

# CITY OF WEST MONROE

Request for Qualification Statements

for Engineering Services for the

LCDBG Louisiana Watershed Initiative's Grant Program – Round 2

New Black Bayou Stormwater Pumping Station Project



## Respondent

S. E. HUEY CO.  
1111 North 19<sup>th</sup> Street  
Monroe, Louisiana 71201  
(318) 325-1791  
EIN: 72-0730088

Robert L. George, IV, P.E., President  
(318) 372-7009  
rgeorge@sehuey.com



July 2, 2024

City of West Monroe  
Attention: Jonathan Kaufman, Project Manager  
2305 North 7<sup>th</sup> Street  
West Monroe, Louisiana 71291

RE: Request for Qualification Statements for  
Engineering Services for the  
LCDBG-LWI Projects Grant Program – Round 2  
New Black Bayou Stormwater Pumping Station Project

Dear Mr. Kaufman:

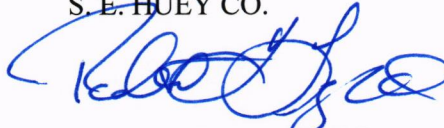
Please find our Statement of Qualifications for the referenced project enclosed.

As President of S. E. Huey Co., A Professional Corporation, I am qualified and duly authorized to bind the corporation to legal obligations. Furthermore, I attest to the following:

- a. I understand that the objective of the project is to relieve flooding along Black Bayou Canal in the City of West Monroe. I have read and fully understand the Scope of Services stated in Part One of the RFQ. The work involved in the subject contract will include performing both preliminary and final design; coordinating with the city's administrative consultant in preparation of bid documents; overseeing the bidding and contract award process in accordance with State and Federal requirements; providing required contract administration, construction engineering and inspection services and reports; providing the City with "as-built" plans; and satisfying all close-out requirements for the project. It is understood that certain related services will be provided by consultants procured by either the State or the City, with whom we will collaborate/communicate as required. Services to be provided by others include hydrologic and hydraulic study, grant administration, and specialized environmental consulting.
- b. S. E. Huey Co. maintains in good standing firm licenses to practice Civil Engineering and Land Surveying in the State of Louisiana. Furthermore, all work will be performed under the direction of a professional engineer licensed to practice in the State of Louisiana.
- c. Neither S. E. Huey Co., nor any of our professional engineers and surveyors have a record of substandard work within the last five years.
- d. Neither S. E. Huey Co., nor any of our professional engineers and surveyors have engaged in any unethical practices within the last five years.
- e. If awarded this contract, S. E. Huey Co. will assume full responsibility for the engineering contract, including all payments and charges resulting from its fulfillment.
- f. For fulfillment of the requirements of this contract, S. E. Huey Co. will partner with Halff Associates, Inc. Halff will provide Mechanical Electrical and Plumbing (MEP), Instrumentation, and Information and Communications Technology (ICT) design services, as well as supplement the civil design team as needed.

By my signature below, I hereby certify that the above statements are true and correct to the best of my knowledge.

Yours truly,  
S. E. HUEY CO.



Robert L. George, IV, P.E.  
President

Enclosure



## **Statement of Qualifications**

### **1. Introduction - See Transmittal Letter**

### **2. Background and Experience**

- a. S. E. Huey Co., A Professional Corporation, founded in 1928, is entering its 96<sup>th</sup> year of providing civil engineering and land surveying services. The company was founded by Stanton E. Huey in Monroe, Louisiana, to provide engineering and surveying services to the natural gas industry. Emphasis on pipeline and electrical transmission projects continued through World War II and included work across the country. During the 1950's, the company added highway and bridge work to its competencies. Typical local projects included portions of I-20, from Monroe to Ruston, and the Pecanland Mall fly ramp. The 1960's saw the addition of water and sewer system distribution and treatment design to our services, with major work including the City of Monroe water treatment plant and sewer lift station projects in West Monroe. Commercial sitework and subdivision development, two additional major emphasis areas of work were added in the 1970's. This work has included many developments throughout the southern and eastern U.S., including Pecanland Mall in Monroe, and numerous residential and commercial subdivisions in Ouachita Parish. The Company incorporated in 1973. From 1982 until 2022, we offered architectural in addition to engineering and surveying services. From 1984 through 2021, S. E. Huey Co. served as the City Engineer for the City of West Monroe.

The corporate structure of S. E. Huey Co. currently consists of five (5) shareholders, who are also the members of the Board of Directors. The three (3) majority shareholders own 98% of the Company, serve as its managing partners, and are active participants in the engineering work.

Halff Associates, Inc. will be a subconsultant to S. E. Huey Co. on this project. Halff is an integrated provider of infrastructure, mobility, placemaking and water solutions serving public and private sector clients in the government, corporate, development, education, energy and transportation markets. Established in 1950, Halff now employs 1,500 employees in 28 offices across five (5) states.

- b. S. E. Huey Co. has designed and overseen construction of many projects of a similar nature to this project. We have been involved in procurement of funding, project design, and contract administration for eight (8) LCDBG projects within the past 15 years. Since nearly all these projects were performed on behalf of the City of West Monroe, we do not have external references to present. The following are representative projects that involve similar work and/or were funded through LCDBG. All were provided for the City of West Monroe, except where otherwise noted.

- River Oaks Levee and Pump Station – Renovation and New Construction Projects (City of Monroe)
- Rochelle Street Pump Station – Structural Design (City of Monroe)
- All-Hazards Mitigation Plan development (City of West Monroe; Bienville Parish)
- FEMA NFIP Flood Insurance Studies and Maps (City of West Monroe, City of Monroe, Ouachita Parish, and other communities in Louisiana, Texas, and New Mexico)
- Black Bayou Canal Improvements (FEMA-HMGP)





- Wellerman Road Drainage Improvements (LCDBG)
- Exchange Road - Water, Sewer, and Street Improvements (LCDBG)
- Bancroft Bag, Inc. - Street and Railroad Crossing Rehabilitation (LCDBG)
- West Monroe Sanitary Sewer Improvements (3 Phases) (LCDBG)
- Black Bayou Pump Station – Reserve Power Generator and Switch (FEMA-HMGP)
- Clayton & 5<sup>th</sup> Street Drainage Improvements
- Highland Park Detention Basin – Community multi-use detention basin and nature/recreational facilities.
- Downing Pines Industrial Park Drainage Improvements (EDA)
- Ouachita Strong Resiliency Strategy – Communitywide recovery committee and plan development, Ouachita Parish, LA

Halff Associates, Inc.

- McAllen Public Utility / North Wastewater Treatment Plant (WWTP) Electrical System Study; McAllen, TX
- Rapides Area Planning Commission / Transportation Resiliency Project Phase 2; Alexandria, LA
- Fenstermaker / Louisiana Watershed Initiative Modeling Contract; Shreveport, LA
- Louisiana Watershed Initiative, Round 2, H&H Design Support, Various Parishes, LA
- LADOTD IDIQ National Flood Insurance Program (NFIP), Statewide, LA
- Lake Woodward Stormwater Pump Station, Mount Dora, FL
- City of McAllen / Retiree Haven Stormwater Improvements; McAllen, TX
- Catherine Branch 15- to 21-Inch Trunk Line, Wastewater Treatment Plant and Lift Station; Northlake, TX
- Texas A&M Kingsville Design Build Services / Deferred Maintenance, Kingsville, TX
- McAllen Independent School District Central Utility Plant, McAllen, TX
- Gibson Place Utility Wastewater Treatment Plant, The Villages, FL
- City of Nacogdoches 2022 SCADA Master Plan, Nacogdoches, TX

- c. The project team has adequate capacity to meet the demands of this contract in the required time.

