

**QUESTIONS AND COMMENTS MUST BE SUBMITTED NO LATER THAN 11:00 A.M.
(CT)September 24, 2021.**

REQUIRED SIGNATURE PAGE FOR SUBMITTALS

This page, signed by an authorized officer of your Company, must accompany your submittal as the cover page.

I, the undersigned, having carefully examined the Request for Qualifications, propose to furnish services in accordance therewith as set forth in the attached submittal.

I hereby certify that this submittal is genuine and not a sham or collusive submittal, or made in the interests or on behalf of any person not therein named; and I have not directly or indirectly induced or solicited any Submitter or supplier on the above work to put in a sham submittal or any person or corporation to refrain from submitting a submittal; and that I have not in any manner sought by collusion to secure to myself an advantage over any other Submitter(s) or person(s).

In order to induce the Sheriff to consider this submittal, the Submitter irrevocably waives any existing rights which it may have, by contract or otherwise, to require another person or corporation to refrain from submitting a submittal to or performing work or providing supplies to St. John the Baptist Parish Sheriff Office, and Submitter further promises that it will not in the future directly or indirectly induce or solicit any person or corporation to refrain from submitting a bid or submittal to or from performing work or providing supplies to St. John the Baptist Parish Sheriff Office.

Please type or print legibly the information below.

Submitter hereby acknowledges receipt of the RFQ and agrees to Terms and Conditions set forth in this RFQ.

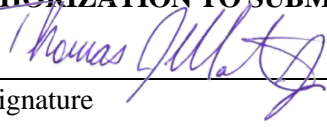
SUBMITTER INFORMATION

Firm Name: Stuart Consulting Group, Inc.

Address: 1018 Central Avenue, Suite 200 City/State/Zip: Metairie, LA 70006

Phone No.: 504.888.5733 Fax No.: 504.962.0931

AUTHORIZATION TO SUBMIT (must be signed):

By:  09/27/2021 Thomas J. Martin, Jr., PE
Signature Offer Date Printed

Primary Contact Person (If other than above):

Name: Thomas J. Martin, Jr., PE Phone No: 504.888.5733 Fax No: 504.962.0931

Title: President Email Address: Tommy@StuartConsultinGroup.com

If this submittal is being submitted on behalf of an agent/broker, please complete section below:

Submitted on behalf of: _____

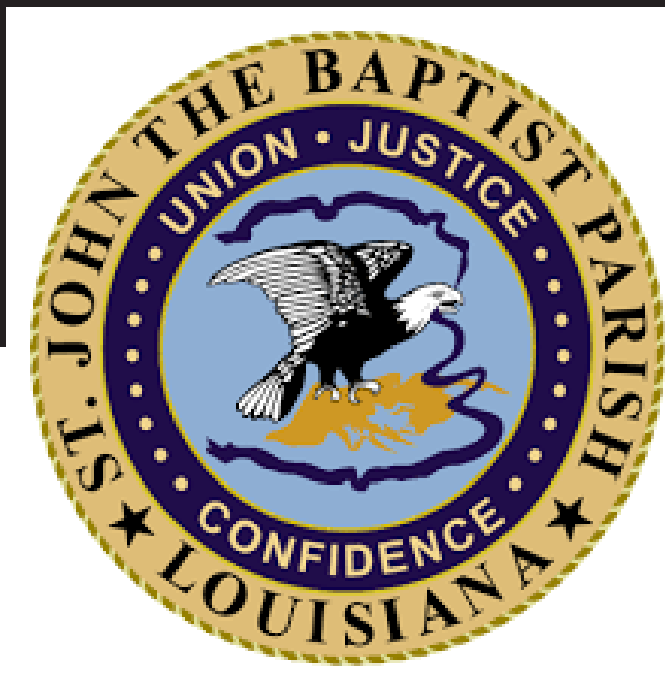
ST. JOHN THE BAPTIST PARISH SHERIFF'S OFFICE

EMERGENCY REQUEST FOR QUALIFICATIONS (RFQ)

Hurricane Ida Disaster Recovery
Damage Assessment and A/E Services

RFQ 2021.1

September 27, 2021



SUBMITTED BY:

STUART
CONSULTING
GROUP



COMPANY PROFILE





CONTACTS:

Thomas J. Martin, Jr. PE, President
Tommy@StuartConsultingGroup.com

Calvin C. Hoppmeyer, Jr., PE, Vice President
CalvinH@StuartConsultingGroup.com

Christopher A. Fenner, PE, Vice President
ChrisF@StuartConsultingGroup.com

Martin J. Cristofaro, PE, RPLS, CFM, Vice President
MartyC@StuartConsultingGroup.com

STUART CONSULTING GROUP, INC
1018 Central Avenue, Suite 200
Metairie, LA 70001
P:504.888.5733 F:504-962-0931
www.stuartconsultinggroup.com

KEY PERSONNEL & EXPERIENCE

Stuart Consulting Group, Inc. (SCG) is a civil engineering firm providing a full range of services for the design of general civil projects, municipal public works projects, and their support facilities. Working in both the public & private sectors, SCG assists clients not only with design of projects but in all phases in the development of their projects including grants management, planning, cost estimating, evaluation, rehabilitation, management, and construction. We have more than 35 staff member including seven (7) engineering interns, with nine (9) professional engineers and 2 registered professional land surveyors. SCG has offices in Metairie, Louisiana, Slidell, Louisiana and Houston, Texas.

Our specialties include:

- Roadway Design (Municipal, State, Federal)
- Wastewater Collection, Transportation, and Treatment
- Water Treatment, Storage and Distribution
- Drainage Infrastructure Design
- Program and Construction Management
- Disaster Response and Recovery
- Federal (CDBG and FEMA) Grant Management
- Hydraulic and Hydrologic Modeling
- FEMA Floodplain Map Revision (CLOMR/LOMR)

SCG employs a staff of highly qualified professionals experienced in providing Civil Engineering Design services and Grants Management. Although we have the capability to provide the most general engineering design services in-house, occasionally during the course of a project the need may arise for a specific specialty service. In these instances we work closely with our clients to identify approved consultants and bring them onto the team. SCG has a long history of utilizing a variety of other small, women owned and disadvantaged businesses to supplement the work load and provide any required specialty services to meet project requirements.

SCG's team members have been carefully chosen for this project pursuant to our understanding and acceptance of the advertised project requirements. This team contains all necessary disciplines and components to begin and complete these exciting projects for the St. John the Baptist's Sheriff's Office in the timeline as defined by the Sheriff's Office. SCG believes it has put together the best team to provide the services outlined in the aforementioned RFQ.

RELEVANT EXPERIENCE OF KEY PERSONNEL WITH SIMILAR PROJECTS

SCG has the capability of providing a full range of services for the design of projects similar to this RFQ. Working in both the public and private sectors, SCG assists clients in all phases in the development of their projects including planning, design, evaluation, rehabilitation, management and construction. Our expertise includes management of individual projects from scope development to construction and our staff includes personnel with experience overseeing more than \$2.6 Billion in government funding.

We have assembled a highly experienced team with substantial depth that will enable us to deliver a quality product in a timely manner to the St. John Sheriff's Office. The SCG team has significant experience in delivering numerous projects within greater New Orleans and Houston areas. We're confident our team members and subconsultants listed below will exceed the minimal requirements outlined in St. John the Baptist's Sheriff's Office Emergency Request for Qualifications : Hurricane Ida Disaster Recovery Damage Assessment and A/E Services.



Established in 2003, **Stuart Consulting Group, Inc. (SCG - PRIME Consultant)** employs a staff of highly qualified professionals well-versed in a wide variety of federal and state grant funding programs as well as professional engineering services. SCG specializes in disaster recovery and disaster mitigation grant funding

programs and has a proven track record of maximizing federal and state funding for our clients. With experience dating back to the recovery from Hurricane Katrina in Louisiana, SCG has been actively involved in the transformation of the disaster recovery grant programs for the past 10 years – starting with Katrina and developing through responses to other major disasters including Hurricanes Sandy, Harvey, Irma & Maria.

Our engineers, grant specialists, mitigation specialists, project managers and construction managers collectively possess over one hundred years of Program Management and disaster recovery grant experience, which includes involvement with response and recovery for numerous disasters including 4 of the 5 largest natural disasters to ever affect the United States --- Hurricanes Katrina, Harvey, Maria & Irma. All told, our team has worked on over 15 federally declared disasters with combined Total Disaster Budgets topping \$365 billion. We have established an excellent record working with senior staff at FEMA, GOHSEP, NRCS, EDA, USACE, HUD, and GLO to aid in the progress of disaster recovery for both municipalities and private non-profit organizations. In addition to our grant management experience, we have helped multiple clients by managing design and construction of their repair projects, ensuring compliance with all grant requirements and local building codes. Our clients include: Harris County Flood Control District, City of Houston, City of Friendswood, City of Port Arthur, Timberlane Utility District, City of Slidell, Lakefront Management Authority, St. Bernard Parish, Lafon Nursing Facility of the Holy Family, City of Covington, City of Harahan and the St. Tammany Parish Sheriff's Office.



Marrero, Couvillon & Associates, LLC (Subconsultant - MEchanical, Electrical, Plumbing) is an architectural and engineering design consulting firm with fifty years of experience. Our engineering services include electrical, mechanical and plumbing (MEP) disciplines for: Investigation/Evaluation/Recommendations for existing systems, Design of new or upgraded MEP systems, Construction Administration services, Field Inspection services. MCA's certification as a Disadvantaged Business Enterprise (DBE) by the Unified Certification Program of the Louis Armstrong New Orleans International Airport, and the Louisiana DOTD, adds value to many publicly funded projects.



Established in 1982, **BFM Corporation, LLC (Subconsultant - Survey)** Professional Land & Hydrographic Surveying, has provided services to public & private concerns throughout Louisiana and the Gulf South.

RELEVANT EXPERIENCE OF KEY PERSONNEL WITH SIMILAR PROJECTS

BFM Corporation, LLC (Subconsultant - Survey) continued

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.



Gulf South Engineering and Testing, Inc. (Subconsultant - Geotechnical) 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.



Chase Marshall (Subconsultant - Architect) Brings experience and innovation to every single design and treats each project as a new and exciting challenge. Chase Marshall never takes for granted that the decisions they make as designers and planners will ultimately impact the experiences of the people

who occupy the spaces and natural environment. Chase Marshall's mission is to create places that heighten the art of architecture, achieve the goals of their clients and enrich the lives of people. Chase Marshall looks at sustainability not as a goal but as a requirement. Whether LEED certification is an objective or not, we do our part to leave the world a better place for our children and beyond. We have USGBC LEED certified staff assigned to each project, and we encourage each project to be directly connected to its place

RELEVANT EXPERIENCE OF KEY PERSONNEL WITH SIMILAR PROJECTS

Tommy Martin, PE - Senior Professional Engineer (SCG - Professional Civil Engineer Registered in the State of LA 10+ years of Experience in Hurricane Disaster Recovery A/E Service) - As the President of SCG, Mr. Martin is responsible for the daily administration of the office as well as the overall management of the company's projects. He has over thirty years of experience in the **design and construction management** of various municipal, federal and industrial projects. His design and management experience includes: water and wastewater treatment plants, general civil support systems for commercial developments, hydrology and hydraulics, and roadway improvements. Since Hurricane Katrina, Mr. Martin has been intrinsically involved in several aspects of disaster recovery, particularly with FEMA regulations, codes and standard procedures.

Kimball Schlafly, PE - Sr. Professional Electrical Engineer (MCA - Professional Electrical Engineer 10+ years of Experience in working on Public infrastructure) Mr. Schlafly has over 33 years of engineering experience in electrical engineering, project engineering and project management. He has been responsible for various projects requiring design of lighting, low and medium voltage power distribution, standby and emergency power systems, telecommunications, fire alarm, access control, video surveillance, and theatrical audio/visual and lighting systems. Mr. Schlafly has worked on projects with clients in both the public and private sector, such as the Recovery School District in New Orleans, Facility Planning and Control in Baton Rouge, Tulane University, Loyola University, University of New Orleans, as well as with various Architects, Engineering firms, and building owners. Prior to joining Marrero, Couvillon & Associates, Mr. Schlafly was managing partner of his own firm, working for contractors and owners on design-build projects as well as design-bid projects.

Ralph P. Fontcuberta, Jr., PLS - Registered Professional Land Surveyor (BFM - Professional Land Surveyor 10+ years of Experience in Surveying Public infrastructure and Subsurface Utility Engineering) Mr. Fontcuberta 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 co-founded BFM Corporation in 1982 after serving with another surveying firm for over 15 years and is currently a partial owner of the firm. Mr. Fontcuberta is thoroughly knowledgeable in all facets of surveying: boundary, hydrographic, topographic, and right-of-way surveying, as well as residential, plant, and industrial layout. Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients.

Nick Marshall, AIA, LEED AP – Professional Architect (Chase Marshall Architects - Professional Architect 10+ years Experience in Public Building and Facilities infrastructure) Mr. Marshall is the Design Director for Chase Marshall and Director of our office. He holds a Master of Architecture from Tulane University and is licensed in the state of Louisiana with over 28 years of experience in the core elements of architecture. Nick is also a fourteen-year LEED certified veteran and has a deep understanding of how projects are connected to their site and environment. He has collaborated in the development of numerous projects of varied scales and complexity, ranging from high-tech national research laboratories, office spaces, visitor centers, multi-family residential developments and fire stations throughout the country. Nick's goal is to provide excellence in leadership by identifying project needs and implementing plans to address them, mentoring young designers, and contributing significantly to the strength of the team as well as the success of the firm.

(Personnel shall have the ability to prepare Damage Assessments, Review FEMA Prepared Project Worksheets and Prepare FEMA Project Worksheets Version Request Related to Public infrastructure)

Amelia Wing - FEMA/Grant Specialist (SCG) - Ms. Wing has over 11 years' experience providing disaster recovery assistance with specialized skills in providing eligibility guidance to applicants for federal and state disaster assistance programs. She has successfully assisted applicants in recovering over \$10 million in federal disaster assistance funds by preparing dozens of Detailed Expense Review Packages.

RELEVANT EXPERIENCE OF KEY PERSONNEL WITH SIMILAR PROJECTS

Amelia Wing FEMA/Grant Specialist *continued*

Her Public Assistance experience also includes review and preparation of hundreds of FEMA Project Work-sheets, Cost Estimates, Quarterly Reports, Project Closeouts and Department of Homeland Security Office of the Inspector General audits. She is well-versed in the new FEMA Grants Manager and Grants Portal Tool as well as with the States of Louisiana and Texas Grants Management Systems.

