design process in the final report.</p> <p>The primary design team for Mathes Brierre included Keith Scarmuzza, ASLA, and Suzanne Herzog, ASLA.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2014	\$150,000 Estimated Construction Cost	\$60,000 Fee Portion

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Harriet Tubman Montessori School Crescent City Schools 201 St. Charles Avenue, Floor 39 New Orleans, LA 70170 Owner's Project Manager: Kurt Weigle kweigle@neworleansdowntown.com 504.561.8927	The administrators of Harriet Tubman Montessori School requested that the grounds of the new school be designed to maximize opportunities for outdoor instruction and nature immersive play, both programmed and unscripted, throughout the day for the students of this Pre-K to 4th grade school. Despite a very limited budget, Mathes Brierre developed a plan that utilized the entire site, with a naturalistic aesthetic, and design features including outdoor classrooms, nature explore play areas, active climbing structures, and large open lawn areas. The project also met full stormwater flow reductions for the entire complex within the play areas. The primary design team for Mathes Brierre included Keith Scarmuzza, ASLA, and Suzanne Herzog, ASLA.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2020	\$550,000 Landscape \$3.5 Million Building	Entire project fee

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Sustainable Parking Lot Design The Blood Center Canal Street New Orleans, Louisiana Warren Dupre, Construction Manager 2609 Canal Street New Orleans, LA 70119 504-832-3719 – cell	In response to the client's initial request for a utilitarian concrete parking lot, the landscape architects saw an opportunity for a more sustainable parking design within a limited budget. The design distributes stormwater catch basins throughout the site within a series of landscaped bioswales. Some of these basins are elevated in swales to function as overflow weirs during periods of extreme rainfall and soil saturation, which slows stormwater runoff and alleviates localized street flooding by reducing pressure on already overtaxed municipal drainage. The project is one of very few examples in New Orleans of a responsible approach to on-site stormwater management at a project site scale.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2013	\$4,600,000 (includes Architecture)	Prime Landscape Architecture

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Medical District Streetscape Plan New Orleans, Louisiana City of New Orleans, Department of Public Works Mr. Richard Scheirman 1300 Perdido Street New Orleans, Louisiana 70112 504-658-8042 rscheirman@nola.gov	As part of the process for development of new Medical Center facilities in Downtown New Orleans, the City of New Orleans hired Mathes Brierre Architects as part of a team to evaluate the current state of public Right-of-Way infrastructure in the area of the Medical Center site, determine improvements that will be necessary to facilitate the new development, and formulate a budget plan to implement those improvements. The types of improvements which the study addressed were roadway aesthetic or functionality improvements, sidewalk reconfigurations and enhancements, public transit stop improvements, pedestrian safety improvements, site furnishing recommendations, wayfinding signage opportunities, planting enhancements, and lighting recommendations. Mathes Brierre coordinated with all public agencies, the medical centers and their A/E design teams, and engineers developing new utility infrastructure for the development. 100% percent of this project was completed in Louisiana.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	\$4,000,000	Landscape Architecture, Streetscape Design

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
NWWII Museum Battle Barksdale Parade Ground New Orleans, Louisiana Mr. Robert W. Farnsworth The National World War II Museum 945 Magazine Street New Orleans, Louisiana 70130 (504) 527-6012 – phone ext. 450 Bob.farnsworth@nationalww2museum.org	Mathes Brierre Architects worked with civil engineers at Morphy Makofsky engineers to develop the stormwater management for the Battle Barksdale Parade Ground as part of the City requirements. With such a high profile project and the complexity of the buildings, it is important to create a design that with allow the full access and usability of the Parade Grounds. The proposed site development comprises of new permeable and impermeable paving area within the Parade Grounds area of the site along with an underground stormwater drainage network.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated 2023	\$750,000	Entire design coordination with Civil consulting

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

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

LANDSCAPE ARCHITECTURE

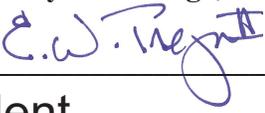
Mathes Brierre Architects has provided professional Landscape Architecture services for many years to complement its strong foundation in Architecture. Landscape Architecture and Planning is performed as an independent studio within the architectural studio environment. In addition to enhancing the design team by strengthening the relationship of buildings to their environment, Mathes Brierre's Landscape Architecture professionals develop effective solutions to unique and diverse challenges such as waterfront revitalization and resort planning, design to site specific details, stormwater management and sustainable landscapes.