S. E. Huey Co. currently employs a staff of 21, including six (6) professional civil engineers, two (2) professional land surveyors, engineer interns, drafters, inspectors, survey crews, and administrative personnel. Staffing for this project will include two (2) civil engineers, two (2) engineer technicians, one (1) land surveyor, one (1) inspector, and three (3) office/field support personnel. Recognizing the size and scope of the project, we have partnered with Halff Associates, Inc. to ensure adequate design staffing, and to provide services not offered by Huey.

Halff Associates, Inc. currently employs over 1,500 employees in 28 offices. Coordination with Huey on this project will be conducted from their Shreveport, LA office. Initial staffing reserve for this project includes five (5) Mechanical, Electrical, Plumbing (MEP) and





Information and Communications Technology (ICT) professionals and two (2) civil engineers. Halff can provide additional staffing in all disciplines, if required.

- d. S. E. Huey Co. has over 40 years of experience performing flood studies and designing drainage improvement projects, small and large. We prepared the FEMA Flood Studies and Flood Insurance Rate Maps for Ouachita Parish that were published in 1993 and were the basis for the current FIRMS. Furthermore, our involvement with projects in West Monroe such as the Black Bayou Canal Improvements, Black Bayou Canal Repairs, Highland Park Detention Basin and numerous local drainage improvements, provide us with unique knowledge of the benefitting drainage system and watersheds. Extensive experience in designing pumping stations for sewer and water projects also provides benefits to this project.
- e. S. E. Huey Co. was established in Monroe in 1928 and has maintained its primary office there for 96 years. The firm currently has no other offices, and no plans to relocate or expand elsewhere. We attempt to hire employees who intend to remain in North Louisiana for the duration of their careers.

Halff Associates, Inc. has two (2) offices in Louisiana. Primary support for this project will come from their Shreveport office, which opened in 2014 and employs a staff of twenty (20) full-time Louisiana residents.

### 3. Specialized Knowledge

- a. S. E. Huey Co. served as City Engineer for the City of West Monroe for 37 years (1984-2021). During this tenure, we acquired extensive knowledge of the watersheds and drainage ways that convey stormwater from all areas of the city to the Ouachita River. We surveyed and studied the drainage systems for the FEMA Flood Studies and Map Development in the 1990's. Since then, we have revised and updated our hydrologic and hydraulic models to incorporate changes to the systems.

Perhaps most relevant to this project is our years of experience in assisting the City and the Tensas Basin Levee District in strategic planning, emergency response, and acquisition of funding for the Black Bayou Pump Station. Our engineers have been involved in every significant event and improvement to this station since 1984, including the 1991 levee failure and the 1993 addition of new pumps and flood gates.

- b. S. E. Huey Co. has had significant involvement with the Louisiana Office of Community Development, the LCDBG program, and the Louisiana Watershed Initiative program over the past 15 years. We have designed and overseen construction of multiple projects funded by LCDBG. These include the Wellerman Drainage Improvement project, multiple road improvement projects, multiple sanitary sewer improvement projects, and the Riverbend Area Sidewalks and Drainage Improvements. Furthermore, Robert George was an active participant in the community disaster recovery efforts following the "Great Flood of 2016". On behalf of the City of West Monroe, he was a member of the community-wide coalition known as "Ouachita Strong". Administrative and funding support for the coalition was provided by the Office of Community Development, who worked closely with the local team throughout the process. During the same time-period, and with input from the north





Louisiana engineers and community recovery partners, the Governor established the Louisiana Watershed Initiative (LWI). Our firm has interacted with LWI and its personnel since its inception. Huey submitted several projects for consideration by LWI on behalf of West Monroe. One of these (a flood buyout program) was the only project in northeast Louisiana selected in Round 1 of LWI project funding. Subsequently, another Round 1 project, the Cypress Drainage and Detention Project, has been selected for funding through the Design Support Program. Huey is currently providing design services for the project.

Halff Associates, Inc. has a close working relationship with the Louisiana Office of Community Development and the Louisiana Watershed Initiative. They are currently a part of the consulting team completing the LWI modeling effort for the Region 4 watershed in southwest Louisiana and east Texas. They developed H&H models in support of four (4) Louisiana communities under the LWI Design Support Program. Additionally, Halff has recently been selected to provide design support services for the LWI Region 3 Steering Committee. Under this contract they will assist with project development in northeast Louisiana.

#### 4. Personnel/Professional Qualifications

- a. The personnel assigned this contract will be as follows:



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Robert L. George, IV, P.E.	Project Lead, Hydraulic and Sitework Design
F. Markley Huey, P.E., P.L.S.	Hydrologic/Hydraulic Design Support
Jacob Cloud	Project Management and Plan Production
Karl Schaff, Engr. Technician	Hydraulic and Sitework Design, Permitting
Don Arrington, P.E.	Structural Design
Dan Edgar, P.L.S.	Survey Lead
Victor Muñoz	Construction Observation



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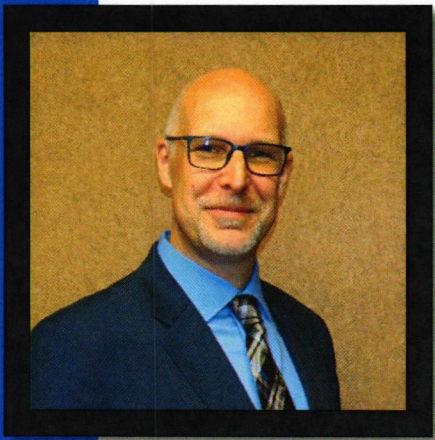


Robert "Brandon" Aillet, P.E., CFM	Subconsultant Liason, Civil Design/H&H Support
Gabriel Benavides, Jr., P.E.	Electrical, Instrumentation, and Controls Lead
Jose Delgado, P.E., RCDD, LEED AP	MEP/ICT QA/AC Manager
Mark Sislen, P.E., CPD	Plumbing and Piping Design
Adrian Garza, Jr., P.E.	SCADA and Instrumentation Design
Rob Ern, P.E.	Civil Design Support
Rudy Juarez, CGCIO	ICT Design

- b. See resumes attached.
- c. A total of fourteen (14) staff members, plus administrative support personnel, will be assigned to various phases of the work. Ten (10) of the personnel are full-time Louisiana residents.
- d. Our Professional Liability Insurance declarations page is attached.