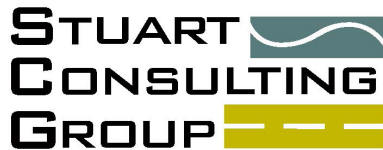
Dale Viola, Jr. - Grant Specialist/GIS Specialist - As a career emergency manager, Mr. Viola came to Stuart Consulting Group following his tenure with FEMA, where he worked 10 Major Disaster Declarations in Louisiana, California, Texas, Florida and Puerto Rico. Mr. Viola was embedded with FEMA Public Assistance and Mitigation sections to support state, local, and tribal nation stakeholders through all stages of Response, Recovery and Mitigation efforts. At the beginning of Hurricane Harvey, Dale was deployed with FEMA Urban Search & Rescue (US&R) to support lifesaving operations in the city of Houston, TX and surrounding counties. He would go on to serve with FEMA US&R during Hurricane Irma in Florida and Hurricane Maria in Puerto Rico. Prior to FEMA, he has years of public sector experience in disaster management, public grants, and technology integration. Since 2018, Mr. Viola has served as an indispensable member of the Harris County Flood Control District disaster recovery team, providing in-depth GIS analysis critical to the pursuit of over \$50 million in additional FEMA funding.

Christopher Fenner, PE – Program Manager/Civil Engineer/Team Lead - Mr. Fenner is well versed in working with the intricacies of several federal grant funding programs, including FEMA's Public Assistance Program and Hazard Mitigation Grant Program, NRCS's Emergency Watershed Protection Program, and HUD's Community Development Block Grant Program. He has served in key management roles on several of the disaster recovery programs managed by Stuart Consulting Group for several agencies in Louisiana and Texas. Mr. Fenner has worked to bridge the gap between federal, state, and local agencies to create clear lines of communication and cooperation that help to facilitate recovery from some of the costliest disasters in US history, including Hurricanes Katrina and Harvey. He also understands that the most important aspect of federal grant management is documentation. As a Project Manager, Mr. Fenner has tackled several complex multi-million-dollar projects including the construction of a \$15M state-of-the-art hangar and the \$16M historic renovation of the art-deco terminal building at New Orleans Lakefront Airport. Through the management and documentation compiled by Mr. Fenner, both of these projects were entirely reimbursable by FEMA. As Deputy Program Manager for the Harris County Flood Control District, Mr. Fenner is currently overseeing the team managing over \$130M of federal disaster assistance grants across 4 active disasters with another \$300M+ expected to be awarded. Additionally, Mr. Fenner has extensive civil engineering design experience in roadways, drainage, sewer lift stations, recreational facilities, and commercial site development.



RESUMES





THOMAS J. MARTIN, JR., PE

STUART CONSULTING GROUP, INC | METAIRIE, LA | PRESIDENT

EDUCATION

LOUISIANA STATE UNIVERSITY
B.S. Civil Engineering

LOUISIANA STATE UNIVERSITY
M.S. Civil Engineering

PROFESSIONAL REGISTRATION

Professional Engineer, Civil,
State of Louisiana PE 0025925

PROFESSIONAL PUBLICATION

A.M. Martin and T.J. Martin. "A
Mathematical approach to Sizing
Diversion Basins for Industrial
Facilities", Proceedings of the 46th
Annual Purdue Conference, 1991

DISASTER EXPERIENCE

DR 1603 Hurricane Katrina
DR 1786 Hurricane Gustav
DR 4080 Hurricane Isaac
DR 4223 TX Memorial Day Flood
DR 4269 TX Tax Day Flood
DR 4332 Hurricane Harvey
DR 4466 Tropical Storm Imelda
DR-4577 Hurricane Zeta
DR 4263 LA Severe Storms and
Flooding

As a Registered Professional Engineer, Mr. Martin has experience in the de-tailed design, design management, and construction management of a variety of aspects of municipal, federal, and industrial projects. His project design and design management experience include: water and wastewater treatment plant design (for municipalities, organics manufacturers, and petroleum refiners); wastewater collection system improvements, sewer force main and pump station design; and general civil support systems for commercial developments. Following Hurricane Katrina, Mr. Martin has participated in many projects involving disaster recovery, disaster management, grant management, and hazard mitigation. He has been involved in projects for 5 major disasters in varying roles, including Design Engineer, Project Manager, and Principal-in-Charge. Mr. Martin's extensive career is highlighted by his expertise in sanitary sewer and water treatment systems.

PROJECT SELECTION

PRINCIPAL-IN-CHARGE | DISASTER RECOVERY PROGRAM HARRIS COUNTY FLOOD CONTROL DISTRICT

Houston, TX

PRINCIPAL-IN-CHARGE | HURRICANE KATRINA RECOVERY PROGRAM | CITY OF SLIDELL

Slidell, LA

PRINCIPAL-IN-CHARGE | DISASTER RECOVERY PROGRAM LAKEFRONT MANAGEMENT AUTHORITY

New Orleans, LA

PRINCIPAL-IN-CHARGE | CLOSEOUT OF FEMA PROJECT WORK- SHEETS FOR HURRICANE KATRINA DAMAGES | LAFON NURSING FACILITY OF THE HOLY FAMILY

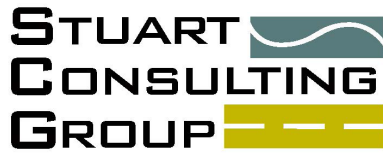
New Orleans, LA

PRINCIPAL-IN-CHARGE | DEBRIS REMOVAL MONITORING (MARCH FLOOD 2016) | CITY OF COVINGTON

Covington, LA

PRINCIPAL-IN-CHARGE | RECONSTRUCTION OF MULTIPLE DRAIN- AGE PUMP STATIONS DAMAGED BY HURRICANE KATRINA

Plaquemines Parish, LA



CHRISTOPHER FENNER, PE

STUART CONSULTING GROUP, INC | METAIRIE, LA | PROGRAM MANAGER

EDUCATION

LOUISIANA STATE UNIVERSITY
B.S. Civil Engineering

PROFESSIONAL REGISTRATION

Professional Engineer, Civil,
State of Louisiana PE 38566
Professional Engineer, Civil,
State of Texas PE 122835
Professional Engineer, Civil,
State of Mississippi, PE 26859

PROFESSIONAL CERTIFICATION

ATSSA – Traffic Control Supervisor
(LA State Specific)
ATSSA – Traffic Control Technician
(LA State Specific)
LADOTD Flagger Certification

DISASTER EXPERIENCE

DR 1603 Hurricane Katrina
DR 1786 Hurricane Gustav
DR 4080 Hurricane Isaac
DR 4223 TX Memorial Tax Day
Flood
DR 4269 TX tax Day Flood
DR 4332 Hurricane Harvey
DR 4466 Tropical Storm Imelda
DR 4577 Hurricane Zeta

Mr. Fenner is well versed in working with the intricacies of federal grant funding programs, specifically post-disaster assistance programs such as FEMA's Public Assistance Program and Hazard Mitigation Grant Program, NRCS's Emergency Watershed Protection Program, and HUD's Community Development Block Grant Program. He has served in key management roles on several of the disaster recovery programs managed by Stuart Consulting Group for several agencies in Louisiana and Texas. Mr. Fenner has worked to bridge the gap between federal, state, and local agencies to create clear lines of communication and cooperation that help to facilitate recovery from some of the costliest disasters in US history, including Hurricanes Katrina and Harvey. He also understands that the most important aspect of federal grant management is documentation. As a Project Manager, Mr. Fenner has tackled several complex multi-million-dollar projects including the construction of a \$15M state-of-the-art hangar and the \$16M historic renovation of the art-deco terminal building at New Orleans Lakefront Airport. Through the management and documentation compiled by Mr. Fenner, both of these projects were entirely reimbursable by FEMA. As Deputy Program Manager for the Harris County Flood Control District, Mr. Fenner is currently managing over \$350M of federal disaster assistance grants across 4 active disasters with another \$750M+ expected to be awarded.

PROJECT SELECTION

DEPUTY PROGRAM MANAGER | DISASTER RECOVERY PROGRAM HARRIS COUNTY FLOOD CONTROL DISTRICT

Houston, TX

PROGRAM MANAGER | HURRICANE KATRINA RECOVERY PROGRAM CITY OF SLIDELL

Slidell, LA

FEMA GRANT SPECIALIST | DISASTER MITIGATION FOR WASTEWATER FACILITIES INDUCED BY HURRICANE HARVEY, PACKAGE 4 CITY OF HOUSTON

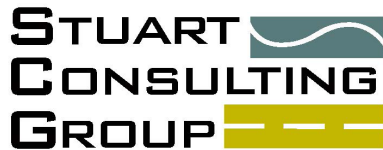
Houston, TX

FEMA GRANT SPECIALIST | MITIGATION FOR SEWER LIFT STATIONS – HURRICANE HARVEY CITY OF FRIENDSWOOD

Friendswood, TX

PROGRAM MANAGER | DISASTER RECOVERY PROGRAM LAKEFRONT MANAGEMENT AUTHORITY

New Orleans, LA



CALVIN C. HOPPMAYER, Jr., PE

STUART CONSULTING GROUP, INC | METAIRIE, LA | VICE-PRESIDENT

EDUCATION

TULANE UNIVERSITY
B.S. CIVIL ENGINEERING

PROFESSIONAL REGISTRATION

Professional Engineer, Civil,
State of Louisiana PE 23258
Professional Engineer, Civil,
State of Texas PE 135554

American Society of Civil Engineers

Society of Military Engineers

PROFESSIONAL CERTIFICATION

ATSSA – Traffic Control Supervisor
(LA State Specific)
ATSSA – Traffic Control Technician
(LA State Specific)
LADOTD Flagger Certification

Mr. Hoppmeyer has over 39 years of civil and environmental engineering experience. Mr. Hoppmeyer's planning, engineering design, project management and construction management experience include: assessment of utility systems, master planning for water, sewer, and drainage projects; computer modeling; wastewater collection/transmission systems; water distribution systems; drainage systems; regulatory permitting; pumping station design, construction, and start-up; rehabilitation of pump stations, and roadway rehabilitation projects. Mr. Hoppmeyer's most recent experience has been as City Engineer for City of Harahan, LA; Senior Project Manager for the Stormproofing of Major Drainage Pump Stations in New Orleans and Jefferson Parish; Principal Engineer for roadway rehabilitation projects in New Orleans and Jefferson Parish. He has been involved in construction projects ranging in size from \$50,000 to over \$100,000,000; all this work has been bid and constructed within existing municipal limits, while maintaining public operations/access/functionality.

PROJECT SELECTION

SENIOR ENGINEER | SEWER SYSTEM EVALUATION AND REHABILITATION. Harahan, LA.

SENIOR ENGINEER | REPLACEMENT OF PUMP STATION NO. 15,
Sewerage and Water Board of New Orleans, LA.

SENIOR ENGINEER | PUMP STATION NOS 3, 6 & FORCE MAIN,
Sewerage and Water Board of New Orleans, LA.

THE FOLLOWING PROJECTS WERE WITH OTHER FIRMS:

SENIOR PROJECT MANAGER | NEW ORLEANS EAST CSES –
Sewerage and Water Board of New Orleans, LA.

SENIOR PROJECT ENGINEER | SEWAGE PUMP STATION (WEST
LOYOLA DRIVE), Kenner, LA.

SENIOR PROJECT ENGINEER | VALUE ENGINEERING, CONSTRUCTION
TILITY REVIEW, AND BID PHASE ASSISTANCE, WATER TREAT-
MENT PLANT CAPACITY IMPROVEMENT, St. Bernard Parish, LA.



AMELIA WING

STUART CONSULTING GROUP, INC | METAIRIE, LA | GRANTS SPECIALIST

EDUCATION

SAN DIEGO STATE UNIVERSITY
B.S. Biology

PROFESSIONAL ASSOCIATIONS

Institute of
Environmental
Communications Fellow

Certified Master
Naturalist

DISASTER EXPERIENCE

DR 1603 Hurricane Katrina
DR 1786 Hurricane Gustav
DR 4080 Hurricane Isaac
DR 4223 TX Memorial Day Flood
DR 4277 LA Severe Storms
& Flooding
DR 4269 TX Tax Day Flood
DR 4283 Hurricane Matthew
DR 4332 Hurricane Harvey
EM 3392 Tropical Storm Nate
DR 4466 Tropical Storm Imelda
DR 4577 Hurricane Zeta

Ms. Wing is a Professional Disaster Recovery Specialist with more than 15 years of disaster management experience. She has worked on disasters in multiple states including Louisiana, Florida and Texas. Ms. Wing also works on environmental issues involving floodplain/wetland management and environmental historical preservation. She is familiar with FEMA's Record of Environmental Consideration and required Eight Step Plan processes for Floodplain/Wetland Management. Ms. Wing has successfully assisted applicants in recovering millions of dollars in federal disaster assistance funds by managing Public Assistants grants, prepared dozens of Detailed Expense Review and Closeout Packages. Her Public Assistance experience also includes review and preparation of FEMA Project Worksheets, Cost Estimates, Quarterly Reports and Department of Homeland Security Office of the Inspector General audits. She is well versed in the new FEMA Grants Manager and Grants Portal Tool as well as with the States of Louisiana and Texas Grants Management Systems.

PROJECT SELECTION

**GRANT SPECIALIST | DISASTER RECOVERY PROGRAM |
HARRIS COUNTY FLOOD CONTROL DISTRICT**
Houston, TX

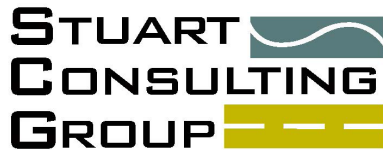
**GRANT SPECIALIST | HURRICANE KATRINA RECOVERY PROGRAM
CITY OF SLIDELL**
Slidell, LA

**GRANT SPECIALIST | DISASTER RECOVERY PROGRAM
LAKEFRONT MANAGEMENT AUTHORITY**
New Orleans, LA

**GRANT SPECIALIST | HURRICANE KATRINA DISASTER RECOVERY
ASSISTANT & GRANT CLOSEOUT | LAFON NURSING FACILITY OF THE
HOLY FAMILY**
New Orleans, LA

**GRANT SPECIALIST | HURRICANE KATRINA GRANT CLOSEOUT |
CITY OF THIBODAUX,**
Thibodaux, LA

**GRANT SPECIALIST | HURRICANE KATRINA GRANT CLOSEOUT |
ST. BERNARD PARISH**
St. Bernard, LA



DALE VIOLA, JR.