Keith Scarmuzza leads the Landscape and Planning Studio with landscape architect Suzanne Herzog, their combined experience of over 45 years brings a new dimension and depth to the Architectural team. As a strong complement to the architectural team, our Landscape Architects are accustomed to working with teams of professionals to establish the best solution to every design challenge.

Mr. Scarmuzza is a licensed Landscape Architect in Louisiana and is very familiar with the scope and goals of the proposed project. Keith has recently been a project leader in many urban planning and revitalization projects throughout Southeast Louisiana, each involving complex issues of economics, environmental conditions, beautification, engineering, transportation and parking, landscaping, alternative modes of transportation and cultural meaning. Along with supporting staff, Keith has guided these projects through open processes including public meetings and presentations, design charrettes, public agency approvals, engineering and architectural coordination, construction phasing, and implementation and operational budget planning.

Ms. Herzog is also a Louisiana licensed Landscape Architect. Ms. Herzog has previously played a key role in the design and implementation of many complete streets improvement projects, including most recently the Marconi Drive Feasibility Study.

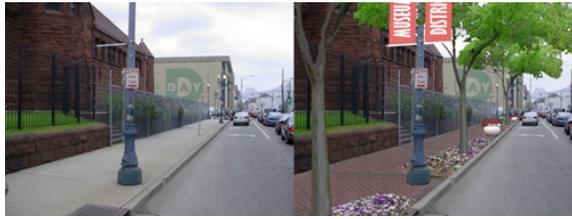
O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: E.W. Tregre, II
 Title: President Date: April 12, 2022

TEC Professional Services Questionnaire Continued

Keith Scarmuzza, RLA, ASLA, Vice President / Landscape Studio Manager

Other experience and qualifications relevant to the proposed Project:



(Image of Museum District mentioned above)

New Orleans Urban Design & Planning Work, New Orleans, Louisiana

- 2006 - Unified New Orleans Plan – District 4 Neighborhood Planning Team Co-Leader
- 2010 - New Orleans UMC/VA Medical Center Streetscape Design, New Orleans, LA –Project Manager and Designer
- 2015 – S. Galvez Streetscape Design, New Orleans, LA - Project Manager and Designer

2014 - Place St. Charles Streetscape Enhancements – New Orleans – Design and Manage
2006 – Present – National WWII Museum Campus and Site Enhancements – Design and Manage

U.S. Army Corps of Engineers, NO District, Parks & Recreation Planning, Landscape Architecture

- Bonnet Carré Spillway – Interpretive Design & Landscape Improvements, Recreation and Historic Preservation Planning, St. Charles Parish, LA
- Aesthetic Treatment of Interim Closure Structures and Pump Stations for New Orleans Outfall Canals. Inner Harbor Navigational Canal Improvements, New Orleans
- Port Allen Lock Master Plan, Port Allen
- Lake End Park, Morgan City

Baton Rouge Levee Top Bike Path



SUZANNE B. HERZOG, RLA, ASLA, Landscape Architect

Other experience and qualifications relevant to the proposed Project:

Downtown Development District, New Orleans, Louisiana:

- 2002 - Urban Graphics Wayfinding Signage – Design Support
- 2012 - Landscape Enhancements around downtown – Design Support
- 2014 - Museum District Streetscape Enhancements – Design Support

U.S. Army Corps of Engineers, New Orleans District, Parks & Recreation Planning, Landscape Architecture

- 2002 - Inner Harbor Navigational Canal Improvements, New Orleans – Design Support
- 2012 - Bonne Carré Spillway Improvements - Design Support

2014 - Place St. Charles Streetscape Enhancements – New Orleans – Design Support
2006 – Present – National WWII Museum Campus and Site Enhancements – Design Support