## **ROBERT L. GEORGE, IV, P.E.**

President

### **B.S. in Civil Engineering**

Louisiana Tech University, Ruston, LA

**Professional Registrations:** LA

### **PROFESSIONAL QUALIFICATIONS**

- 29 years' experience in Civil and Water Systems Engineering
- Member LA Engineering Society
- Experience in all aspects of Civil Engineering, in both public and private sectors

### **PROFESSIONAL EXPERIENCE**

#### Representative Projects:

- Project scoping and funding application development (2011-present), City of West Monroe
- Exchange Road Water, Sewer, and Street Improvements (LCDBG) for West Monroe, LA
- Elevated Water Tank Rehabilitation/Painting in West Monroe, LA
- Road Design and Drainage for Cypress Point Subdivision in Monroe, LA
- Belle Meade Subdivision Units 7 & 8 in Monroe, LA
- Bancroft Bag, Inc. Street and Railroad Crossing Rehabilitation (LCDBG) for Monroe, LA
- All-Hazards Mitigation Plan development – City of West Monroe and Bienville Parish Police Jury
- LA DOTD Off-system Bridge Replacement (Engr. Tech) – Madison Parish, LA
- LA DOTD 4 lane U.S. 165 (Engr. Tech) – Grayson, LA
- FEMA Flood Insurance Studies (Engr. Tech)
- Black Bayou Canal Improvements (FEMA) - West Monroe, LA
- Wellerman Road Drainage Improvements (LCDBG) – Local drainage and detention for West Monroe, LA
- Highland Park Detention Basin – Concept and design, community multi-use detention basin and nature/recreational facilities, West Monroe, LA
- Downing Pines Industrial Park Drainage Improvements (EDA) – West Monroe, LA
- Three (3) Phases, Sanitary Sewer Improvements (LCDBG) – West Monroe, LA
- Ouachita Strong Resiliency Strategy – Communitywide recover committee and plan development, Ouachita Parish, LA

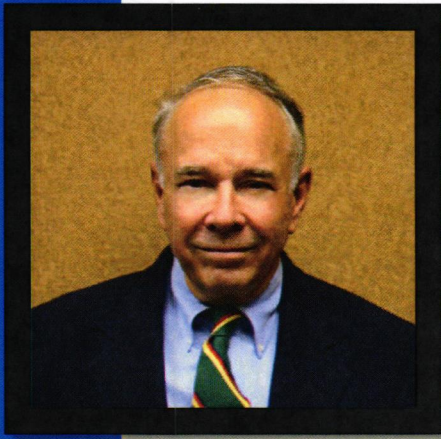
1111 North 19<sup>th</sup> St  
Monroe, LA 71201  
Ph: 318.325.1791  
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## **F. MARKLEY HUEY, P.E., P.L.S.**

Director

### **B.S. in Civil Engineering**

Princeton University, Princeton, New Jersey

### **M.S. in Civil Engineering**

Stanford University, Stanford, California

### **Professional Registrations:**

**Civil Engineering** - LA, AL, FL, NM, TX

**Surveying** - LA, TX

### **PROFESSIONAL QUALIFICATIONS**

- 61 years' experience in Civil and Structural Engineering and Surveying
- Former Officer in the U.S. Navy
- Member Louisiana Engineering Society

### **PROFESSIONAL EXPERIENCE**

#### Representative Projects:

- Survey projects in LA, TX, MS, PA, and NY
- Survey, civil design for residential large tract developments and subdivision projects
- Surveys, civil and structural design. Project Design Engineer for site development and structural design of numerous regional shopping centers
- Project Engineer in charge of flood insurance studies of 40 communities in LA, TX, AR, OK and NM for FEMA
- Project Surveyor in charge of indefinite delivery contract for the Vicksburg District, COE for hydrographic, topographic and cadastral surveys in AR, LA and MS
- Resident Inspector for 2003 Mangham Water System Rehabilitation, 2003 Start Water System Rehabilitation, 2009 Rayville Wet Well Rehabilitation, 2009 Start Water System Rehabilitation and 2009 Mangham Water System Rehabilitation
- Project Engineer for bridge improvements and drainage projects in Lincoln Parish, LA

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## **DON ARRINGTON, P. E.**

VP of Engineering Services

### **B.S. in Civil Engineering**

Louisiana Tech University, Ruston, LA

**Professional Registrations: LA, TX, AR, MS**

### **PROFESSIONAL QUALIFICATIONS**

- 30 years' experience in Structural Engineering and Site Development
- Experience in both federal, municipal and private sectors
- Member of the Louisiana Engineering Society
- Past President of the Monroe Chapter of LES
- Current Treasurer for ACEC/Louisiana

### **PROFESSIONAL EXPERIENCE**

#### **Representative Projects:**

- Structural Engineer / City of Natchitoches / Master Sewer Lift Station / Natchitoches, LA – 70'x17' rectangular lift station, 18' deep
- Structural Engineer / WOSD No. 5 / Steep Bayou Wastewater Lift Station / Ouachita Parish, LA – 22' diameter round lift station, 27' deep
- Structural Engineer / City of Little Rock / Little Maumelle Wastewater Treatment Plant / Little Rock, AR – 6 buildings and hydraulic environmental structures as part of \$45 million new plant
- Structural Engineer / City of Monroe / Texas Avenue and Standifer Avenue Sewer Lift Stations / Monroe, LA – 35' diameter round lift station, 30' deep
- Structural Engineer / City of Monroe / Monroe Water Pollution Control Center Improvements / Monroe, LA – 8 environmental hydraulic structures as part of \$21 million upgrade to WWTP
- Structural Engineer / City of Monroe / Rochelle Street Stormwater Lift Station Renovation
- Structural Engineer / Tensas Basin Levee District / Temp. & Permanent Floodwall Gates for Ouachita River Levee / Ouachita Parish, LA
- Civil Engineer / City of West Monroe / Black Bayou Generator / West Monroe, LA
- Civil Engineer / City of West Monroe / Commercial Park Frontage Road Drainage Improvements / West Monroe, LA
- Civil Engineer / City of West Monroe / Highland Park Wetlands Trails / West Monroe, LA

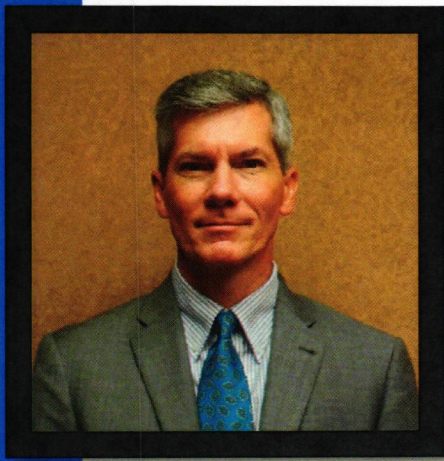
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## KARL J. SCHAFF, E.I.