STUART CONSULTING GROUP, INC | METAIRIE, LA | GRANT SPECIALIST

EDUCATION

LOUISIANA STATE AGRICULTURAL & MECHANICAL UNIVERSITY

B.S Science
Disaster Science & Management

DISASTER EXPERIENCE

DR 4041 LA Severe Storms, Tornadoes, Straight-line Winds & Flooding
DR 4223 TX Memorial Day Flood
DR 4277 LA Severe Storms & Flooding
DR 4269 TX Tax Day Flood
DR 4312 Resighini Ranchera Flooding
DR 4308 California Severe Storms, Flooding & Mudslides
DR 4305 California Severe Storms, Flooding & Mudslides
DR 4301 California Severe Storms, Flooding & Mudslides
DR 4302 Hoopa Valley Tribe Severe Winter Storm
DR 4339 Puerto Rico Hurricane Maria
DR 4336 Puerto Rico Hurricane Irma
DR 4332 Texas Hurricane Harvey
DR 4337 Florida Hurricane Irma
EM 3381 CA California Potential Failure of Spillway Oroville Lake
DR 4577 Hurricane Zeta
DR 4223 TX Severe Storms, Tornadoes, Straight-line Winds & Flooding

As a career emergency manager, Dale Viola Jr came to Stuart Consulting Group following his tenure with FEMA, where he worked 10 Major Disaster Declarations in Louisiana, California, Texas, Florida and Puerto Rico. Mr. Viola was embedded with FEMA Public Assistance and Mitigation sections to support state, local, and tribal nation stakeholders through all stages of Response, Recovery and Mitigation efforts. At the beginning of Hurricane Harvey, Dale was deployed with FEMA Urban Search & Rescue (US&R) to support lifesaving operations in the city of Houston, TX and surrounding counties. He would go on to serve with FEMA US&R during Hurricane Irma in Florida and Hurricane Maria in Puerto Rico. Prior to FEMA, he has years of public sector experience in disaster management, public grants, and technology integration.

At Stuart Consulting Group, his broad knowledge of federal assistance processes maximizes client outcomes and maintains compliance with laws and program standards. In light of increased scrutiny of federal programs, Mr. Viola utilizes geospatial analysis, digital records, and database expertise to accommodate new systems for administering federal assistance programs throughout the award process. On the Harris County Flood Control District Disaster Recovery Program, Mr. Viola's analysis of pre- and post-disaster geospatial data was instrumental in the ~\$250M of FEMA assistance to remove Hurricane Harvey sediment from channels across the County. He has also crafted multiple successful appeals to FEMA for our clients.

PROJECT SELECTION

GRANT SPECIALIST | DISASTER RECOVERY PROGRAM | HARRIS COUNTY FLOOD CONTROL DISTRICT
Houston, TX

GRANT SPECIALIST | HURRICANE KATRINA RECOVERY PROGRAM
CITY OF SLIDELL
Slidell, LA

GRANT SPECIALIST | DISASTER RECOVERY PROGRAM
LAKEFRONT MANAGEMENT AUTHORITY
New Orleans, LA

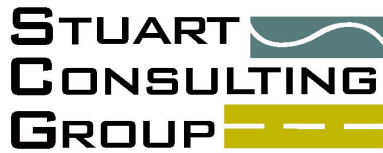
GRANT SPECIALIST | 2016 TAX DAY FLOOD DISASTER RECOVERY ASSISTANCE | TIMBER LANE UTILITY DISTRICT
Spring, TX

THE FOLLOWING PROJECTS WERE PRIOR TO JOINING SCG

GEOSPATIAL INTELLIGENCE UNIT MANAGER | FEDERAL EMERGENCY MANAGEMENT AGENCY

Louisiana, California, Texas, Florida & Puerto Rico
Federal Urban Search & Rescue GIS Support (Hurricane Harvey, Hurricane Irma, Hurricane Maria)

FEDERAL EMERGENCY MANAGEMENT AGENCY
Louisiana, California, Texas, Florida & Puerto Rico



CHRISTOPHER BLAZO, PE

STUART CONSULTING GROUP, INC | METAIRIE, LA | PROJECT ENGINEER

EDUCATION

BANGLADESH UNIVERSITY OF
ENGINEERING & TECHNOLOGY
B.S. CIVIL ENGINEERING

UNIVERSITY OF NEW ORLEANS
M.S. CIVIL ENGINEERING

PROFESSIONAL REGISTRATION

Professional Engineer, Civil,
State of Louisiana PE 42063
Professional Engineer, Civil,
State of Texas PE 126525
Professional Engineer, Civil,
State of Mississippi PE 30922

PROFESSIONAL CERTIFICATION

ATSSA – Traffic Control Supervisor
(LA State Specific)
ATSSA – Traffic Control Technician
(LA State Specific)
LADOTD Flagger Certification

Mr. Blazo's experience in the area of Civil Engineering includes roads and highway design; storm water conveyance (surface and subsurface); sanitary sewer lift stations; public parks and recreational site planning and design; and site layout and design. He managed numerous municipal infrastructure projects from the preliminary stages to completion of final construction documents and through construction.

Mr. Blazo is currently working as a project manager on several of Stuart Consulting Group's design and construction projects. His responsibilities also include comprehensive design review and analysis of construction documents, scope development, scope changes, budget, payment applications, change orders, and development and maintenance of project design schedule for compliance with Stuart Consulting Group's clients' standards and also the governing federal standards associated with the funding source.

PROJECT SELECTION

PROJECT ENGINEER | MISSISSIPPI AT FULTON AND NEBRASKA AT FULTON SEWER LIFT STATION REHABILITATION

Jefferson Parish, LA

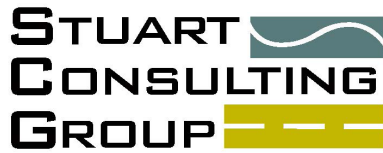
PROJECT ENGINEER | PROGRAM MANAGEMENT & DIRECT ADMINISTRATION OF FEMA REIMBURSED CAPITAL REPAIRS | ORLEANS LEVEE DISTRICT, New Orleans. LA

PROJECT ENGINEER | BAYOU SEGNETTE SEWER IMPROVEMENTS BAYOU SEGNETTE DRAINAGE PUMP STATION #1 IMPROVEMENTS AND BRIDGE, Jefferson Parish, LA

PROJECT ENGINEER | CITY OF NEW ORLEANS STREET REPAIRS (CAMP, LEONTINE, VALMONT, COLISEUM, & CHESTNUT) New Orleans, LA

PROJECT ENGINEER | CITY OF NEW ORLEANS STREET REPAIRS (LEONIDAS GROUPS C & D), New Orleans, LA

PROJECT ENGINEER | CITY OF NEW ORLEANS STREET REPAIRS (LITTLE WOODS), New Orleans, LA



MYRAIM BOU-MEKHAYEL, EI

STUART CONSULTING GROUP, INC | METAIRIE, LA | PROJECT ENGINEER

EDUCATION

UNIVERSITY OF NEW ORLEANS
B.S. CIVIL & ENVIRONMENTAL
ENGINEERING

UNIVERSITY OF NEW ORLEANS
M.S. CIVIL & ENVIRONMENTAL
ENGINEERING

UNIVERSITY OF NEW ORLEANS
GRADUATE CERTIFICATE
COASTAL ENGINEERING

UNIVERSITY OF NEW ORLEANS
GRADUATE CERTIFICATE
COASTAL SCIENCE

PROFESSIONAL REGISTRATION

Engineer Intern,
State of Louisiana, EI.0033037

Ms. Bou-Mekhayel is working as an engineer intern and project manager on several infrastructure projects including the design of a floodwall, waterline replacement as well as drainage design. Her responsibilities include comprehensive design review and development of construction documents, scope development, drainage capacity evaluation, and compliance with client's standards.

She has also worked with Federal and local agencies including FEMA and TDEM to create, review and edit 404 and 406 project applications on behalf of Harris County Flood Control District. Her responsibilities included meeting with several project managers, gathering detailed information regarding multiple projects and compiling the information into applications to be considered for future funding opportunities.

Additionally, Ms. Bou-Mekhayel has thorough experience working on a diverse selection of projects under design by Stuart Consulting Group, Inc. These projects include various design and engineering phases of the expansion of the Ernest M. Morial Convention Center Linear Park and the Michoud Front Door Infrastructure Project in New Orleans, Louisiana as well as the Belle Chasse Drainage Improvements Project in Plaquemines Parish.

PROJECT SELECTION

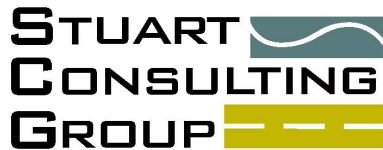
**PROJECT ENGINEER | CITY OF HARAHAAN, CITY ENGINEER,
Harahan, LA**

**PROJECT ENGINEER | SEWER SYSTEM EVALUATION AND REHA-
BILITATION. Harahan, LA.**

**PROGRAM MANAGER | PROGRAM MANAGEMENT & DIRECT
ADMINISTRATION OF FEMA-REIMBURSED CAPITAL REPAIRS
Slidell, LA**

**COMPLIANCE MANAGER | PROGRAM MANAGEMENT AND DIRECT
ADMINISTRATION OF FEMA-REIMBURSED CAPITAL REPAIRS | OR-
LEANS LEVEE DISTRICT, New Orleans, LA**

**COMPLIANCE MANAGER | DIRECT ADMINISTRATION OF FEMA-REIM-
BURSED CAPITAL REPAIRS | CITY OF COLUMBIA, Columbia, SC**



MASON J. BONANO, EI

STUART CONSULTING GROUP, INC | METAIRIE, LA | PROJECT ENGINEER

EDUCATION

LOUISIANA STATE UNIVERSITY
B.S. CIVIL ENGINEERING

PROFESSIONAL REGISTRATION

Engineer Intern,
State of Louisiana PE EI.0033446

DISASTER EXPERIENCE

DR 4332 Hurricane Harvey

Mr. Bonano is currently working on a number of projects that involve roadway, drainage, and sewer design. His responsibilities as an Engineer Intern, include but are not limited to: Generating Cost Estimates, CAD Edits and Designs, Drainage & Pump Calculations, Product Research, Utility & Client Coordination, and Generating Specifications. Mr. Bonano has also worked in Construction Administration on a handful of projects. His responsibilities have included Resident Inspection (including a 6 week period of time in which that was his full time responsibility at the Morial Convention Center), coordination with the contractor, quantity tracking, as well as reviewing change orders, requests for information, pay applications, and field reports. Mr. Bonano this year passed his PE exam and will be able to apply for his Professional Engineering License in November 2021.

PROJECT SELECTION

**PROJECT ENGINEER | BAYOU SEGNETTE SEWER LIFT STATION
IMPROVEMENTS, Jefferson Parish, LA**

**PROJECT ENGINEER | MISSISSIPPI AT FULTON AND NEBRASKA AT
FULTON SEWER LIFT STATION REHABILITATION
Jefferson Parish, LA**

**PROJECT MANAGEMENT/ENGINEERING INTERN
PROGRAM MANAGEMENT AND DIRECT ADMINISTRATION OF
FEMA-REIMBURSED CAPITAL REPAIRS, CITY OF SLIDELL
Slidell, LA**

**PROJECT MANAGEMENT/ENGINEER INTERN | PROGRAM MANAGE-
MENT AND DIRECT ADMINISTRATION OF FEMA-REIMBURSED CAP-
ITAL REPAIRS, ORLEANS LEVEE DISTRICT, NON-FLOOD PROTEC-
TION ASSET MANAGEMENT AUTHORITY , New Orleans, LA**

**ENGINEERING INTERN/CONSTRUCTION ADMINISTRATION PLAQUE-
MINES PARISH RECREATIONAL IMPROVEMETNS EMPIRE PARK
Empire, LA**

10. Brief résumé of key persons anticipated to work on this project

a. Name, title & domicile	b. Position or Assignment for this project
Brian Miller, PE – Sr. Mechanical Engineer Baton Rouge, LA	Sr. Mechanical Engineer
c. Name of firm by which employed full time	d. Years' experience: 64
Marrero, Couvillon & Associates, LLC.	With this firm: 6 With other firms: 35
e. Education: Degree(s) / Years / Specialization	f. Active registration:
Bachelor of Science/1986/Mechanical Engineering	Year registered: 1995 Branch: Mechanical LA License No.: 0026080
g. Specific experience and qualifications relevant to the proposed project:	

Since receiving his Bachelor of Science Degree in Mechanical Engineering from Louisiana Tech University in 1986, Mr. Miller has over 35 years of engineering experience in mechanical engineering, project engineering and project management.

Mr. Miller joined Marrero, Couvillon & Associates as one of our Project Managers and Sr. Mechanical Engineer. Since joining MCA, he has been responsible for various projects ranging from HVAC systems design to wastewater pump stations. Brian is working with clients in both the public and private sector, such as the New Orleans Recovery School District, the City of New Orleans, East Baton Rouge Parish, and the Ascension Parish School Board, as well as various Architects and Engineering firms. Prior to joining Marrero, Couvillon & Associates, Mr. Miller managed multi-disciplined capital projects from proposal through detailed design. He served as the Department Manager for a Mechanical Department and a Building Services Department, which provided architectural, HVAC and plumbing engineering services.

Brian Miller's experience will be applied in a leading capacity to implement the mechanical systems for this project. Projects relevant to the requirement in this solicitation are:

Hurricane Laura Damage Assessment, FCI Oakdale, Oakdale, LA - After Hurricane Laura devastated Southwest Louisiana, the Federal Bureau of Prisons assigned a task to MCA to assess damage at the prison in Oakdale, make prioritized recommendations for repairs and upgrades, and provide estimates of expected repair costs. MCA surveyed all buildings at the facility over a three-day period, and then assembled a report which included a description of damages, recommendations for repair and upgrades, and cost estimates for recommendations.