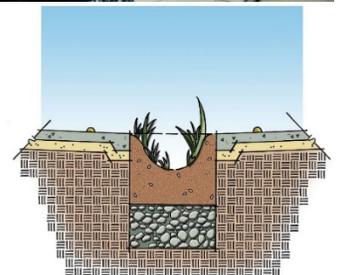
Muses Apartments, New Orleans, Louisiana – 2010

Award winning LEED Registered landscape design installation at a multi block, multi phased residential apartment building in central city New Orleans. Sustainable design features included pervious pavements, bioswales, and downspout catchment basins – Design Support

The Blood Center, New Orleans, Louisiana - 2013

Sustainable Parking Design with stormwater catchment basins – Design Support

Annunciation Square, New Orleans, Louisiana, Park Renovation and Improvements – Design and Manage

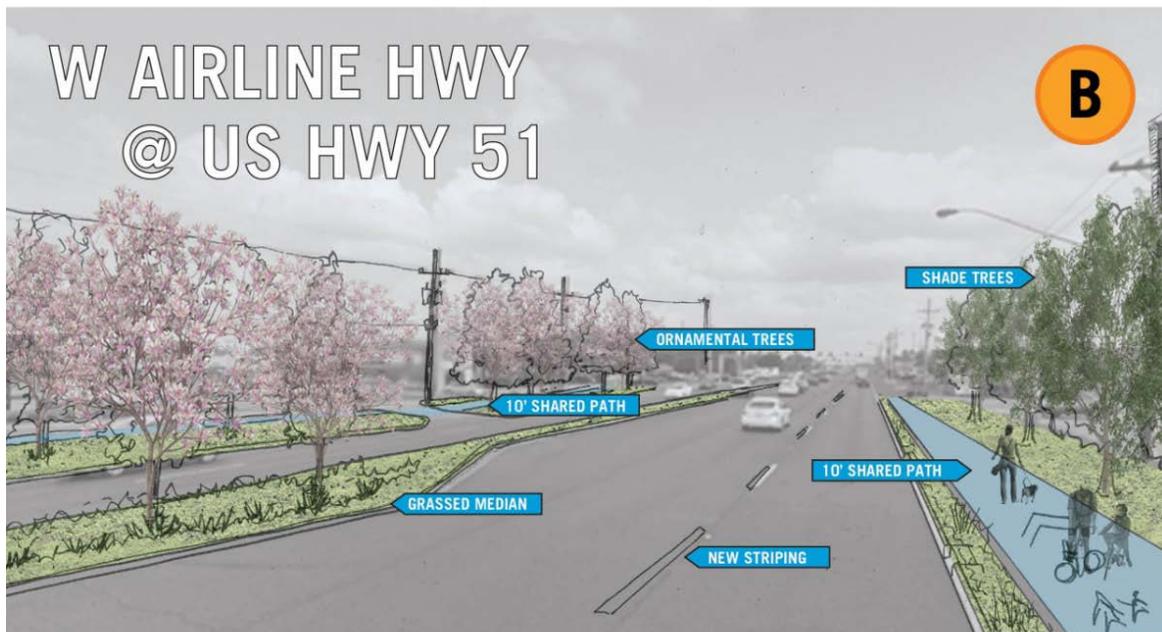


TEC Professional Services Questionnaire Continued

PROJECT NO. 1 Images: Marsh Island Restoration