Project Manager

**B.S. in Civil Engineering**

Louisiana Tech University, *Ruston, Louisiana*

**Professional Registrations:** LA

### PROFESSIONAL QUALIFICATIONS

- 39 years' practice in Civil Engineering design and analysis
- Extensive experience in site development and civil design of public and private facilities, utility relocations, hydrologic and hydraulic analysis for flood studies and design of drainage improvement projects

### PROFESSIONAL EXPERIENCE

Representative Projects:

- Louisiana Delta Community College – Monroe Campus, Monroe, LA
- Advanced Technology Center Expansion, Louisiana Delta Community College – Monroe Campus, Monroe, LA
- D'Arbonne Woods Charter School, Farmerville, LA
- Group Camp/Conference Center, Poverty Point Reservoir State Park, Richland Parish – Delhi, LA
- Renovation & Expansion to Intramural Center, Grambling State University, Grambling, LA
- Dairy Queen, Monroe, LA and El Dorado, AR
- ZAXBY'S, Monroe, LA
- Southern Outdoor Power, Sterlington, LA
- Building & Site Upgrades, Entergy Service Center, Arcadia, LA
- Foundation Stabilization & Site Improvements, Louisiana National Guard West Monroe Readiness Center, West Monroe, LA
- Dillard's Distribution Center, Salisbury, NC
- Splash Pad, Jimmie Davis State Park, Chatham, LA
- Dillard's Expansions, Various Locations (AR, CO, GA, IN, KS, LA, MO, NC, NV, OH, TX, VA)
- FEMA Flood Insurance Studies – Ouachita, Natchitoches, Tangipahoa, and Washington Parishes, LA; Limited Map Amendment, Santa Fe, NM
- Downing Pines Industrial Park Drainage Improvements, West Monroe, LA
- Black Bayou Canal Drainage Improvements (Hazard Mitigation Grant Program) – West Monroe, LA

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## JACOB CLOUD

Engineering Technician

### **B.S. in Civil Engineering**

Louisiana Tech University, Ruston, LA

### **Professional Registrations: LA**

Commercial Building Construction/Business and Law (No. 69822)

### PROFESSIONAL QUALIFICATIONS

- 10 years' experience in Water, Wastewater and Drainage Engineering
- 3 years' experience in Commercial Building Construction

### PROFESSIONAL EXPERIENCE

#### Representative Projects:

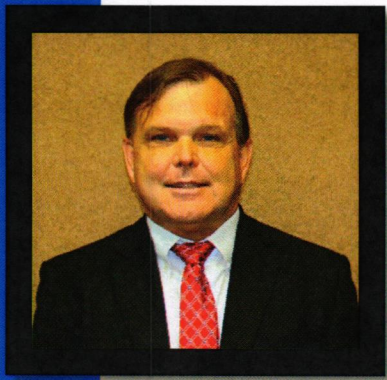
- Highland Park Commercial Development (DRA)
- FY21 RAISE Grant
- Cypress/Slack Sanitary Sewer Improvements (DRA)
- FY22 RAISE Grant
- North 7<sup>th</sup> (HWY 134) Restriping (5-lane) Project
- Arlington Water Main Improvements (CWEF)
- Flanagan Street Water Main Improvements (CWEF)
- Phillips Street Water Main Improvements (CWEF)
- FY23 RAISE Grant
- Black Bayou Canal (DRA and EDA Applications)
- New Drago Sanitary Sewer Force Main (LGAP)

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## **DANIEL L. EDGAR, P.L.S.**

Survey Supervisor

### **B.S. in Education**

University of Louisiana at Monroe, Monroe, LA

### **Professional Registrations:**

Land Surveying – LA, AR, MO

### **PROFESSIONAL QUALIFICATIONS**

- 22 years' experience in land surveying
- Member of Louisiana Society of Professional Land Surveyors
- Well-versed in AutoCAD Civil 3D
- Knowledgeable with Microstation V8 and ARC-GIS
- Extensive experience in survey mapping

### **PROFESSIONAL EXPERIENCE**

#### Representative Projects:

- Barksdale Air Force Base, Earth Electrode System and Signal Ground Subsystem for 8<sup>th</sup> Air Force Headquarters Building - Bossier City, LA
- Red River Army Depot, Repair East Walls of Building 468 - Texarkana, TX
- Entergy Transmission, Survey Transmission Line Right-of-Way from Cadeville Substation to Rilla Substation - LA
- Barksdale Air Force Base, Repair/Replace Hangar Doors, Hangar One - Bossier City, LA
- Five (5) Regional Wastewater Treatment Plants for Greater Ouachita Water Company and North Monroe Sewer District No. 1 - Ouachita Parish, LA

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## ROLE

Senior Project Manager

## EXPERIENCE

25 Years Total

## EDUCATION

BS, Civil Engineering,  
Louisiana Tech University,  
1998

## REGISTRATION

Professional Engineer  
Louisiana # 33402

## CERTIFICATIONS

Certified Floodplain Manager,  
LA, US-19-11047, Expires  
July/31/2025

# Robert "Brandon" Aillet, PE, CFM

Brandon has extensive experience in the design and plan preparation of private and public sector projects. Brandon has been responsible for conceptual layout, site planning, zoning, geometric layout, roadway horizontal and vertical alignment layout, roadway corridor modeling, pavement joint layout, utility design, storm sewer and detention design, erosion control design, and plan preparation for a wide range of projects including general site development, roadway/highway design, residential subdivision planning, and design, commercial warehouse site development, and related engineering work. Brandon performed many site evaluations and preliminary site plans for commercial and residential clients across the Dallas/Fort Worth metroplex and the Shreveport/Bossier region and represented his clients at numerous public hearing meetings.

## REPRESENTATIVE PROJECT EXPERIENCE

**Rapides Area Planning Commission / Transportation Resiliency Project Phase 2; Alexandria, LA.** Project Manager responsible for the planning, design, and survey services for the Transportation Resiliency through Storm Water Mitigation in A/P MPO UZA project. The purpose of this project is to integrate stormwater mitigation/ flood prevention into land use and transportation planning. Halff developed detailed 2D RAS models to accurately depict fluvial and pluvial flood risks inside the MPA. These enhanced models include improved NOAA Atlas 14 precipitation inflows, updated 2018 LiDAR topography, field-surveyed structure data, NLCD 2019 land use data, and SSURGO soils data.

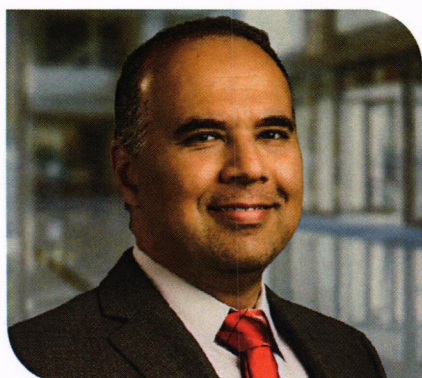
**Fenstermaker / Louisiana Watershed Initiative Modeling Contract; Shreveport, LA.** Team Leader responsible for leading the Shreveport modeling teams for the Region 4 watershed that is located in both Louisiana and Texas, predominately along the Texas-Louisiana border. Major streams in the region include the Sabine River and the Calcasieu River. The project developed a study prioritization, data gap analysis, and scope for detailed hydrology and hydraulics for Phase 2 of this study.

**Louisiana Watershed Initiative, Round 2, H&H Design Support, Various Parishes, LA.** Principle in Charge responsible for overseeing the development of the H&H model in support of the LVI Project for four communities in Louisiana, Bunkie, Hessmer, Kinder, and Colfax. This model will guide efforts to remove and replace failed and undersized culverts and associated driveways or street surfaces in the project area, restore proper slope and vertical alignment of storm drainage pipe and associated open ditches, and extend open ditch drainage systems. Ultimately, the aim is to significantly improve drainage on the east side of the Village of Hessmer, which is routinely subject to flooding.