NOLA Public Schools Facilities Assessment, New Orleans, Louisiana - MCA was responsible for the mechanical, electrical, and plumbing systems assessments for all 86 schools in the New Orleans Public School system. Over the course of three months, mechanical and electrical engineers visited each school, met with principals and facilities directors, and examined the electrical, mechanical, and plumbing systems. The assessments followed the Uniformat Standard for building systems categories. Electrical categories included electrical service and distribution, emergency lighting and power systems, lighting equipment, telephone systems, local area networks, video surveillance, intrusion detection, access control, fire alarm, telecommunications, and clock and program systems. Assessments along with photographs were input directly into a database system, along with estimates of probable construction cost to repair or upgrade a system when recommended.

City of New Orleans Fire Engine No. 36 - MCA is responsible for the mechanical, electrical and plumbing systems for 4 bay fire station with living quarters for nine fire fighters, their supervisors, apparatus and support equipment. This project includes utility hook-ups and tie-downs for trailers for temporary housing; demolition of the existing facility; rebuilding the programmed facility, and removal of temporary utilities and site clean-up of NOFD property. This project is in the early stages of design.

2016 Flood Assessments and Repairs, East Baton Rouge and Ascension Parishes – After the flood of 2016, MCA provided damage assessments and also provided MEP design for schools damaged in the flood. These included:
Lake Elementary (Assessment & Repairs)
Galvez Elementary (Assessment & Repairs)
St. Amant Middle School (Assessment & Repairs)
Apple Digital Academy (Assessment)
EBR Professional Development Center
Howell Park Elementary (Assessment)
North Highland Quads (Assessment)
Greenbriar Elementary (Assessment & Repairs)
Lanier Elementary (Assessment & Repairs)
Montgomery Education Center (Assessment & Repairs)
Brookstown Middle School (Assessment & Repairs)

10. Brief résumé of key persons anticipated to work on this project

a. Name, title & domicile	b. Position or Assignment for this project
Kimball Schlafly, PE – Sr. Electrical Engineer New Orleans, LA	Sr. Electrical Engineer
c. Name of firm by which employed full time	d. Years' experience: 64
Marrero, Couvillon & Associates, LLC.	With this firm: 3 With other firms: 29
e. Education: Degree(s) / Years / Specialization	f. Active registration:
Bachelor of Science/1988/Electrical Engineering	Year registered: 1998 Branch: Electrical LA License No.: 0027699
g. Specific experience and qualifications relevant to the proposed project:	

Mr. Schlafly has over 29 years of engineering experience in electrical engineering, project engineering and project management. He has been responsible for various projects requiring design of lighting, low and medium voltage power distribution, standby and emergency power systems, telecommunications, fire alarm, access control, video surveillance, and theatrical audio/visual and lighting systems. Mr. Schlafly has worked on projects with clients in both the public and private sector, such as the Recovery School District in New Orleans, Facility Planning and Control in Baton Rouge, Tulane University, Loyola University, University of New Orleans, as well as with various Architects, Engineering firms, and building owners. Prior to joining Marrero, Couvillon & Associates, Mr. Schlafly was managing partner of his own firm, working for contractors and owners on design-build projects as well as architects on design-bid projects.

Hurricane Ida Damage Assessment at Tulane University, New Orleans, Louisiana - Two days after Hurricane Ida passed, Marrero, Couvillon & Associates' staff were on site at the University undertaking damage assessment of school facilities. The team worked at both the uptown campus and the downtown medical school. Over the course of 5 days, the MCA team performed damage assessment on 30 university buildings. Information gathered on site was input into a database utilizing tablets and 3-D cameras. The information will be used by the university for coordination with FEMA and insurance carriers.

Hurricane Laura Damage Assessment, FCI Oakdale, Oakdale, LA - After Hurricane Laura devastated Southwest Louisiana, the Federal Bureau of Prisons assigned a task to MCA to assess damage at the prison in Oakdale, make prioritized recommendations for repairs and upgrades, and provide estimates of expected repair costs. MCA surveyed all buildings at the facility over a three-day period, and then assembled a report which included a description of damages, recommendations for repair and upgrades, and cost estimates for recommendations.

NOLA Public Schools Facilities Assessment, New Orleans, Louisiana - MCA was responsible for the mechanical, electrical, and plumbing systems assessments for all 86 schools in the New Orleans Public School system. Over the course of three months, mechanical and electrical engineers visited each school, met with principals and facilities directors, and examined the electrical, mechanical, and plumbing systems. The assessments followed the Uniformat Standard for building systems categories. Electrical categories included electrical service and distribution, emergency lighting and power systems, lighting equipment, telephone systems, local area networks, video surveillance, intrusion detection, access control, fire alarm, telecommunications, and clock and program systems. Assessments along with photographs were input directly into a database system, along with estimates of probable construction cost to repair or upgrade a system when recommended.

EMD Maintenance Facility, New Orleans, Louisiana - MCA is providing the mechanical and electrical engineering services for the construction of a new automotive maintenance facility of approximately 17,100 sq. ft. for the City of New Orleans. The facility includes, maintenance bays, parts storage, break room, locker rooms, offices, conference room, and other support spaces. MCA will be responsible for the Heating, Ventilating and Air Conditioning (HVAC) systems with a VFD Air Handler, Plumbing systems, Electrical service, Power distribution system and raceways, Lighting, Fire alarm system, and Generator.



Ralph P. Fontcuberta, Jr., PLS

Executive Vice President; Registered Professional Land Surveyor

Louisiana, Professional Land Surveyor, No. 4329, 1974

Mississippi, Professional Land Surveyor, No. 1633, 1974

2 years, Building Trade Curriculum, Delgado, New Orleans

2 years, Mathematics, University of New Orleans

Years with this Firm: 39 (1982)

Total Years Experience: 54 (1967)

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 co-founded BFM Corporation in 1982 after serving with another surveying firm for over 15 years and is currently a partial owner of the firm. Mr. Fontcuberta is thoroughly knowledgeable in all facets of surveying: boundary, hydrographic, topographic, and right-of-way surveying, as well as residential, plant, and industrial layout. 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. This work has included projects for numerous branches of the Jefferson Parish Government, the Louisiana Dept. of Transportation & Development (LADOTD), the Louisiana Dept. of Natural Resources (LADNR), the U.S. Army Corps of Engineers (USACE), the Mississippi Dept. of Transportation (MDOT), the Dept. of the Navy, Entergy, BellSouth, and various other municipalities and public/private entities.

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)

Almonaster Avenue Bridge Rehabilitation Project (DOTD H.014530), New Orleans, LA. The existing Almonaster Avenue Bridge over the Inner Harbor – Navigation Canal (IH-NC) is a movable Strauss-heel trunnion bridge built circa 1920 and is owned and operated by the Board of Commissioners of the Port of New Orleans. The bridge carries two railroad tracks owned by CSX Transportation, Inc., and one vehicular lane in each direction; however, the vehicular lanes are closed. The Board, in conjunction with the Louisiana Department of Transportation and Development (LADOTD) and the City of New Orleans, wishes to modify the bridge and approach roadways. BFM was contracted to provide surveying services for multiple phases of the overall project, including topographic surveying, GPS static control, and survey line. Drone surveying is a key element. (\$46,550 (fee); ongoing)

Inner Harbor Navigation Canal Levee & Floodwall Breaches, New Orleans, LA. BFM provided cross section at various locations of the Inner Harbor Navigation Canal for levee and floodwall breach repairs. A U.S. Army Corps of Engineers project. (\$30,000 (fee); 2006)

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)

continues

continued **Ralph P. Fontcuberta, Jr., PLS**
Executive Vice President; Registered Professional Land Surveyor

Undesignated Canal Survey, Norco, St. John the Baptist Parish, LA. BFM provided topographic surveying services for an undesignated canal, in Norco, Louisiana, adjacent to the Shell Refinery and intersecting with the established Engineer's Canal. (\$11,580 (fee); 2017)

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

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; 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)

High Water Mark/Inundation Data Surveys, Various Parishes throughout Southern Louisiana. In the wake of Hurricanes Katrina and Rita, BFM provided surveying for high water marks/inundation data as noted by URS technicians in various Parishes throughout Southern Louisiana, including the Parishes of Livingston, Coupee, Rapides, Calcasieu, Allen, Beauregard, Vernon, Avoyelles, and St. Landry. (\$27,300 (fee); 2006)

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)

Multiple Post-Katrina FEMA Trailer Site Surveys throughout the Metro Area. BFM provided topographic surveying for multiple FEMA trailer sites (Coca-Cola Plant, Perry Street Wharf, UNO-SUNO, etc.) as requested. (2005/2006)

Upper Barataria Basin Risk Reduction (UBRR) Project, Segment 3, Lafourche Parish, LA. BFM's scope of services included all topographic & hydrographic surveying as directed; magnetometer surveying was utilized to determine the presence of pipelines within the subject survey area. BFM established as client-supplied baseline and Temporary Benchmarks (TBM). Provided cross sections along Bayou Des Allemands and located elements & existing improvements within the designated limits of survey, as well as above- & below-ground utilities. As-built data was also taken into account. (\$118,873 (fee); 2019)

FEMA New Orleans Streets Program/Submerged Roads Program (Recovery Roads Program), City of New Orleans, LA. BFM Corporation provided surveying services for the FEMA New Orleans Streets Program (Recovery Roads Program; approximately three dozen separate contracts); this work involved the preparation of a Route Topographic Survey (FEMA) for each project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Project involved coordination with Prime Firm schedule and the City, as well as extensive records research. (\$8.9 M (cumulative fee); 2013 – 2018)

CGB Marine Facility, LaPlace, St. John the Baptist Parish, LA. Scope of services executed by BFM involved a topographic with hydrographic survey. This involved a Single Profile commencing at protected side toe of Mississippi River Levee (and extending perpendicular to the river). The hydrographic survey extended approximately 400 ft. from the water's edge (approx. 1,475 LF). (\$5,000 (fee); 2019)



Chad M. Poché, P.E.

Vice President; Geotechnical Engineer

2002, Civil Engineer, Mississippi No. 15405

1998, Civil Engineer, Louisiana No. 27667

M.S., 1998, Civil Engineering, University of New Orleans

B.S., 1993, Civil Engineering, Louisiana State University

TWIC (Transportation Worker Identification Card)

Years with this Firm: 10 (2011)

Total Years Experience: 28 (1993)

Mr. Poché is the Vice President, co-founder, and partner in Gulf South. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career. Further, Mr. Poché is a Member-at-Large of the American Council of Engineering Companies of Louisiana.

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

Charity Hospital Building Redevelopment Project, New Orleans, LA. Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans, Louisiana. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project's total cost was \$500 million. (\$200,000 (est. fee); ongoing)

Highway 90 Tie-In Levee, Upper Barataria Risk Reduction Program Segment 4, St. Charles Parish, LA. Geotechnical investigation for construction of a new earthen levee within the 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, 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. (\$174,720 (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

Chad M. Poché, P.E.

continued

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)

Bayou Gauche/Sunset Levee - New Roller Gate, Upper Barataria Risk Reduction Program Segment 2, St. Charles Parish, LA. Geotechnical investigation for construction of a new roller gate and T-wall structures within the UBRR flood protection/risk reduction system in St. Charles Parish, LA. Gulf South's scope includes drilling undisturbed soil borings, CPT probes, lab testing (including consolidation tests), and engineering analyses including site/soil characterization, global/local SSA for floodwalls, levee tie-ins, and floodgates, design levee lift stability, 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. The borings and CPT were performed over water using barge-mounted equipment. (\$110,880 (fee); 2020)

FEMA Submerged Roads Program, Marlyville-Fountainbleau Neighborhood, City of New Orleans, LA. Geotechnical investigation to determine existing pavement conditions (thicknesses and material types). Scope included drilling 73 pavement cores and soil borings to a depth of 5 feet (66 in asphalt and 7 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$58,493 (fee); 2013)

FEMA Submerged Roads Program, Pontchartrain Park, City of New Orleans, LA. Geotechnical investigation for the FEMA Submerged Roads Program, to determine existing pavement conditions (thickness & material types). Scope included drilling 65 pavement cores and soil borings to a depth of 5 feet each. Proposed pavement cores consist of 12 asphalt cores and 53 concrete cores. (\$16,360 (fee); 2014)

Community Safe Room (Corbin Avenue), Town of Walker, Livingston Parish, LA. Geotechnical investigation for a new building (17,000 sf) at the subject site. Gulf South's scope includes drilling five undisturbed soil borings to depths of 40, 20, & six feet and providing engineering analyses including allowable soil bearing values, allowable pile/shaft load capacities, estimate of settlement, flexible and/or rigid pavement design recommendations, and general construction recommendations. (\$8,925 (fee); 2018)

Marrero Wastewater Treatment Plant – New Administration Building and Safe Room, Marrero, Jefferson Parish, LA. Geotechnical investigation for a new administration building and safe room at the Marrero WWTP off Lapalco Blvd. in Marrero, LA. Gulf South's scope includes drilling two soil borings each to a depth of 60 feet, lab testing, and geotechnical engineering analysis including allowable pile load capacities, estimate of settlement, and general construction recommendations. (\$6,500 (fee); 2015)

South Lafourche Levee District: Cut Off/Point Aux Chenes Levee Design - Reach K, Lafourche Parish, LA. Geotechnical investigation for proposed levee improvements to Reach K along Grand Bayou between Cut Off and Point Aux Chenes. Scope includes two drilling phases consisting of three soil borings for Phase I (land borings), and drilling six soil borings (3 borings for levee; 3 borings for borrow/fill) for Phase II. Phase II borings drilled in water or marsh. In addition, lab testing (strength, classification, consolidation), and geotechnical engineering analysis consisting of new levee design recommendations, slope stability analyses, estimates of settlement, estimate of strength gain, and general construction recommendations were performed. All project elements reviewed by Louisiana CPRA. (\$69,000 (fee); 2015)



John Philip Thayer

Field Operations Supervisor

Professional Land Surveyor Registration in process, State of Louisiana

Certificate, 2015, Land Surveying Services

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

Years with this Firm: 13 (2008)

Total Years Experience: 14 (2007)

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. He has provided field surveying and project supervision on hundreds of roadway projects with BFM Corporation.