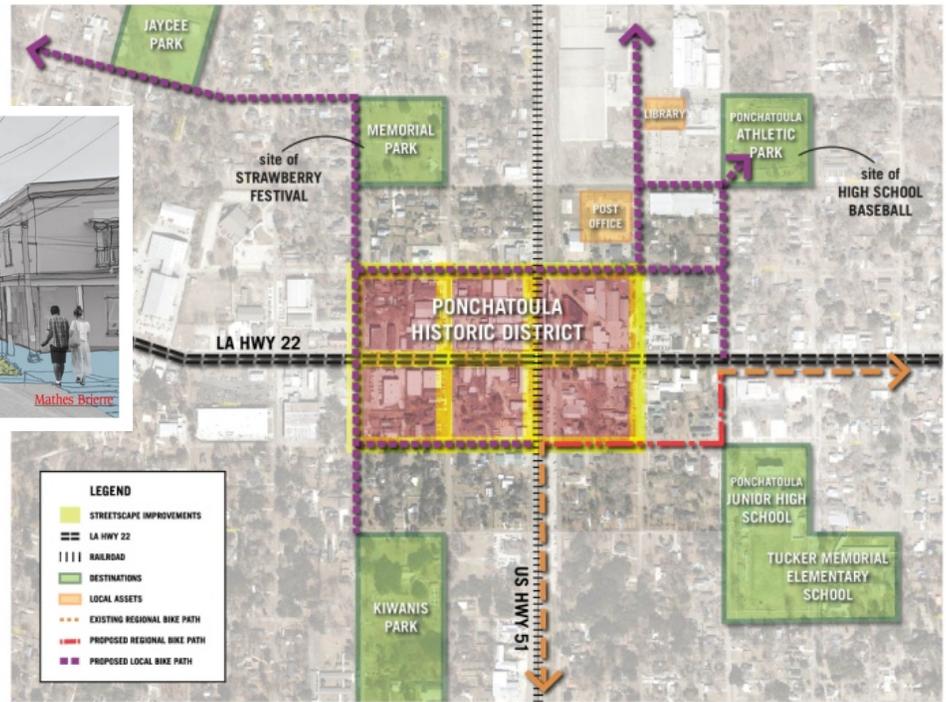


PROJECT NO. 2 Images: US Highway 61 Streetscape Improvements



PROJECT NO. 3 Images: LA Highway 22 Corridor Improvements

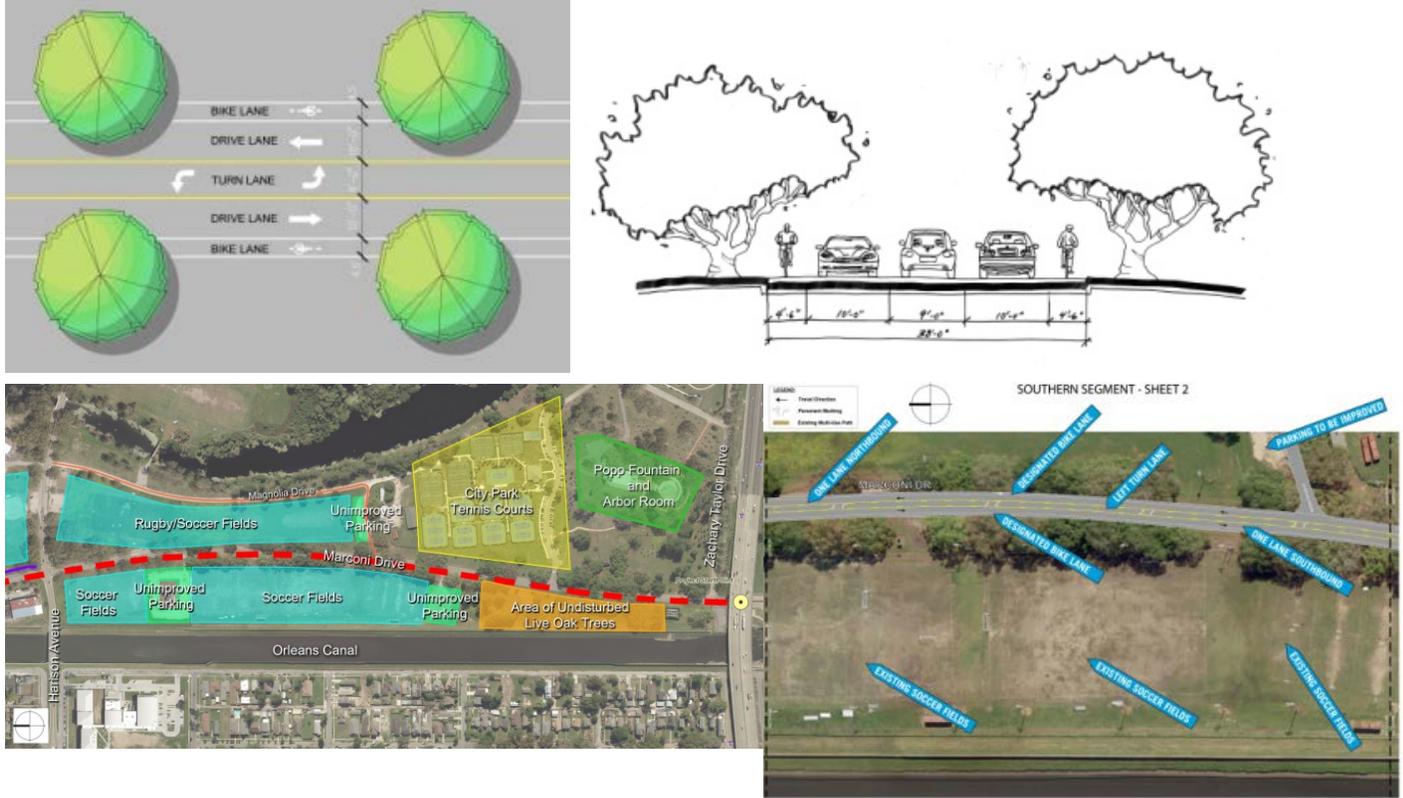
VISION FOR DOWNTOWN PONCHATOULA



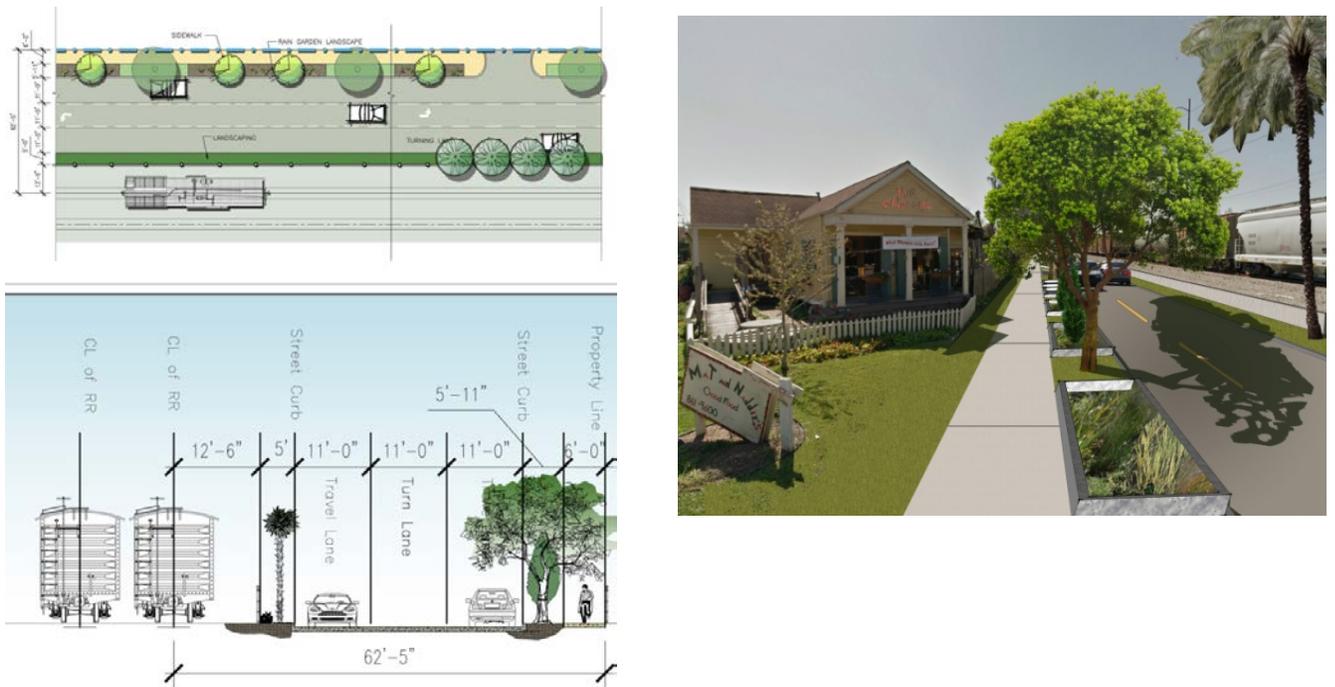
PROJECT NO. 4 Images: Galvez Street Streetscape