## LADOTD IDIQ National Flood Insurance Program (NFIP), Statewide, LA.

Deputy Project Manager responsible for staffing, scheduling, subconsultant coordination, client communication, and delivery of seven separate task orders. Task orders in this project included: updating the Louisiana Floodplain Manager's Desk Reference, preparing and presenting seven online technical training presentations for floodplain manager training, substantial damage estimator tool utilizing field surveyed and machine learned finish floor elevations compared to digitized base flood elevations, and community outreach for Base Level Engineering use.





## Jose Delgado, PE, RCDD, LEED AP

Jose has extensive experience in technically challenging and environmentally sustainable MEP (Mechanical, Electrical, and Plumbing) and Information Communication Technology (ICT) projects. His project portfolio covers various sectors, including institutional, educational, industrial, commercial, and government projects. This wide-ranging experience has provided him with a comprehensive understanding of various aspects of MEP and ICT design, from initial design to construction management. Jose's proven ability to navigate complex technical requirements and achieve sustainable solutions makes him an ideal candidate for maintaining the highest standards of quality and reliability in project execution..

### ROLE

MEP/ICT QA/QC Manager

### EXPERIENCE

22 Years

### EDUCATION

BS, Electrical Engineering,  
University of Texas Rio  
Grande Valley, 2002

### REGISTRATION

Professional Engineer,  
Louisiana # 46151

### CERTIFICATIONS

Leadership in Energy and  
Environmental Design,  
Accredited Professional,  
TX, 10450958, Expires  
January/01/2099

Registered Communications  
Distribution Designer,  
TX, 260372, Expires  
December/31/2024

### REPRESENTATIVE PROJECT EXPERIENCE

**Brownsville Public Utilities Board (BPUB) / Lift Station Rehabilitation Packet 2; Brownsville, TX.** QA/QC Manager responsible for the electrical, instrumentation, and quality control review of the design. The wastewater collection system has 179 active lift stations that have been in service for many years and show signs of significant corrosion and electrical equipment needing safer operable equipment. Electrical upgrades incorporated new electrical distribution equipment, an explosion-proof raceway design, a corrosive-resistive equipment rack, a portable generator docking station, and a motor starter panel. Instrumentation and controls design included an operator local control panel at low voltage to increase operator safety.

**McAllen Public Utility / North Wastewater Treatment Plant (WWTP) Electrical System Study; McAllen, TX.** Project Manager responsible for identifying wastewater facility electrical issues and client needs. The study identified power distribution equipment deficiencies, code compliance issues, and standby power generation usage. In addition, the study incorporated recommendations for a safer automated transfer scheme for standby power backup and an engineer's statement of probable construction costs. Findings and recommendations were presented to the client and led to an engineering design contract.

**USACE Fort Worth District / Corpus Christi Army Depot (CCAD), Repair Building 8 North, Naval Air Station; Corpus Christi, TX.** Electrical Engineering Lead responsible for overseeing the project's electrical engineering and Information and Communication Technology (ICT) design. The project scope included the restoration of the final four (4) phases of the Building 8 North facility, which encompassed jigs, fixtures, and sheet metal; heat treat and foundry; tail boom and stabilators; airframes and cleaning areas. The design included renovations required to comply with electrical codes, energy conservation governing codes, and Building Industry Consulting Service International (BICSI) standard best practices. The electrical design included upgrades to the electrical service for additional capacity to complete the repair mission. This involved lighting in the spaces and power for process equipment. The ICT design encompasses structured cabling, video surveillance, access control, and telecommunications spaces. The design also included cybersecurity specifications for Operational Technology systems. The goal of this project was to develop 100% of design documents, including plans, specifications, and design analysis for the Corpus Christi Army Depot - Building 8 North Repairs.





### ROLE

Electrical, Instrumentation,  
and Controls Lead

### EXPERIENCE

17 Years Total

### EDUCATION

BS, Electrical Engineering,  
University of Texas Rio  
Grande Valley, 2011

### REGISTRATION

Professional Engineer,  
Louisiana # Pending

## Gabriel Benavides, Jr., PE

Gabriel has extensive experience in electrical engineering design, construction management, and project management for municipalities, government, and commercial facilities. His expertise includes power system design and construction administration for large water and wastewater facilities. Gabriel has a proven track record of verifying compliance with industry standards and integrating considerations of reliability, redundancy, energy efficiency, and environmental sustainability into his designs.

### REPRESENTATIVE PROJECT EXPERIENCE

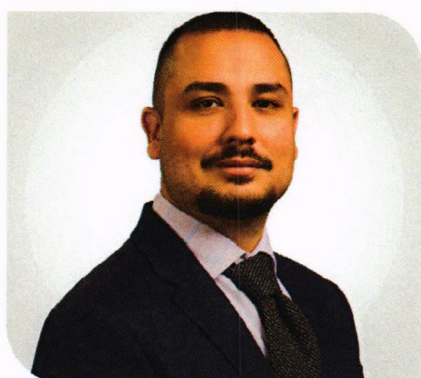
**City of Belton / South Belton Wastewater Interceptor Phase 1; Belton, TX.** Halff was selected to provide design of 2.3 miles of new 8-inch through 24-inch wastewater interceptor, 1.5 miles of 14-inch forcemain, a new 3 mgd lift station, and the decommissioning of an existing lift station. The project was scoped to include the design of two lift stations as master-planned, but Halff determined in the pre-design phase that these two new stations could be consolidated, and an existing station could be decommissioned to reduce the City's O&M requirements and costs.

**Brownsville Public Utilities Board (BPUB) / Lift Station Rehabilitation Packet 2; Brownsville, TX.** Engineer responsible for the electrical, instrumentation, and controls design of nine existing sanitary sewer lift station upgrades. BPUB provides water and wastewater services to the City of Brownsville and the surrounding area. The wastewater collection system has 179 active lift stations which have been in service for many years and are showing signs of significant corrosion and electrical equipment needing safer operable equipment. Electrical upgrades incorporated new electrical distribution equipment, explosion proof raceway design, corrosive resistive equipment rack, portable generator docking station, and a motor starter panel. Instrumentation and controls design included a operator local control panel design at low voltage to increase operate safety.

**Lake Woodward Stormwater Pump Station, Mount Dora, FL.** Engineer responsible for the electrical instrumentation for the improvements to a pump station, including stormwater conveyance through a new 12-inch main constructed in the preferred alignment of the FDOT and Lake County. The new 12-inch main is different from the existing main, which was placed out of service by disconnecting it from the pump station and its discharge inlet and filling it with grout. The electrical design encompassed coordinating with the electrical utilities the electrical service as well as establishing electrical equipment and feeder requirements. The design included a manual transfer switch with a rotary docking station for the connection of a portable generator. Control ladder diagrams were provided for proper pump protection and control logic implementation.