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)

River Road Estates Construction Layout, Hahnville, St. Charles Parish, LA. BFM provided surveying services for the construction layout of River Road Estates. The project featured drone-based surveying services. (\$17,445 (fee); 2018)

FEMA New Orleans Streets Program/Submerged Roads Program (Recovery Roads Program), City of New Orleans, LA. BFM Corporation provided surveying services for the FEMA New Orleans Streets Program (Recovery Roads Program; approximately three dozen separate contracts); this work involved the preparation of a Route Topographic Survey (FEMA) for each project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Project involved coordination with Prime Firm schedule and the City, as well as extensive records research. (\$8.9 M (cumulative fee); 2013 – 2018)

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

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

continued **John Philip Thayer**
Field Operations Supervisor

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)

Mid City Apartments Phase II, New Orleans, LA. BFM provided comprehensive surveying services associated with Phase II of the Mid City Apartments project in New Orleans. This phase involved the construction layout survey of the Apartment Building and Parking Garage, which consisted of shooting existing elevations, provision of corners, and staking piles. After project completion, an As-Built Survey was executed for both buildings. (\$54,000 (fee); 2019)

Upper Barataria Basin Risk Reduction (UBRR) Project, Segment 3, Lafourche Parish, LA. BFM's scope of services included all topographic & hydrographic surveying as directed; magnetometer surveying was utilized to determine the presence of pipelines within the subject survey area. BFM established as client-supplied baseline and Temporary Benchmarks (TBM). Provided cross sections along Bayou Des Allemands and located elements & existing improvements within the designated limits of survey, as well as above- & below-ground utilities. As-built data was also taken into account. (\$118,873 (fee); 2019)

New North Terminal, Louis Armstrong New Orleans International Airport, Kenner, LA. BFM provided all required surveying services (topographic, boundary, etc.) as required for this \$800 million project which consists of the construction of a new terminal facility including a new 800,000 square foot building, vehicle ramps, parking garage & lots, and other airport appurtenances. Changes to the scope occurred due to project area expansion and additional service needs by the Prime, all of which were handled by BFM. (\$208,541 (fee); 2014)

Lafitte Housing Surveys, Housing Authority of New Orleans (HANO), LA. BFM provided surveying services for the Lafitte Housing project in New Orleans. Specifically, BFM's tasks included ALTA survey, as-built survey, and construction elevations/final elevations. (\$120,715 (fee); 2011)

New Veterans Administration Hospital, First District, Orleans Parish, LA. BFM provided surveying services for the project. This included the general area around the building, South Galvez between Canal Street & Tulane Avenue, and a general survey of the existing infrastructure within the project limits. (\$88,944 (fee); 2010)

Ernest N. Morial Convention Center Neighborhood Site Infrastructure, New Orleans, LA. BFM provided boundary & topographic surveying services for the project site (900 Convention Center Boulevard in New Orleans) for the Convention Center Development District. The project executed was adherent to the client-provided AIA document (dated August 20, 2015). (\$86,720 (fee); 2015)

SLFPA-E Levee Certification Phase 2 Survey - 40 Arpent & Maxent Levees, Orleans & St. Bernard Levee Systems, Orleans Parish, LA. BFM surveyed the centerline of the 40 Arpent "Back" Levee (in excess of 124,000 lf on a 100 ft grid). Control points were established utilizing RTK GPS. In addition, each pump station was surveyed and all grade breaks/roads were obtained along the centerline of the levee. The old shrimp building at Violet Canal was also located as part of the survey. Surveys included utility locations (based on field evidence, investigation, and available utility records) as well as foundation of above-ground utility poles, wet wells, and pipeline crossings. Bathymetry information was incorporated into cross-section point file and combined with ground survey; this information was further converted to the same elevations as the levee profile work. Additional cross sections were surveyed to support detailed geotechnical analysis; locations were coordinated with the geotechnical engineer of record for the project. These cross sections extended 100 ft from the toe of the levee in both directions and included bathymetry of the lake, wetland, or canal, depending on location, and extended until depth of the body was determined. (\$46,505 (fee); 2013)



Gary J. Lambert, Jr., PLS

Project Manager/Drafting Supervisor

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

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

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

Basic OSHA Training - Completed

Gulf Coast Safety Council, 08SSV, ID429523

Years with this Firm: 3 (2018)

Total Years Experience: 3 (2018)

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) and is a Registered Professional Land Surveyor in the State of Louisiana (No. 5929, 2021).

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)

Upper Barataria Basin Risk Reduction (UBRR) Project, Segment 3, Lafourche Parish, LA. BFM's scope of services included all topographic & hydrographic surveying as directed; magnetometer surveying was utilized to determine the presence of pipelines within the subject survey area. BFM established as client-supplied baseline and Temporary Benchmarks (TBM). Provided cross sections along Bayou Des Allemands and located elements & existing improvements within the designated limits of survey, as well as above- & below-ground utilities. As-built data was also taken into account. (\$118,873 (fee); 2019)

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 services were also included. (\$68,090 (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)

continued **Gary J. Lambert, Jr., PLS**
Field Operations Supervisor

Broadmoor/Freret Transmission Line Replacement, New Orleans, LA. BFM's scope of services included a Route Topographic Survey for the project area, which included South Claiborne Avenue, Eden Street, and Magnolia Street. A later element included South Claiborne Avenue from the westerly property line of Tulane University to the westerly right-of-way for Jefferson Avenue. (\$75,140 (fee); 2021)

St. Claude Group G (RR172) Route Topographic Survey, City of New Orleans, LA. BFM's Route Topographic Surveying services for this group encompassed multiple routes: Congress Street, Independence Street, Alvar Street, Bartholomew Street, and Mazant Street, with various segments totaling 8,425 linear feet. 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. (\$58,975 (fee); 2020)

Expansion of the Port of New Orleans Cold Storage Facility, Port of New Orleans, LA. BFM provided surveying services for the Cold Storage Facility Expansion Project, located at 3411 Jordan Road, for the Port of New Orleans, Louisiana. The scope of services included a topographic survey; this included establishing three temporary benchmarks (TBMs) and location of improvements & utilities. Spot elevations were taken at 25 foot intervals and at grade breaks within the limits of survey. (\$29,710 (fee); 2020)

Brewster Road Subsurface Drainage Improvements and Proposed Detention Pond, St. Tammany Parish, LA. BFM provided multiple surveying services (including Route Topographic, Right-of-Way, Drainage Study, Property Acquisition) for the Brewster Road Subsurface Drainage Improvements and Proposed Detention Pond in St. Tammany Parish. The Limits of Survey included the area of Brewster Road between LA HWY 1077 and LA HWY 21; BFM provided Temporary Benchmarks, location of all improvements (natural and man-made) and utilities (including drainage, sewer, and water structures), and coordination with State and Local agencies. BFM took cross-sections at 100 ft. intervals and property corners along the route to determine rights-of-way. (\$203,320 (fee); 2020)

John Hopkins Force Main, City of Kenner, LA. BFM provided Route Topographic and right-of-way surveying services for the project which was located along a portion of Ole Miss Drive in Kenner. (\$12,510 (fee); 2020)

Gentilly Terrace South Group (RR203) Surveying Services (Lavender Street), New Orleans, LA. BFM provided Route Topographic Surveying services for the RR203 Gentilly Terrace South Group (Lavender Street, from Lotus Street to Iris Street), consisting of approximately 1,620 linear feet. For the RTS, the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$4,250 (fee); 2020)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent R/W (right-of-way) to apparent R/W along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. 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. (\$26,410 (fee); 2020)

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)



Christopher Lemley

Quality Control Supervisor / Survey Crew Chief

American Traffic Safety Service Assn. – Traffic Flagger

Years with this Firm: 7 (2014)

Total Years Experience: 15 (2006)

Christopher Lemley's surveying experience includes over 7 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery project (including L.B. Landry, George Washington Carver, and Alice M. Harte schools). Further, Mr. Lemley serves as BFM's Quality Control Supervisor.

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

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue. 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)

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)

Upper Barataria Basin Risk Reduction (UBRR) Project, Segment 3, Lafourche Parish, LA. BFM's scope of services included all topographic & hydrographic surveying as directed; magnetometer surveying was utilized to determine the presence of pipelines within the subject survey area. BFM established as client-supplied baseline and Temporary Benchmarks (TBM). Provided cross sections along Bayou Des Allemands and located elements & existing improvements within the designated limits of survey, as well as above- & below-ground utilities. As-built data was also taken into account. (\$118,873 (fee); 2019)

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 services were also included. (\$68,090 (fee); 2020)



Blake E. Vutera, P.E.

Engineering Manager; Geotechnical Engineer

2013, Civil Engineer, Louisiana No. 38607

2018, Professional Engineer, Texas No. 129410

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

TWIC (Transportation Worker Identification Card)

Years with this Firm: 9 (2012)

Total Years Experience: 15 (2006)

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.

Highway 90 Tie-In Levee, Upper Barataria Risk Reduction Program Segment 4, St. Charles Parish, LA.

Geotechnical investigation for construction of a new earthen levee within the 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, 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. (\$174,720 (fee); 2021)

Charity Hospital Building Redevelopment Project, New Orleans, LA. Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans, Louisiana. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project's total cost was \$500 million. (\$200,000 (est. fee); ongoing)

FEMA Housing Inspection, East Baton Rouge Parish, LA. Project management for inspections for FEMA program (Shelter in Place Program Support) in East Baton Rouge Parish, LA. Gulf South's scope includes managing inspection personnel per assigned task orders. (\$320,000 (fee); 2016)

Marrero Wastewater Treatment Plant – New Administration Building and Safe Room, Marrero, Jefferson Parish, LA. Geotechnical investigation for a new administration building and safe room at the Marrero WWTP off Lapalco Blvd. in Marrero, LA. Gulf South's scope includes drilling two soil borings each to a depth of 60 feet, lab testing, and geotechnical engineering analysis including allowable pile load capacities, estimate of settlement, and general construction recommendations. (\$6,500 (fee); 2015)

Blake E. Vutera, P.E.

continued

FEMA Submerged Roads Program, Marlyville-Fountainbleau Neighborhood, City of New Orleans, LA.

Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). Scope of work included drilling 73 pavement cores and soil borings to a depth of 5 feet (66 in asphalt and 7 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$58,493 (fee); 2013)

Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA.

This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage & Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

FEMA Submerged Roads Program, Pontchartrain Park, City of New Orleans, LA.

Geotechnical investigation for the City of New Orleans c/o SESI, FEMA Submerged Roads Program, to determine existing pavement conditions (thickness & material types). Scope of work included drilling 65 pavement cores and soil borings to a depth of 5 feet each. Proposed pavement cores consist of 12 asphalt cores and 53 concrete cores. (\$16,360 (fee); 2014)

Safe House Project – Claiborne Avenue Facility, Sewerage and Water Board of New Orleans, LA.

Field testing and evaluation for design and remodel of an existing building into a safe house for the Sewerage and Water Board of New Orleans. Testing consisted of coring concrete walls, columns, and floors and sampling steel from steel beams and trusses to determine their structural integrity. (\$4,928 (fee); 2016)

New Safe Room (LA Highway 61), LaPlace, St. John the Baptist Parish, LA.

Geotechnical investigation for a new safe room building (3,200 sq. ft.; 1-story) off LA Hwy 61 (Airline Hwy.) for the Parish in LaPlace, LA. Gulf South's scope includes drilling one (1) soil boring to a depth of 50 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, allowable pile load capacities, estimate of settlement, and general construction recommendations. (\$2,800 (fee); 2015)

FEMA Submerged Roads Program, Bayou St. John & Fairgrounds Neighborhoods, City of New Orleans, LA.

Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thickness and material types). This investigation was for the Seventh Ward Neighborhoods in New Orleans, LA. Scope of work included drilling 8 pavement cores and 2 soil borings to a depth of 5 feet (2 in concrete, 4 in asphalt, 2 in combo. concrete/asphalt), performing laboratory testing, and providing engineering reports of our findings. (\$7,786 (fee); 2014)

South Lafourche Levee District: Cut Off/Point Aux Chenes Levee Design - Reach K, Lafourche Parish, LA.

Geotechnical investigation for proposed levee improvements to Reach K along Grand Bayou between Cut Off and Point Aux Chenes in Lafourche Parish, LA. Gulf South's scope includes two drilling phases consisting of three soil borings to a depth of 60 feet each for Phase I (land borings), and drilling six soil borings to depths of 60 feet (3 borings for levee) and 20 feet (3 borings for borrow/fill) for Phase II. Phase II borings drilled in water or marsh. In addition, laboratory testing (strength, classification, consolidation), and geotechnical engineering analysis consisting of new levee design recommendations, slope stability analyses, estimates of settlement, estimate of strength gain, and general construction recommendations were performed. All project elements reviewed by Louisiana CPRA. (\$69,000 (fee); 2015)

WORK QUALITY, COST CONTROL, AND COMPLETION OF WORK ON SCHEDULE

The SCG Team assembled for this RFQ has experience on a variety of both large and small projects similar to the projects under this RFQ. Our team understands that drainage and paving projects can be multi-jurisdictional and it is critical to understand the various jurisdictional regulations. We fully understand what is expected of a design team when preparing construction documents for the reconstruction of projects in an established built environment. We fully understand what the Sheriff's Office is looking for from a design team and what is expected for the end product.

Culture and Project Management

Stuart Consulting Group, Inc. (SCG) prides itself in having a client-service-oriented culture. With this in mind, our approach to project management is based on the unique needs of each individual client and project, not solely on our engineer's years of experience. This approach allows for all members of our team to work to their strengths. In some cases, it may lead to a more senior engineer performing a specific task on a project that is managed by a less senior engineer who has more experience with the overall project. We have found that by focusing more on the needs of our clients and less on hierarchy, we have not only been able to better meet our clients' expectations, we have also developed a strong team of professionals with diverse range of expertise.

Documentation

SCG believes the adage "if it's not in writing it never happened" is the basis for any project's timely delivery. From filing of email messages to recording and distribution of detailed meeting minutes we are able to provide project timelines and records of decision that stand up to scrutiny. Our documentation standard has been recognized as some of the most detailed (if not the most detailed) in the state.

Communication and Reporting

Equal to documentation, regular communication and standard reporting is crucial to project progress and timely decisions. Our standard reporting and meeting processes allow SCG to provide exceptional project histories and allows our clients full visibility on project status and progress. As noted, we provide written records of decision for every meeting that takes place as well as a list of commitments from each meeting indicating what has been agreed to be done and by whom. Typically this list of commitments has proposed completion dates and is review at the start of the next meeting.