PROJECT NO. 5 Images: Marconi Stage 0 Feasibility Study



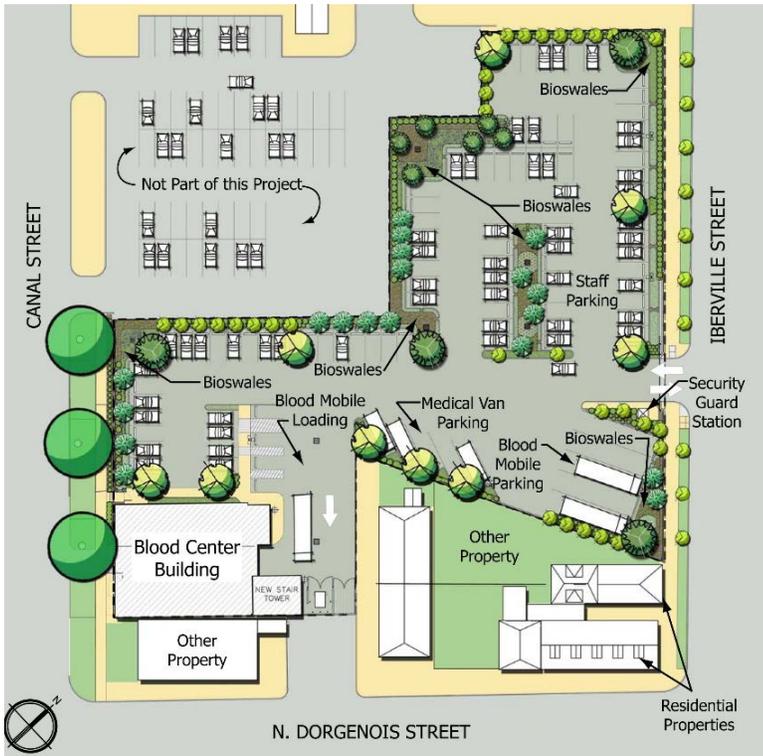
PROJECT NO. 6 Images: Leake Avenue Stage 0 Feasibility Report



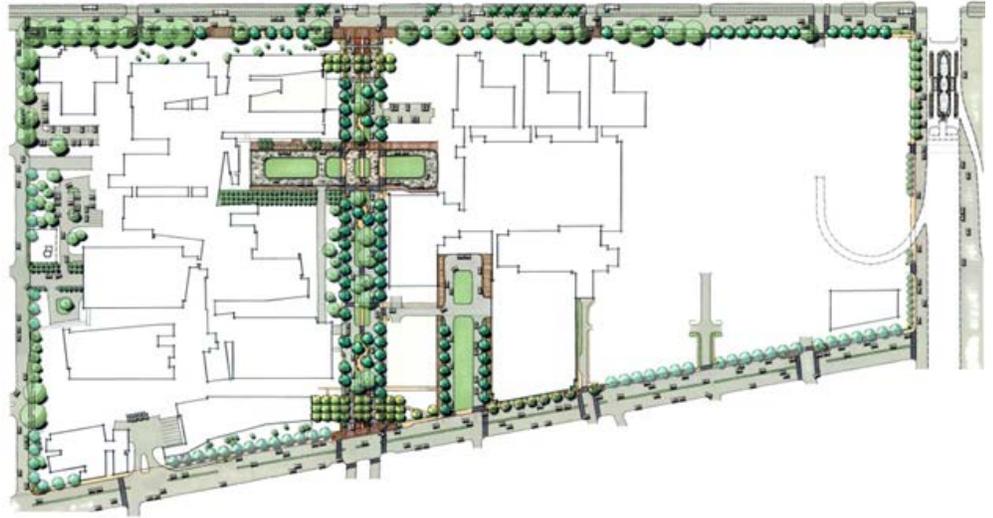
PROJECT NO. 7 Images: Harriet Tubman Montessori School



PROJECT NO. 8 Images: Sustainable Parking Lot Design



PROJECT NO. 9 Images: Medical District Streetscape Plan



PROJECT NO. 10 Images: WWII Museum Battle Barksdale Parade Ground