**City of McAllen / Retiree Haven Stormwater Improvements; McAllen, TX.** Engineer responsible for the electrical design of the Retiree Haven Subdivision stormwater pump station. Designed the electrical service and standby generation system to two 50HP pump motors. The subdivision is located on South 10th Street and is in a flood prone area since it is at the lower end of the water shed with no available gravity storm sewer. FEMA grants were secured by the City of McAllen to provide drainage to this subdivision. Project construction manager for the electrical systems.





## Adrian Garza, Jr., PE

Adrian brings experience as an electrical engineering consultant in the water and wastewater industry, consisting of estimating, project engineering, scheduling, planning, and designing water and wastewater treatment facilities with emphasis on the electrical, controls, and communication in the South and Southeast Texas area.

### ROLE

Instrumentation and Controls  
Support

### EXPERIENCE

9 Years

### EDUCATION

BS, Electrical Engineering,  
University of Texas Rio  
Grande Valley, 2012

### REGISTRATION

Professional Engineer,  
Texas # 140303

### CERTIFICATIONS

NCCER Instrument Technician  
#13376272

### REPRESENTATIVE PROJECT EXPERIENCE

#### **Brownsville Public Utilities Board (BPUB) / Lift Station**

**Rehabilitation Packet 2; Brownsville, TX.** Project Manager SCADA and Instrumentation Lead responsible for upgrades to the wastewater collection system, including 9 active lift stations. The upgrades incorporated new electrical distribution equipment, an explosion-proof raceway design, a corrosive resistive equipment rack, a portable generator docking station, and a motor starter panel. The instrumentation and controls design included an operator local control panel design at low voltage to increase operator safety.

**City of Pharr, Wastewater Treat Plant Upgrade; Pharr, TX.** This project consisted of demoing an existing MCC and replacing it with two new MCC located in a new structure for the Digester Area. A new structure and MCC was added to the oxidation ditch. The MCC at the Oxidation ditch is designed to provide power to three new RAS pumps along with three 150hp blowers and mixers to be located within the oxidation ditch. The power was also modified for the Headworks area. The existing power distribution vendor control panel was demoed and replaced with a new panel.

#### **Pinellas County / Restore Act Wastewater Collection System Improvements; Largo, FL.**

Halff is identifying and reducing sources of domestic wastewater and infiltration and inflow (I&I) within specified MHCs. The MHC's failing wastewater collection and conveyance systems are causing periodic sanitary sewer overflows. The County is upgrading the private wastewater collection system infrastructure in 14 MHCs, which includes more than 2,400 homes, connecting to the new County-owned wastewater collection systems. More than 60,000 linear feet of gravity sewer mains, 150 manholes, two wastewater pump stations, and 90,000 linear feet of sewer laterals are incorporated into this system.

#### **Catherine Branch 15- to 21-Inch Trunk Line, Wastewater Treatment Plant and Lift Station; Northlake, TX.**

Team Leader Engineer and Instrumentation Lead responsible for designing and installing a new 480V, three-phase wye radial utility system, and standby power generator for a new wastewater treatment plant facility. For this project, there will be a single primary feed entering the facility and connecting to a 400A Automatic Transfer Switch (ATS) with bypass isolation, and delayed transition. To provide high power system reliability, a standby generator will be implemented for power backup of all facility loads. Downstream from the 400A ATS will be a panelboard and motor control center feeding all electrical equipment, general power, lighting, instruments, and control panels as needed.





## ROLE

HVAC and Plumbing Lead

## EXPERIENCE

28 Years

## EDUCATION

BS, Mechanical Engineering,  
Bradley University, 1996

## REGISTRATION

Professional Engineer  
Louisiana # 42431

## CERTIFICATIONS

Certified Plumbing Designer,  
# 920935

# Mark Sisen, PE, CPD

Mark is a seasoned design professional with an impressive track record specializing in HVAC, plumbing, and piping design for various industrial projects, from new constructions to renovations. Throughout his career, Mark has demonstrated his ability to deliver innovative and efficient design solutions, providing optimal performance and functionality in every project. With a comprehensive understanding of industry standards and regulations, he combines his technical experience with meticulous attention to detail to develop designs that meet client specifications and comply with safety and sustainability requirements. Mark's proficiency in utilizing the latest design software and staying up to date with advancements in the field enables him to streamline processes, enhance collaboration, and deliver projects within established timelines.

## REPRESENTATIVE PROJECT EXPERIENCE

**Texas A&M Kingsville Design Build Services / Deferred Maintenance, Kingsville, TX.** MEP Project Lead responsible for the HVAC components of the new chilled water campus unit loop which services 30-plus buildings. The project involves replacing multiple air handling units, gas-fired boilers, and cooling towers, integrating BACnet controls for optimal energy management. Additionally, site lighting improvements across the campus enhance outdoor visibility and safety. The project demonstrates a holistic approach to infrastructure upgrades, fostering sustainability and functionality.

**McAllen Independent School District Central Utility Plant, McAllen, TX.** MEP Project Lead responsible for the plant replacement project to include the removal of existing chillers, pumps, and piping and the installation of three new water-cooled chillers totaling 1,125 tons, new condenser and chilled water pumps, and a new cooling tower. Work also included the installation of a new chilled water distribution system and new HVAC controls.

**Sandow Water Supply Treatment Project, Lee County, TX.** Engineer of Record for HVAC, controls, and plumbing design for a 20 MGD industrial water treatment facility in Lee County, Texas. The HVAC design included cooling and ventilation for an administration building, solids dewatering building, process building, well head buildings, and electrical/SCADA support buildings. The plumbing design included eye wash stations around the site as well as domestic water service for several buildings.

**Ullrich Water Treatment Plant, Austin, TX.\*** Project Engineer responsible for the design of full HVAC and plumbing renovations to the Ullrich water treatment plant producing 167MGD for the Central Austin area. The project included exhaust and HVAC renovations along with controls system replacement. Additional plumbing fixtures were added to the process building and support buildings as part of the renovation. Mark also provided construction support during closeout of the project.

*\*prior to Halff*





## Rob Ern, PE, DBIA

Rob has been designing public infrastructure for nearly 30 years and has over 29 years of wastewater and stormwater engineering experience. His experience includes civil engineering project management, and he has applied his knowledge to a variety of utility-related projects as well as all aspects and phases of design – from preliminary to final. His project portfolio includes designing and permitting wastewater treatment plants, water treatment plants, sewage pump stations, stormwater pump stations, water booster pump stations, collection, transmission, and distribution systems, as well as master planning of utility facilities and impact fee studies.

### ROLE

Civil Engineer

### LOCATION

Tavares, FL

### EXPERIENCE

29 Years

### EDUCATION

BS, Civil Engineering,  
University of Central Florida

### REGISTRATIONS

Professional Engineer:  
Florida No. 54013

### CERTIFICATIONS

Qualified Stormwater  
Management Inspector:  
No. 29648  
DBIA No. D-413

### REPRESENTATIVE PROJECT EXPERIENCE

#### **Gibson Place Utility Wastewater Treatment Plant, The Villages, FL.**

Principal-in-Charge for this project that includes design, permitting, and construction administration services for a new 2.0 mgd wastewater treatment plant to serve The Villages. The project is being initially constructed as a 2.0 mgd facility with capabilities for expansion to 4.0 mgd to accommodate anticipated future growth in the service area. This is a fast-tracked project due to the rapid pace of development in the service area.