QA/QC

Quality Assurance and Quality Control both internally (in the review of SCG design) and externally (the review of subcontractor deliverables) will be key components to the program. SCG prides itself on a program of QA/QC that begins with a complete understanding of the client's needs as documented in a Preliminary Design Report (PDR). After the needs are well documented a team of engineers and designers under the direction of a Sr. Engineer, develop the project timeline and budget. While not typically involved in the day to day development of the design, the Sr. Engineer provides guidance throughout the project (QA). When the design reaches an advanced stage, an engineer that has not been involved with the project on a daily basis, will review both the PDR and the final design to confirm that the design meets the stated needs and complies with SCG product standards (QC).

WORK QUALITY, COST CONTROL, AND COMPLETION OF WORK ON SCHEDULE

Project Progress Review

Second only to project documentation is regular and open communication between all parties involved in order to maximize efficiency while providing timely high-quality program delivery. Meetings are followed up by documented meeting minutes and all written correspondence is cataloged and filed using standard procedures. This level of documentation and project lifecycle control has proved invaluable as programs and projects progress.

Construction Management

Any construction management program will involve the highest level of documentation, regular communication, and implementation of standard procedures. SCG uses several different tracking tools and has a staff of experienced construction managers ready to address whatever needs St. John the Baptist Parish may have. Our success on projects ranging from major historical renovations to street and infrastructure repairs has given us a unique background in the different processes.



RELEVENT EXPERIENCE & REFERENCES



HARRIS COUNTY FLOOD CONTROL DISTRICT – DISASTER RECOVERY PROGRAM HARRIS COUNTY, TX

*Harris County Flood Control
9900 Northwest Freeway
Houston, TX 77092
Matt Zeve, Deputy Executive Director
346-286-4000
Matthew.Zeve@hcfcd.hctx.net*

Year: 2016
Total Project Cost: \$
Construction Cost Managed: \$90M(Est.)
Grant Value Managed: \$115M
Mitigation Grants Currently Being Pursued: \$700M +

Following the 2016 “Tax Day” flood in Harris County, TX SCG was contracted to assist the Harris County Flood Control District (HCFCD) with their post-disaster recovery program. The program has expanded to include the large-scale recovery efforts following the historic Hurricane Harvey which impacted the same area a year later. HCFCD manages over 2,500 miles of open stormwater conveyance channels across over 1,700 mi² in the 4th largest city in the United States.

SCG has met the following program needs to date: full damage assessment of HCFCD’s 2,500 miles of channels, developing and submitting grant applications for federal assistance, navigating the unique requirements of several federal assistance programs, estimating repair costs, scoping repair projects, negotiating design contracts for the repairs, reviewing design submittals for feasibility and conformance with client standards, managing program scope/schedule/budget, and detailed reporting to the client. Additionally, SCG is providing full-time on-site inspection during construction of the county-wide repairs.

The types of damages observed as a result of the floods include toe-line erosion, scour at discharge pipes, rotational bank failures, sloughing, undermining of concrete slope paving, displacement of rip-rap, and culvert failures. The repairs for these damages cover a broad range of standard channel repair methods for open stormwater channels typical in southeast Texas and southern Louisiana.

DISCIPLINES: Program Management, Direct Administration, Construction Management



In addition to the repair of damages caused by the floods, SCG has also been tasked with identifying and pursuing opportunities for structural projects to mitigate the risk of future flooding in the county. This process involves developing and evaluating H&H modeling using software such as HEC-RAS and plotting pre- and post-project inundation maps to quantify project benefits.

To date, SCG has helped HCFCD to receive over \$115M of federal grant assistance through FEMA-PA, HMGP, NRCS, USACE, EDA, and CDBG-DR to fund repairs and mitigation projects across the county. SCG is also currently pursuing over \$700M of additional grants through a wide variety of federal and state funding programs to help fund additional repair and mitigation projects. The additional programs include FEMA-PA, CDBG-MIT, TWDB-FIF, FEMA-PDM/BRIC, and EDA CARES Act Funding.

PROGRAM MANAGEMENT & DIRECT ADMINISTRATION OF FEMA-REIMBURSED CAPITAL REPAIRS

City of Slidell
2055 Second Street
Slidell, Louisiana 70458
Greg Cromer, Mayor,
985-646-4332
cromer@cityofslidell.org

Year: 2010-present
Total Project Cost: \$125 Million
(\$21 Million by HMGP)

In June 2011, Stuart Consulting Group (SCG) was contracted by the City of Slidell to perform Program Management and Direct Administration for their FEMA Public Assistance and 404 HMGP Recovery Program for Hurricane Katrina. When SCG came on board, the City had identified approximately \$20 million of damages and mitigation projects. However, SCG examined the City's facilities and was able to identify over \$54 million of additional damages. SCG also worked with FEMA and GOHSEP to develop an Improved Project to implement the additional repairs efficiently and minimize the documentation burden on the City. Additionally, SCG assisted the City with requesting and receiving additional 404 HMGP funding to provide additional improvements to a critical drainage pumping station. To date, SCG has aided the City of Slidell in managing a \$100 million Katrina recovery program and has closed out nearly all of the City's 173 project worksheets.

SCG helped the City to identify and quantify damages to their roadway and utility infrastructure that were caused by Hurricane Katrina that had not previously been realized. As a result of this work, the City received a \$60 M improved project grant award through the FEMA Public Assistance program to rehabilitate the infrastructure in the affected drainage basins. SCG has helped the City by managing the rehabilitation program through project development, design, and construction.



The final construction project in this program is expected to conclude in 2021.

DISCIPLINES: Program Management, Direct Administration, Construction Management

TASKFORCE HOPE - GREATER NEW ORLEANS HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEMS (HSDRRS)

*U.S. Army Corps of Engineers,
New Orleans District
One Galleria Blvd., Suite 1730
Metairie LA 70001
Ashlyn Graves
504-836-8190
Agravas@evans-graves.com*

*Year: 2011-2014
Total Project Cost: \$3 Billion*

Stuart Consulting Group, Inc. (SCG) was hired as a sub-consultant to provide temporary staffing services for various projects related to its Program Management contract with the U.S. Army Corp of Engineers (USACE). SCG staff supported the project management of the planning, design, and construction of the IHNC Surge Protection Project, the Storm Proofing of Existing Pump Stations and Levee Projects within the New Orleans District. The IHNC project is the largest (\$700 M) design-build civil works project undertaken by the USACE. The 8,000-foot barrier will include three navigable gates: two 150-foot gates (a sector gate and a barge gate) along the GIWW; and one 56-foot sector gate on Bayou Bienvenue. The Storm Proofing of Existing Pump Stations is a \$340 M program to storm proof over 40 drainage pump stations in Orleans and Jefferson Parishes.

Previously, SCG staff provided support for the project management of the planning, design, and construction for the Repairs of Existing Pump Stations and the Outfall Closures and Permanent Pump Stations. The repair program was a \$100 M program for the Hurricane Katrina damaged drainage pump stations in St. Bernard, Plaquemines, Orleans, and Jefferson Parishes. The Outfall Closures and Permanent Pump Stations Project was completed by 2015 and will function as a permanent closure to the three outfall canals within the City of New Orleans. The project was funded by \$800 M Congressional legislation in response to Hurricane Katrina. Activities included two phases of conceptual design, hydraulic analysis and program integration. The stations range in size from 12,500 cfs to 3,900 cfs.



**DISCIPLINES: Project Management,
Construction Management**

Program Management & Direct Administration of FEMA-Reimbursed Capital Repairs

Orleans Levee District, Non-Flood Protection Management Authority
6001 Stars and Stripes Blvd
New Orleans LA 70126
Louis Capo
504-355-5990
lcapo@orleanslevee.com

Year: 2013 - Ongoing
Total Project Cost: \$80 Million

In July 2010, SCG was contracted to perform project management on several active design and construction projects under the management of the Non Flood Assets (NFA) with the option to perform management and direct administration on all 160 plus FEMA funded projects. In February 2011, after successfully exceeding client expectations, SCG was authorized to proceed with direct administration of all 160 plus projects.

By aggressively reviewing each project and its expenditures, SCG has assisted the NFA in obtaining over \$20 M in funding which would have gone unreimbursed had it not been reviewed. In addition, there was \$10 M in additional reimbursement in project worksheet version requests which SCG generated and pushed through obligation. Utilizing up to date estimating and scope alignment tools SCG has identified over \$10 M in funding for alternate projects that would have gone unreimbursed.



DISCIPLINES: Program Management, Direct Administration, Construction Management

BELLE CHASSE DRAINAGE – VARIOUS CANAL IMPROVEMENTS BELLE CHASSE, LA

*Plaquemines Parish Government
333 F. Edward Hebert Blvd., Building 100
Belle Chasse, LA
Ken Dugas, Chief Engineer
504-297-5000
Ken_Dugas@plaqueminesparish.com*

Year: July 2014
Total Project Cost: \$923,000

The scope of this project included designing a sub-surface drainage system to replace the existing open ditches in the East Third Street Neighborhood. SCG was responsible for analyzing the existing drainage basin and sizing new drainage pipes to adequately convey storm water runoff. One feature of this project was the addition of a 36" discharge pipe to relieve localized flooding due to undersized drain lines downstream from the project. The project also featured the offset of several water lines to accommodate the new drain lines.

Since completion of construction activities, the East Third Street neighborhood has experienced several major rain events without any flooding observed.



DISCIPLINES: Engineering Design, Construction Administration

BELLE CHASSE DRAINAGE – EAST THIRD STREET NEIGHBORHOOD DRAINAGE IMPROVEMENTS BELLE CHASSE, LA

*Plaquemines Parish Government
333 F. Edward Hebert Blvd., Building 100
Belle Chasse, LA
Ken Dugas, Chief Engineer
504-297-5000
Ken_Dugas@plaqueminesparish.com*

Year: July 2014
Total Project Cost: \$923,000

The scope of this project included designing a sub-surface drainage system to replace the existing open ditches in the East Third Street Neighborhood. SCG was responsible for analyzing the existing drainage basin and sizing new drainage pipes to adequately convey storm water runoff. One feature of this project was the addition of a 36" discharge pipe to relieve localized flooding due to undersized drain lines downstream from the project. The project also featured the offset of several water lines to accommodate the new drain lines.

Since completion of construction activities, the East Third Street neighborhood has experienced several major rain events without any flooding observed.



DISCIPLINES: Engineering Design, Construction Administration

ERNEST N. MORIAL CONVENTION CENTER EXPANSION NEW ORLEANS, LA

Ernest N. Morial Convention Center
900 Convention Center Blvd
New Orleans, LA 70130
David Mason
dmason@mccno.com
(504) 582-3000

Year: 2013
Total Project Cost: \$52 M
Construction Cost Managed: \$18.3M(Est.)

Stuart Consulting Group Inc. (SCG) provided civil engineering design, construction management and other services for the team selected to renovate the existing Convention Center Blvd. in front of the Ernest N. Morial Convention Center in New Orleans, LA. The scope of the project involved a road diet, converting the existing 4-lane divided roadway into a 2-lane roadway with a pedestrian-friendly linear parkway along the front of the Convention Center. In order to help reduce the traffic load on Convention Center Blvd., the project also included the addition of a multi-modal transportation center to create a centralized facility for bus, shuttle, taxi, and ride-share services for the Convention Center.

SCG's responsibilities on the project included all of the civil scope including, but not limited to, the following:

- Concrete Roadway Design – including horizontal and vertical geometric design, section design, matching existing barrier conditions, and drainage analysis.
- Multi-Modal Transportation Center Design – including site layout to accommodate multiple types of vehicles (buses, airport shuttles, taxis), maximize service volume, and promote pedestrian and vehicle safety. Design involved coordination with several transportation service providers, the Convention Center, the New Orleans Department of Public Works, and the Louisiana Department of Transportation and Development.
- Drainage Improvements – incorporation of several green drainage solutions to improve drainage and runoff in the project corridor. Solutions included the use of additional land-

scaping, bioswales and detention areas to reduce peak runoff rates.

- Utility Agency Coordination for Relocation of Transmission Poles - including assisting in the setup, coordination of, and participation in, meetings and/or workshops with responsible agencies regarding relocation and modification of existing utilities, including the relocation of several existing high voltage transmission lines.
- Cost Estimating – developed detailed construction cost estimates which helped to track budget during design.
- Boundary/Utility/Topography Survey Review - review of survey information for completeness based on survey performed by others.
- Pedestrian-Friendly Design – Several features were incorporated into the design to promote pedestrian safety and encourage walkability. These features included the road diet, reduced speed limits, clearly signed & marked crosswalks with Rectangular Rapid Flashing Beacons and pushbuttons, and a consolidated signalized crosswalk for the Multi-modal Transportation Center.
- People Mover System - including providing expert evaluation of proposed systems and analysis and evaluation of conflicting site utilities, grade transitions and sidewalk conflicts.



DISCIPLINES: Roadway Design, Drainage Design, Cost Estimating, Pedestrian Design, Project Management, Construction Management

PLAQUEMINES PARISH PUMP STATIONS PLAQUEMINES PARISH, LA

*Plaquemines Parish
Engineering Department
333 F. Edward Hebert Blvd., Building 100
Belle Chasse, LA 70037
Ken Dugas, Chief Engineer
504-297-5343
Ken_Dugas@plaqueminesparish.com*

Year: 2013
Total Project Cost: \$38 Million

Stuart Consulting Group managed the design of the replacement of several drainage pump stations that were damaged by Hurricane Katrina. After site visits to five drainage pump stations, SCG was able to defend four stations (consolidating two into one). In conjunction with our sub consultants, SCG was able to design and put out to bid four distinctly different pump stations under very tight emergency time constraints. SCG provided construction management through the completion of all four projects.

Pump Stations included:

- Braithwaite PS
- Sunrise PS
- Belair PS
- Gainard Woods PS



**DISCIPLINES: Drainage/Pump Station
Design, Construction Administration**

CITY OF NEW ORLEANS: STREET REPAIRS (LEONIDAS GROUP D) NEW ORLEANS, LA

*City of New Orleans
Department of Public Works,
Anh Nguyen, EI, 504-658-8000*

*Year: 2020
Total Project Cost: \$297,145*

The City of New Orleans Department of Public Works ("DPW") retained Stuart Consulting Group, Inc. (SCG) to provide professional engineering design services for full reconstruction of streets and public utilities along 37 blocks of the historic Leonidas neighborhood. The repairs in this neighborhood were broken into multiple design/bid packages with Leonidas Groups C & D serving as culmination of efforts by City forces to repair one of the areas most heavily impacted by Hurricane Katrina. While repairing and upgrading the City's infrastructure is a primary function of these projects, maintaining the historical elements of the area (e.g. Street name tiling, granite curbs, wooden curbs, etc.) is of the utmost importance to preserve the historic beauty of this culturally diverse neighborhood that can trace its roots back some two hundred years.

The project consists of the removal and replacement of sewer lines, sewer manholes, fire hydrants, and water lines throughout the project area. LAD-OTD hydraulics program was used to calculate the runoff from a 10 year storm to determine design values for peak runoff and to analyze the subsurface pipe sizes. The roadway is being designed using DPW's typical parabolic crown asphalt road with the addition of off-street parking where possible. The streets will be designed with grade breaks to allow positive drainage to the proposed catch basin locations. All corners are also to be upgraded to comply with current ADA standards and are to include a bi-directional handicapped ramps with truncated dome pavers.



**DISCIPLINES: Roadway Design,
Construction Management**

Marrero, Couvillon & Associates, LLC

Consulting Engineers



FEMA/HMGP Projects:



Department of Health and Hospitals, Emergency Generators, State of Louisiana

The State of Louisiana, through the Department of Health and Hospitals (DHH) as sub-grantee, is administering a **5% Hazard Mitigation – Generator Grant Program** funded by the Federal Emergency Management Administration (FEMA) through the Governor's Office of Homeland Security and Emergency Preparedness. There are approximately 100 participating facilities throughout the state of Louisiana with installations that must be verified. DHH retained Marrero, Couvillon & Associates to provide services required as part of the grant funding. Marrero, Couvillon & Associates is responsible for the inspection of existing generators at approximately 100 hospital and health facility sites in Louisiana. Assist DHH in organization of records and processing of invoices.



Citywide HMGP Generator Installation, City of New Orleans

The City of New Orleans has received a grant to install Automatic Switch Transfer (ATS) Switches and/or Emergency Generator to allow for continued operations during loss of power events. This will be done initially at 10 facilities, with more facilities to be added later. Marrero, Couvillon & Associates is responsible for preparing construction documents for bidding and Construction administration services.



Government Tower Generator – Terrebonne Parish Consolidated Government, Houma, LA

Terrebonne Parish was awarded FEMA Hazard Mitigation Grant Program funds to install a permanent diesel generator at the Government Tower building to provide near-continuous governance before, during and after an event of any sort. Marrero, Couvillon & Associates provided the design engineering services for a diesel generator/emergency power installation.

Marrero, Couvillon & Associates, LLC

Consulting Engineers



FEMA/HMGP Projects:

FEMA/HMGP projects below showing Marrero, Couvillon and Associates experience and knowledge.



Louis Armstrong New Orleans International Airport, Kenner, LA

Immediately after Hurricane Katrina, Marrero, Couvillon & Associates mobilized to begin recovery efforts throughout the area. Marrero, Couvillon & Associates's New Orleans staff consolidated with our staff in Baton Rouge and got to work. The day after the storm, Marrero, Couvillon & Associates was called to the airport to aid the airport and National Guard in getting the power restored to the facility. After the power was restored, Marrero, Couvillon & Associates was awarded a contract to do inspections, make recommendations for repairs and design temporary and permanent repairs to the entire airport and ancillary buildings. These projects included the Roof, High Mast Lighting, Terminal and Ancillary Buildings



FEMA Trailer Parks – Temporary Family Housing After Hurricane Katrina

Marrero, Couvillon & Associates performed engineering services for the design of electrical and plumbing infrastructures for the trailer parks, to accommodate 300 or more trailers in each park.



Lakefront Airport, New Orleans, LA

Marrero, Couvillon & Associates has undertaken design for multiple FEMA funded projects to repair/reconstruct flood damaged facilities at the Lakefront Airport in New Orleans. These projects are located in a V flood zone, requiring adherence to strict FEMA mitigation guidelines for prevention of future storm related damage. The facilities include Restoration of the 1934 Art-Deco Terminal Building - In addition to meeting FEMA mitigation requirements, design required safeguarding the historical nature of the building. Also include Repairs to the Airport Fire Station and Construction of 3 new Aircraft Hangars to replace 3 storm-damaged hangars. These facilities posed technically complex issues. A high density foam fire suppression system has been designed for fire protection in the hangar buildings. Water storage/pumping facilities for fire protection were needed due to an inadequate city water supply in the area.

Marrero, Couvillon & Associates, LLC

Consulting Engineers



Post Katrina Projects in the City of New Orleans:

Immediately after Hurricane Katrina, MCA mobilized to begin recovery efforts throughout the area. MCA's New Orleans staff consolidated with our staff in Baton Rouge and got to work. Immediately after the storm passed, Hugo Marrero was at the Louis Armstrong New Orleans International Airport assisting with efforts to bring airport electrical systems back online. In the aftermath of the storm, MCA also performed additional damage assessments and design of repairs for the following projects:

Lakefront Airport

- o Terminal (Historic Building)
- o Fire Station (ARFF)
- o Bastian Mitchell Hangar
- o James Wedell Hangar
- o Walter Wedell Hangar

Louis Armstrong New Orleans International Airport

The day after the storm, MCA was called to the airport to aid the airport and National Guard in getting the power restored to the facility. After the power was restored, MCA was awarded a contract to do inspections, make recommendations for repairs and design temporary and permanent repairs to the entire airport and ancillary buildings. These projects included:

- o Roof
- o High Mast Lighting
- o Terminal
- o Ancillary Buildings

Orleans Parish Sheriff

- o Temporary Jail/Courtroom
- o House of Detention repairs

Southern University Gymnasium

Dillard University – multiple facilities

Nunez Community College, Chalmette

New Orleans Coroner's Office Complex

Delgado Community College

New Orleans Fire Engine 36

Old Arabi Courthouse & Jail, Arabi

Northrop Grumman Shipyard, Pascagoula, MS

Various Playground for City of New Orleans



REPRESENTATIVE PROJECTS

Charity Hospital Building Redevelopment Project, New Orleans, LA

1532 Tulane Holdco, LLC (New Orleans LA); Joe St. Martin; jsm@1532tulane.com

Gulf South provided all construction materials and environmental testing for the project, which involved the complete renovation of the Charity Hospital Building (more than 1 million sf) in New Orleans, Louisiana. Inspection and testing consisted of soil borings, laboratory testing, asbestos abatement, concrete testing, mortar testing, steel coupon testing, concrete coring, and building envelope testing. The project's total cost was \$500 million. (\$200,000 (est. fee); ongoing)

Highway 90 Tie-In Levee, Upper Barataria Risk Reduction Program Segment 4, St. Charles Parish, LA

Lafourche Basin Levee District (Vacherie LA); Donald Ray Henry, 225-265-7545; drhenry@lbld.us.com

Geotechnical investigation for construction of a new earthen levee within the 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, 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. (\$174,720 (fee); 2021)

Bayou Des Allemands Gate, Upper Barataria Risk Reduction Program Segment 3, St. Charles Parish, LA

Lafourche Basin Levee District (Vacherie LA); Donald Ray Henry, 225-265-7545; drhenry@lbld.us.com

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)

St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA

Jefferson Parish Public Works Department; Reda M. Youssef, P.E., 504-736-6783; JPPW@jeffparish.net

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

FEMA Submerged Roads Program, Marlyville-Fountainbleau Neighborhood, City of New Orleans, LA

City of New Orleans Department of Public Works; Mark Penny, 504-606-0997; mdpenny@nola.gov

Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). Scope of work included drilling 73 pavement cores and soil borings to a depth of 5 feet (66 in asphalt and 7 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$58,493 (fee); 2013)

Salt Bayou Road Bridge Engineering Analysis Review (EAR), City of Slidell, St. Tammany Parish, LA
Baker Pile Driving & Site Work, LLC (Covington LA); Scott Gros, P.E., 985-792-5001; scottgros@gmail.com
Gulf South performed an EAR of alternative pile type/size recommendations for replacement bridge structure off LA Highway 433 at Salt Bayou Road in Slidell, LA. Gulf South's scope includes load and resistance factor design (LRFD) for steel H-piles per DOTD standards (allowable shaft capacities, estimates of settlement, and general construction recommendations). (\$27,000 (fee); 2018)

FEMA Housing Inspection, East Baton Rouge Parish, LA

Royal Engineers & Consultants, LLC (New Orleans LA); Dwayne Bernal, 985-727-9377

Project management for inspections for FEMA program (Shelter in Place Program Support) in East Baton Rouge Parish, LA. Gulf South's scope includes managing inspection personnel per assigned task orders. (\$320,000 (fee); 2016)

FEMA Submerged Roads Program, Florida Avenue Neighborhood, City of New Orleans, LA

City of New Orleans Department of Public Works; Mark Penny, 504-606-0997; mdpenny@nola.gov

Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). This investigation was for the Florida Avenue Neighborhood in New Orleans, LA. Scope of work included drilling 19 pavement cores and soil borings to a depth of 5 feet (13 in asphalt and 6 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$20,945 (fee); 2013)

Community Safe Room (Corbin Avenue), Town of Walker, Livingston Parish, LA

Livingston Parish Office of Homeland Security and Emergency Preparedness; Heather Crain, 225-686-4415

Geotechnical investigation for a new building (17,000 sf) at the subject site. Scope includes drilling five undisturbed soil borings to depths of 40, 20, & six feet and providing engineering analyses including allowable soil bearing values, allowable pile/shaft load capacities, estimate of settlement, flexible and/or rigid pavement design recommendations, and general construction recommendations. (\$8,925 (fee); 2018)

Wastewater Treatment Plant – New Administration Building & Safe Room, Marrero, Jefferson Parish, LA

Digital Engineering (Kenner LA); Timothy Smith, 504-468-6129; tsmith@deii.net

Geotechnical investigation for a new administration building and safe room at the Marrero WWTP off Lapalco Blvd. in Marrero, LA. Gulf South's scope includes drilling two soil borings each to a depth of 60 feet, lab testing, and geotechnical engineering analysis including allowable pile load capacities, estimate of settlement, and general construction recommendations. (\$6,500 (fee); 2015)

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

G&S Engineering, LLC (Mandeville LA); Scott Gros, 504-744-0630; scottgros@gmail.com

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)

S Lafourche Levee District: Cut Off/Point Aux Chenes Levee Design - Reach K, Lafourche Parish, LA

All South Consulting Engineers, LLC (Metairie LA); Stephen Bourg, P.E., 504-322-2783; sbourg@ascells.com
Geotechnical investigation for proposed levee improvements to Reach K along Grand Bayou between Cut Off and Point Aux Chenes in Lafourche Parish, LA. Gulf South's scope includes two drilling phases consisting of three soil borings to a depth of 60 feet each for Phase I (land borings), and drilling six soil borings to depths of 60 feet (3 borings for levee) and 20 feet (3 borings for borrow/fill) for Phase II. Phase II borings drilled in water or marsh. In addition, laboratory testing (strength, classification, consolidation), and geotechnical engineering analysis consisting of new levee design recommendations, slope stability analyses, estimates of settlement, estimate of strength gain, and general construction recommendations were performed. All project elements reviewed by Louisiana CPRA. (\$69,000 (fee); 2015)

Bayou Gauche/Sunset Levee - New Roller Gate, Upper Barataria Risk Reduction Program Segment 2, St. Charles Parish, LA

Lafourche Basin Levee District (Vacherie LA); Donald Ray Henry, 225-265-7545; drhenry@lbld.us.com
Geotechnical investigation for construction of a new roller gate and T-wall structures within the UBRR flood protection/risk reduction system in St. Charles Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (2 at 200 ft.), CPT probes (2 at 200 ft.), lab testing (including consolidation tests), and engineering analyses including site/soil characterization, global/local SSA for floodwalls, levee tie-ins, and floodgates, design levee lift stability, 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. The borings and CPT were performed over water using barge-mounted equipment. (\$110,880 (fee); 2020)

Levee Raising, Twin Oaks/Sugarland Levee Area, North Lafourche Levee District, Lockport, LA

Leonard Chauvin, P.E., PLS, Inc. (Thibodaux LA); Dustin Rabalais, 985-449-1376
Geotechnical investigation for raising of existing levee from Butch Hill to Company Canal in Lafourche. The investigation includes drilling 8 borings (5 to 50 ft. and 3 to 80 ft. below the ground surface), laboratory testing; and engineering analyses consisting of slope stability and settlement. (\$26,500 (fee); 2012)

Louis Armstrong New Orleans International Airport: New North Terminal, Kenner, LA

Terracon Consultants, Inc. (New Orleans LA); Daren L. Thomas, P.E., 504-818-3638
Gulf South performed field and laboratory testing during construction of the Terminal Building Project at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. The project was valued at \$1.2 billion. (\$2M (fee); 2019)

Hagan Lafitte Drainage Updates, New Orleans, LA

Stantec (New Orleans LA); Ryan LeBlanc, 504-322-3050; randy.leblanc@stantec.com
Gulf South performed construction materials testing and inspection during construction of the project. Testing consisted of density tests, concrete, asphalt, and earthwork. Total project cost was \$13 million. (\$85,562 (fee); 2021)

Representative Project Work

Almonaster Avenue Bridge Rehabilitation Project (DOTD H.014530), New Orleans, LA

Hardesty & Hanover (Metairie LA); Babak Naghavi, 504-962-9212; bnaghavi@hardestyhanover.com

The existing Almonaster Avenue Bridge over the Inner Harbor – Navigation Canal (IH-NC) is a movable Strauss-heel trunnion bridge built circa 1920 and is owned and operated by the Board of Commissioners of the Port of New Orleans. The bridge carries two railroad tracks owned by CSX Transportation, Inc., and one vehicular lane in each direction; however, the vehicular lanes are closed. The Board, in conjunction with the Louisiana Department of Transportation and Development (LADOTD) and the City of New Orleans, wishes to modify the bridge and approach roadways. BFM was contracted to provide surveying services for multiple phases of the overall project, including topographic surveying, GPS static control, and survey line. Drone surveying is a key element. (\$46,550 (fee); ongoing)

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA

AIMS Group, Inc. (Metairie LA); Lowell Pitre, P.E., 504-887-7045; ljp@aimsgroupinc.com

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)

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA

Hardesty & Hanover (Metairie LA); Babak Naghavi, 504-962-9212; bnaghavi@hardestyhanover.com

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)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA

Design Engineering (Metairie LA); John Karlin, 504-836-2155

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)