#### **South Sumter Utility Company Lift Station #1, The Villages, FL.**

Project Manager responsible for leading a capital lift station's design, permitting, and construction management services. This station is a triplex lift station and contains 150-HP submersible pumps that pump approximately 3,500 gpm through a series of 16- to 36-inch force mains. The force mains total approximately seven miles in length to the City of Leesburg's Turnpike WWTP. The design included dual wet wells to provide sufficient storage, a standby generator, VFDs for submersible pumps, a flow meter, and all associated improvements necessary to serve the project site. Wet wells are HDPE-lined, 316 SS riser pipes and drops were utilized in the wet wells. The station communicates via SCADA to the SSU office for monitoring.

#### **City of Umatilla Sewer system and Lift Station, Umatilla, FL.**

Lead Engineer responsible for assisting the City in evaluating necessary upgrades to seven lift stations in the project and provided engineering design services. Rob was responsible for leading the relining of 16,150 LF of an 8-inch gravity sewer line with a cure-in-place lining system. This was a REDI grant project, and Halff also provided grant assistance to the City.

#### **Town of Lady Lake Sewer Interconnect, Fruitland Park, FL.**

Task Lead responsible for assisting with designing and constructing a large pump station with a standby generator, 9,200 lf of 8-inch wastewater force main, and connection to the Town of Lady Lake's collection system. In addition, the pump station and surge tank facilities constructed for the interconnect will be integrated into the future construction of a new facility for the City. The team conducted a preliminary engineering evaluation of potential wastewater treatment options to assist the City in determining the best choice for both short-term and long-term wastewater treatment.





**Rudy Juarez,**  
**CGCIO**

#### **ROLE**

Information and Communications Technology Lead

#### **EXPERIENCE**

38 Year

#### **EDUCATION**

BBA, Computer Information Systems, University of Texas Rio Grande Valley, 1984

#### **REGISTRATION**

Certified Government Chief Information Officer, NC,  
Expires January/01/2099

Rudy spent years in the public sector, actively involved in technically challenging and sustainable demanding Information Communication Technology (ICT) projects. He has implemented numerous enterprise-level project firsts, including access control, video surveillance, digital signage, audio/video modernization, and structured cabling standardization for various public entities. During his experience, he has assisted in the innovative design and development of city network equipment, Wi-Fi, telecommunications, and related components. His experience includes law enforcement, educational, and government-type projects. He has been involved in the MEP and ICT design and construction management.

- **McAllen Public Utility / North Wastewater Treatment Plant (WWTP) Electrical System Study; McAllen, TX.**
- **Brownsville Public Utilities Board Annex Building SCADA Operation Center, IT Network Operation Center and Energy Control Facility, Brownsville, TX.**
- **City of Nacogdoches 2022 SCADA Master Plan, Nacogdoches, TX.**
- **Hidalgo County Commissioner's Office, Hidalgo County Courthouse ICT Services for 368,000 SF Building, Hidalgo County, TX**



**Our people are individuals  
with diverse, yet  
complementary, professional  
backgrounds. We know this  
attribute, more than any  
other, allows us to maintain  
a loyal client base. We are  
members of a company  
built on integrity, technical  
knowledge and commitment  
to client service.**





## River Oaks Levee and Pump Station



**Client:** City of Monroe

**Grant Program:** Louisiana  
Statewide Flood Control  
Program (\$1.2M Project)

**Scope:** Hydrologic & Hydraulic  
Modeling, Civil Design,  
Structural Design, Topographic  
Surveys, Project Administration

The River Oaks Levee and Pump Station is a \$1.2M project constructed by the City of Monroe under the Louisiana Statewide Flood Control Program, administered by the Louisiana Department of Transportation and Development. The project provides flood control from the backwater of Chauvin Basin for approximately 440 acres of high-end residential development. The project was justified on the basis of numerous cases of structural flooding in the development, the most significant being in 1991. This project, when completed, provided for protection from the 100-year flood and allowed the Base Flood Elevation (BFE) within the protected area to be lowered by over 3 feet.

The project consisted of the construction of new levees and upgrading of existing levees for a total length of about 8000 feet; the earthen levees were constructed to meet Corps of Engineers minimum standards in terms of earth soil type, slopes, crown width, and freeboard above the 100-year flood level. Dirt for the levees was obtained from a 42 acre area within the protected side that created a detention basin capable of holding the runoff volume of a 10-year design storm without discharge. A gravity outlet structure with 3-72" culverts was built with sluice gates for the normal release of storm water when backwater conditions allowed. For critical design, when backwater conditions were high, a pump station was built to convey the stored water from the detention basin over the levee to the normal outlet channel. The pump station holds two electric driven pumps, each capable of delivering 27,000 gallons per minute. For design purposes, only one pump would be required to control the protected side of the project to the desired high-water elevation.

S. E. Huey Co. provided all elements of the design including the hydrologic/hydraulic calculations of the basin and pumping system, civil design of the levee and drainage structures, structural design of the gravity and pump station facilities, topographic surveys, and project administration during construction. The H/H studies included the use of HEC programs and the information was accepted by FEMA as the basis for revision in the later issues of the FIRM for this area.



# Louisiana Watershed Initiative (LWI) Round 2 Hydrology and Hydraulics Design Support

Pan American Engineers | Bunkie, Hessmer, Kinder, and Colfax, LA



**Dates of Completion:** Ongoing

**Scope:** Development and implementation of watershed action plans, data analysis, flood risk modeling, and stakeholder engagement

Halff provided detailed hydrology and hydraulics design support for five separate projects that were funded through the LWI Round 2 project selection and funding program. Preliminary scope documents show the potential for flood mitigation benefits from channel, structure, storage, and pump station improvements within residential areas of four small communities in central Louisiana. The project sites were located in the Louisiana towns of Bunkie, Hessmer, Kinder, and Colfax.

For each of these areas, Halff met with the Client and performed a site visit to review task deliverables, available historical data, and site conditions. Halff utilized the following datasets to better inform the H&H model and accurately predict existing and proposed water surface elevations:

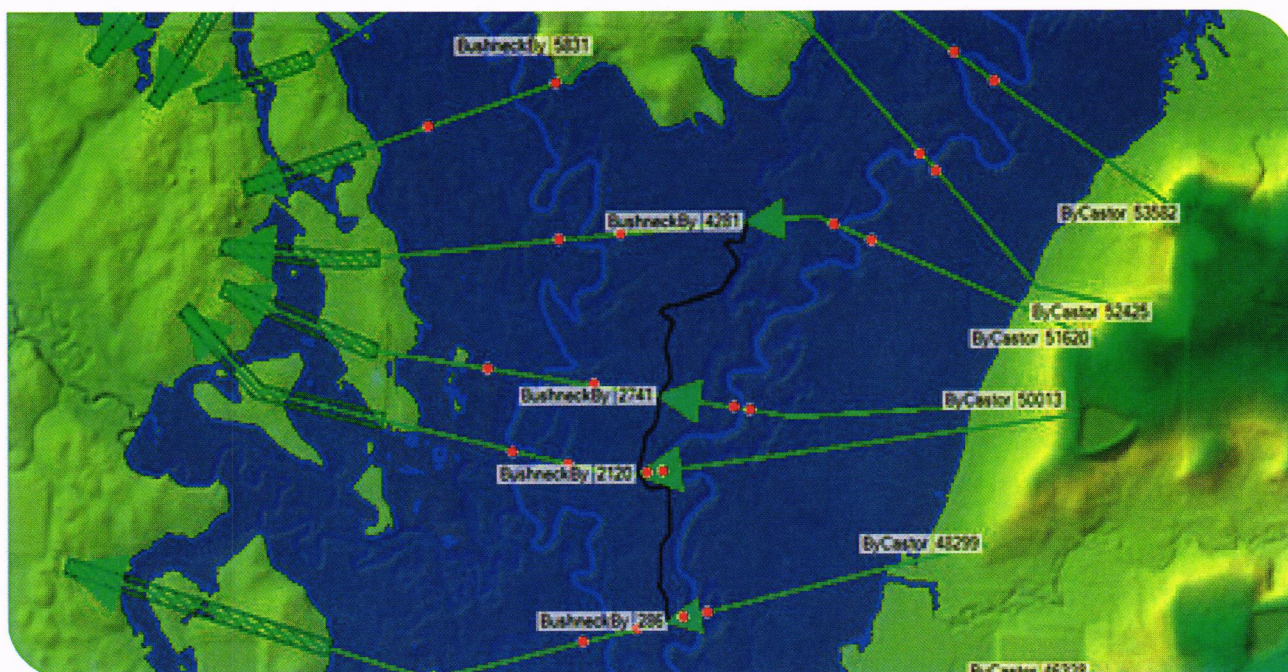
- FEMA effective base flood models
- NRCS soils data
- Existing and future land use
- Base Level Engineering (BLE) models
- 2019 Lidar data for DEM development
- Atlas 14 rainfall depths
- Historic flood event reporting and high-water marks

Halff then developed a hydrologic model for each project using HEC-HMS to delineate drainage basins and Atlas rainfall depths to develop frequency storm events for the 5-, 10-, 25-, 50-, 100-, and 500-year events. Once flows were established for each affected watershed, Halff created detailed 1D and 2D steady-state HEC-RAS hydraulic models for the streams and structures being improved. Halff prepared separate hydraulic models for the existing and proposed conditions and compared water surface elevations for all storm events. Halff then evaluated the effects of the proposed mitigation alternatives on the watercourse, floodplain, and affected properties. Finally, Halff prepared a brief report addressing the checklist requirements of the LWI for Round 2 funded projects.



# IDIQ Contracts for Louisiana Watershed Initiative (LWI) Modeling Regions 3 and 4

Louisiana Department of Transportation and Development (LADOTD) | Louisiana



In an ambitious initiative led by LADOTD, Halff embarked on an unparalleled project aimed at redefining flood risk management across the State of Louisiana through watershed-based solutions. As part of this groundbreaking endeavor, Halff was responsible for the hydrologic and hydraulic modeling tasks for two HUC-8 watersheds,, encompassing everything from meticulous data collection to the development of sophisticated, interactive models. These comprehensive models, engineered for the Parishes within Region 4, offer an intricate understanding of the hydrologic and hydraulic interconnections among communities. They serve as the backbone for informed decision-making, guiding crucial aspects such as land use, policy formation, and infrastructure coordination, all aimed at optimizing flood risk management at the watershed level.

## Seamless Coordination

The Team showcased their extensive expertise by orchestrating seamless collaboration with local government officials and stakeholders, conducting thorough data gap analyses, and provided comprehensive survey services when developing the modeling approach for each watershed. This allowed data compliance with FEMA standards and facilitated the acquisition of new, pivotal data.

The project aimed to redefine flood risk management across the State of Louisiana through watershed-based solutions.

**Completed:** Ongoing

**Scope:** Watershed Management, Survey Data Collection, Hydrologic & Hydraulic Modeling, Consequence Modeling, Community Outreach, Floodplain Mapping, Field Survey

## Reference

Billy Williamson, Statewide Flood and Watershed Evaluation Programs Administrator  
LADOTD  
225.379.2023  
Billy.williamson@la.gov





QBE North America

## ARCHITECTS & ENGINEERS PROFESSIONAL LIABILITY POLICY DECLARATION - LOUISIANA

NOTICE: THIS IS A CLAIMS-MADE AND REPORTED POLICY. SUBJECT TO ITS TERMS AND CONDITIONS, THIS POLICY APPLIES ONLY TO CLAIMS BOTH FIRST MADE AGAINST THE INSURED DURING THE POLICY PERIOD AND REPORTED TO THE COMPANY IN WRITING DURING THE POLICY PERIOD OR ANY APPLICABLE EXTENDED REPORTING PERIOD AND IN ACCORDANCE WITH THIS POLICY'S REPORTING PROVISIONS. CLAIM EXPENSES ARE PART OF AND NOT IN ADDITION TO THE LIMITS OF LIABILITY.

POLICY NUMBER: ANE63363-01		RENEWAL OF POLICY NUMBER: ANE62332-00
ITEM 1.	<b>NAMED INSURED AND ADDRESS:</b> S.E. Huey Co., A Professional Corporation 1111 North 19th Street Monroe, LA 71201	
ITEM 2.	<b>POLICY PERIOD:</b> (a) Effective Date: June 1, 2023 (b) Expiration Date: June 1, 2024 At 12:01 am Standard Time both dates at the Address stated in ITEM 1.	
ITEM 3.	<b>RETROACTIVE DATE:</b> January 01, 1928	
ITEM 4.	<b>LIMITS OF LIABILITY (including Claims Expenses):</b> (a) Each Claim Limit of Liability: \$1,000,000 (b) Aggregate Limit of Liability: \$2,000,000	
ITEM 5.	<b>RETENTIONS:</b> (a) Each Claim: \$20,000 (b) Aggregate Retention: \$60,000	
ITEM 6.	<b>PREMIUM:</b> \$32,116	
ITEM 7:	<b>EXTENDED REPORTING PERIOD OPTION(S)</b> 12 months at 100% of the annual policy premium. 24 months at 150% of the annual policy premium. 36 months at 185% of the annual policy premium.	

**ITEM 8. POLICY FORM AND ENDORSEMENTS:**

AMWINS-APL-100001 (06-18)	Architects and Engineers Professional Liability Policy
AMWINS-APL-500039-LA (12-18)	Louisiana Amendatory Endorsement
AMWINS-APL-200004 (06-18)	Each Claim and Aggregate Endorsement
AMWINS-APL-200015 (07-18)	Amend Defense and Settlement Endorsement
AMWINS-APL-200022 (07-18)	Amend Reporting of Claims and Circumstances Endorsement

**ITEM 9. NOTICE TO THE COMPANY:**

QBE North America Claims  
55 Water Street  
New York, NY 10041

**These Declarations, the completed signed Application and the Policy with Endorsements shall constitute the contract between the Named Insured and the Company.**