Upper Barataria Basin Risk Reduction (UBRR) Project, Segment 3, Lafourche Parish, LA

Greenup Industries, LLC (Kenner LA); Rodney Greenup, Jr., 225-283-4843; rodney@greenupind.com

BFM's scope of services included all topographic & hydrographic surveying as directed; magnetometer surveying was utilized to determine the presence of pipelines within the subject survey area. BFM established as client-supplied baseline and Temporary Benchmarks (TBM). Provided cross sections along Bayou Des Allemands and located elements & existing improvements within the designated limits of survey, as well as above- & below-ground utilities. As-built data was also taken into account. (\$118,873 (fee); 2019)

Levee Breaches, Inner Harbor Navigational Canal Reaches, Levee & Floodwall Reconstruction, New Orleans, LA
URS Corporation (Metairie LA); John Grebar, 504-837-6326

BFM provided topographic surveying for various Levee Breaches at the Inner Harbor Navigational Canal Reaches for Levee & Floodwall Reconstruction. A U.S. Army Corps of Engineers project. (\$115,300 (fee); 2006)

Coventry Drainage Pump Stations, Jefferson Parish, LA

ECM Consultants, Inc. (Metairie LA); Sunina Shrestha, 504-885-4080; SShrestha@ecmconsultants.com

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)

River Road Estates Construction Layout, Hahnville, St. Charles Parish, LA

Bill Hubbard, 318-308-9904

BFM provided surveying services for the construction layout of River Road Estates. The project featured drone-based surveying services. (\$17,445 (fee); 2018)

London Avenue Canal Floodwall & Levee Breaches, New Orleans, LA

URS Corporation (Metairie LA); John Grebar, 504-837-6326

BFM established cross sections at various locations of the London Avenue Canal for floodwall breach repairs. A U.S. Army Corps of Engineers project. BFM also performed hydrographic surveys at various points. (\$62,200 (fee); 2006)

High Water Mark/Inundation Data Surveys, Various Parishes throughout Southern Louisiana

URS Corporation (Metairie LA); Carrie Ovellette, 301-258-5842

In the wake of Hurricanes Katrina and Rita, BFM provided surveying for high water marks/inundation data as noted by URS technicians in various Parishes throughout Southern Louisiana, including the Parishes of Livingston, Coupee, Rapides, Calcasieu, Allen, Beauregard, Vernon, Avoyelles, and St. Landry. (\$27,300 (fee); 2006)

Parish-Wide Safe House Program, Jefferson Parish, LA

Multiple Area Engineering Clients

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

Multiple Post-Katrina FEMA Trailer Site Surveys throughout the Metro Area

Multiple Area Engineering Clients

BFM provided topographic surveying for multiple FEMA trailer sites (Coca-Cola Plant, Perry Street Wharf, UNO-SUNO, etc.) as requested. (2005/2006)

CPRA BA-75-1, Lafitte Tidal Protection, Phase II, Lafitte Area Independent Levee District, Jefferson Parish, LA
Lafitte Area Independent Levee District; Nicole Cooper, 504-233-1109; ncooper@townofjeanlafitte.com

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/I-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)

CGB Marine Facility, LaPlace, St. John the Baptist Parish, LA

Gulf South Engineering and Testing, Inc. (Kenner LA); Chad M. Poché, P.E., 504-305-4401; cpoche@gulfsoutheng.com

Scope of services executed by BFM involved a topographic with hydrographic survey. This involved a Single Profile commencing at protected side toe of Mississippi River Levee (and extending perpendicular to the river). The hydrographic survey extended approx. 400 ft. from the water's edge (approx. 1,475 LF). (\$5,000 (fee); 2019)

Expansion of the Port of New Orleans Cold Storage Facility, Port of New Orleans, LA

N-Y Associates, Inc. (Metairie LA); James E. Simmons, 504-885-0500; jsimmons@n-yassociates.com

BFM provided surveying services for the Cold Storage Facility Expansion Project, located at 3411 Jordan Road, for the Port of New Orleans, Louisiana. The scope of services included a topographic survey; this included establishing three temporary benchmarks (TBMs) and location of improvements & utilities. Spot elevations were taken at 25 foot intervals and at grade breaks within the limits of survey. (\$29,710 (fee); 2020)

Hospital Expansion Project, Chalmette, St. Bernard Parish, LA

Rozas Ward Architects (New Orleans LA); Darren Rozas, AIA, 504-524-4375

BFM provided surveying services for the project, located at 8000 West Judge Perez Drive in Chalmette. The scope included a topographic and utility survey, four temporary benchmarks, and location of improvements, utilities & trees. BFM further established finished floor elevations, and took spot elevations at 25 ft intervals. (\$35,280 (fee); 2020)

Mid City Apartments Phase II, New Orleans, LA

Edwards Communities Construction, LLC (Columbus OH); Paul Stiak, 602-448-6737; pstiak@edwardsccc.com

BFM provided comprehensive surveying services associated with Phase II of the Mid City Apartments project in New Orleans. This phase involved the construction layout survey of the Apartment Building and Parking Garage, which consisted of shooting existing elevations, provision of corners, and staking piles. After project completion, an As-Built Survey was executed for both buildings. (\$54,000 (fee); 2019)

Sunset Drainage District Levee, St. Charles Parish, LA

Greenup Industries, LLC (Kenner LA); Rodney Greenup, Jr., 225-283-4843; rodney@greenupind.com

BFM's scope of services included the execution of a Route Topographic Survey of the project area, located in Paradis and Bayou Gauche in St. Charles Parish. 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. (\$76,460 (fee); 2020)

REFERENCES:

Ken Dugas

Plaquemine Parish Engineering Department

333 F. Edward Hebert Blvd., Building 500

Belle Chasse, LA 70037

504.934.6116

Ken_Dugas@plaqueminesparish.com

Services Utilized: Design & Construction Management for four FEMA-funded stormwater pump stations, several drainage projects, several recreation facilities, and two CDBG-funded recreation projects

Josh Hartley

Acting Director of Public Works

City of New Orleans, Louisiana

1300 Perdido St, Room 6W03

New Orleans, LA 70112

Phone: (504) 658-8000

Services Utilized: Design of multiple urban street repair and replacement projects, including full section design (roadway with foundation, drainage, sewage, and water), and ADA feature, sidewalk and driveway replacements, as well as connections to local existing features.

Matthew Zeve

Deputy Executive Director

Harris County Flood Control District

9900 Northwest Freeway

Houston, Texas 77092

P: 346-286-4000

E: Matthew.Zeve@hcfcd.hctx.net

Services Utilized: Grant Management (Including CDBG, HMGP, FEMA-PA, NRCS-EWP, EDA, & USACE-RIP); Project Management (Including Design & Construction); Construction Inspection

Mike Noto, Chief Administrative Officer

City of Slidell

2055 Second Street

Slidell LA 70458

P: 985-646-4333

E: gcromer@cityofslidell.org

Services Utilized: Grant Management (Including HMGP & FEMA-PA); Project Management (Including Design & Construction); Construction Inspection

Louis Capo

Executive Director

Orleans Levee District

6001 Stars & Stripes Blvd., Suite 233

New Orleans, LA 70126

P: 504-355-5990

E: director@nolalakefront.com

Services Utilized: On-Call design for drainage, sewage, parking, and airport support facilities, Grant Management (Including FEMA-PA); Project Management (Including Design & Construction)

Michael Boudreaux

Business Manager

Lafon Nursing Facility of the Holy Family

6900 Chef Menteur Hwy

New Orleans, LA 70126

P: 504-241-6285

E: mboudreaux@lafonnursing.org

Services Utilized: Grant Closeout for FEMA-PA grants



UNDERSTANDING OF PROJECT/FAMILIARITY



UNDERSTANDING OF PROJECT/FAMILIARITY

SCG employs a team of highly skilled, motivated staff ready to address the needs of our clients and facilitate the efficient project lifecycle, using a proactive client service model and established procedures. SCG's experience managing a wide variety of projects and programs utilizing engineering trained project managers, experienced construction managers, and exceptional support staff has served our clients well.

Depending on the needs of St. John the Baptist Parish Sheriff's Office and the projects scopes assigned, SCG has provided the ability to provide a complete spectrum of consulting engineering services from project planning and conceptualization, assistance with seeking funding, design, cost estimating, bid phase services, through construction administration and ultimately warranty inspections.

The SCG team will develop a project understanding from meetings with St. John the Baptist Parish Sheriff's Office Administration, Public Works, and the other presented stakeholders. We will proceed based on both the needs and goals of the Sheriff's Office to develop a project scope (or formal Preliminary Design Report) that will most effectively meet all of the needs of Sheriff's Office. After this scope or PDR and budget have been approved, SCG will begin the production of the necessary design documents in accordance with the necessary local, state, and federal standards.

Our personnel's decades of technical experience with providing local municipal general civil engineering and planning services will allow us to develop effective and efficient plans and specifications. Typically we submit two intermediate stage design packages (plans, specifications, and cost estimate) for the Sheriff's Office to review and make any necessary course corrections in the design process. An advanced final set is typically submitted prior to finalizing the bid set to allow any final pickups to be made. It is always our goal to submit quality construction documents to meet the needs of the Parish with confidence in a timely fashion.

Depending on the scope of the projects assigned, SCG will work with the necessary regulatory agencies to obtain permits for the construction prior to advertisement. Normal construction permits, and other requirements to the Sheriff's Office will remain the responsibility of the low bidder. With our technical expertise, local design and construction experience, and experience with the state and federal regulatory agencies, the SCG team can move each project from conception through to completion.



AGENCY PROJECT EXPERIENCE



AGENCY PROJECT EXPERIENCE

SCG has the capability of providing a full range of services for the design of projects similar to this RFQ. Working in both the public and private sectors, SCG has 17 years of experience as a company and hundreds of years of combined experience in our design professionals. Most of this experience has been in Louisiana (especially the southern parishes). During all the years of local design, SCG professionals have worked with local user agencies. Often times we have worked with individuals over the course of decades in both public, private, and regulatory positions. These long standing relationships allow us the access necessary to review alternatives with agencies and gain an understanding of potential codes, policies, procedures or standards that may impact a project. With this early knowledge, course corrections may be made in the design to maintain compliance and to avoid costly changes at more advanced stages of the design or after bidding.

CURRENT WORKLOAD

SCG is aware of the importance of customer service and client satisfaction. To that end, SCG will continue to strive to provide proper employee availability as well as supervisory and administrative support immediately (within 24 hours) following the Notice to Proceed. SCG understands the importance of each individual job and takes pride in ensuring sufficient resources to make each assignment a success.

Currently SCG has the following design projects under contract in the New Orleans office (with will service this contract if selected). We are providing this information to comply with the requirements of the RFP, but we request that this section be marked as "Proprietary" and redacted if this proposal is distributed in response to a Public Records Request.

Client	Type of Services	Contract Start Date	Approximate Contract Amount	Anticipated End Date
Jefferson Parish: Ames Blvd Rehabilitation	Roadway Rehabilitation	08/01/2019	\$327,000 (\$220,000 remain)	09/01/2021
Jefferson Parish: Camp Plaque	Sewer Lift Station Upgrade	06/01/2019	\$211,000 (\$30,000 remain)	07/20/2021
City of New Orleans: Camp	Roadway Rehabilitation	10/13/2017	\$922,000 (\$622,000 remain)	09/12/2021
City of New Orleans: Little Woods Group C/D	Roadway Rehabilitation	02/20/2020	\$450,000 (\$60,000 remain)	10/10/2021
City of New Orleans: Leonidas Group B/C	Roadway Rehabilitation	03/31/2020	\$560,000 (\$235,000 remain)	11/11/2021
St. Bernard: East Genie Street	Bridge/Culvert Replacement	11/01/2015	\$90,000 (\$25,000 remain)	06/15/2021

SCG has the current Construction Administration Projects under contract New Orleans office (with will service this contract if selected). We are providing this information to comply with the requirements of the RFP, but we request that this section be marked as "Proprietary" and redacted if this proposal is distributed in response to a Public Records Request.

Client	Type of Services	Contract Start Date	Approximate Contract Amount	Anticipated End Date
New Orleans Morial Convention Center	Design, Construcion Admin, Resident Inspection for Roadway, Linear Park, Utilities	09/12/2014	\$2.5 Million (\$200,000 remain)	10/31/2021
Jefferson Parish: Mississippi at Fulton Sewer Pump Station	Sewer Lift Station Improvements	07/08/2014	\$135,000 (\$22,000 remain)	06/30/2021
Jefferson Parish: Bayou Segnette Bar Screen	Bridge Design	04/01/2016	\$118,000 (\$22,000 remain)	04/30/2021

CURRENT WORKLOAD

Currently SCG has the following Grant Management projects under contract. We are providing this information to comply with the requirements of the RFP, but we request that this section be marked as "Proprietary" and redacted if this proposal is distributed in response to a Public Records Request.

Client	Type of Services	Contract Start Date	Approximate Contract Amount	Anticipated End Date
Harris County Flood Control District	Program Management, Grants, Project Management, Inspection	2016	\$27 M	TBD
City of Slidell	Program Management, Grants, Project Management, Inspection	2010	\$9 M	2021
Non-Flood Protection Asset Management Authority	Program Management, Grants, Project Management	2010	\$5 M	2021
Lafon Nursing Home	Grant Management	2015	\$300,000	2020
Timberlane Utility District	Grant Management	2016	\$25,000	2020
Acadia Parish	Grant Management	2019	\$0 (On-call)	TBD
St. Tammany Parish Sheriff	Grant Management	2017	\$0 (On-call)	2021
City of Covington	Debris Monitoring	2019	\$0 (On-call)	TBD

CURRENT WORKLOAD

AVAILABLE STAFF FOR DURATION/TIME FRAME TO COMPLETE PROJECT

Obviously to maintain our staff, we have to have work in progress at all times, however, our current project design and construction management load is not excessive. Many design projects are in advanced stages where we are receiving and addressing review comments. We have adequate personnel in both the New Orleans, and the Houston office to take on several more significant projects without suffering any reduction in project quality or timeliness.

SIZE OF FIRM AND AVAILABLE KEY PERSONNEL RELATIVE TO SIZE OF THE PROJECT

In addition to the senior team members listed within the RFQ and our subconsultants, SCG employs a team of over 30 including professional engineers (engineering interns, registered land surveyors, skilled construction managers, grant specialists, and support staff in 3 offices (Metairie, LA; Slidell, LA; and Houston, TX).

