



Baton Rouge: Corporate Office

9107 Interline Avenue
Baton Rouge, LA 70809
T. 225.927.9321
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October 12, 2020

Mrs. Heather Crain
Livingston Parish Government
20399 Government Blvd
Livingston, LA 70754

Re: Early Warning System and Rain Gauges Project Qualifications Statement - Engineering Services

Please find attached our qualifications in response to the Livingston Parish Request for Qualifications for the Early Warning System and Rain Gauges Project. Forte and Tablada has significant experience in providing engineering services to develop site plans for a variety of projects and has intimate knowledge of Livingston Parish, DR 4277, and FEMA related projects.

Forte and Tablada has experience and knowledge of the Amite River Basin Model developed by LA DOTD due to its role as the lead surveyor for the project. Following installation of the rain gauges, Forte and Tablada will be in a unique position to calibrate the gauges with respect to the model so that public officials have near real-time access to potential water hazards and the corresponding consequences associated with the predictions.

Forte and Tablada is equipped with an in-house surveying and Advanced Measurements/Data Collection team that has vast experience with performing a full spectrum of surveying and data collection services. Their capabilities to provide/install instrumentation in accordance to the project scope is unmatched. Furthermore, our civil engineers have an intimate understanding of Livingston Parish and the tributaries for which the early warning system will be used to monitor. We will be able to identify site locations, develop site plans, identify hazards unique to each location, and specify and oversee the installation of the specialized equipment necessary to provide for an effective warning system.

Forte and Tablada understands the requirements to complete the work as identified in the RFQ, is properly licensed as an engineering and surveying firm in the State of Louisiana, and has not been cited with any ethics violations by our professional boards within the past five years.

The point of contact for the project will be:

Chad A. Bacas, P.E., MBA, Sr. Vice President
(T): (225) 927-9321, (F): (225) 927-9326
Bacasc@forteandtablada.com

We thank you for your consideration and hope that you will strongly consider Forte and Tablada to successfully implement the Early Warning System and Rain Gauges Project for Livingston Parish.

Very truly yours,



Chad A. Bacas, P.E., MBA
Sr. Vice President

Early Warning System and Rain Gauges Project

October, 12, 2020

Submitted By:



Forte and Tablada, Inc.
9107 Interline Avenue
Baton Rouge, LA 70809

Submitted To:



Livingston Parish Government

Mrs. Heather Crain

20399 Government Blvd, Livingston, LA 70754

RESPONDENT QUALIFICATIONS AND EXPERIENCE

HISTORY AND BACKGROUND

Forte and Tablada is an engineering business established in 1961 and head-quartered in Baton Rouge, Louisiana with offices in Denham Springs and Shreveport. Forte and Tablada, Inc. presently employs thirteen registered professional civil engineers with two dually registered as professional land surveyors, nine civil engineering interns, and six registered professional land surveyors. Our staff consists of professionals with experience in civil, structural, environmental, and electrical design, inspection, land surveying and permitting services, and advanced measurements and modeling, offering a full line of in-house design and management capabilities. In addition to our professional staff, our outstanding support staff can complete all tasks necessary for our clients. Our computer capabilities include Computer Aided Design Drafting with state-of-the-art work stations utilizing the latest release of AutoCad and Micro Station, a powerful network of computing clusters, and advanced data collection equipment.

Full Legal Name: Forte and Tablada, Inc

DUNS Number: #05-378-1910

Established: 1961

Entity and Expertise: S-Corporation; Engineering and Surveying

Ownership Structure: Privately Held by Shareholders Joey Coco and Chad Bacas

FINANCIAL STRENGTH, STABILITY, and WORKLOAD

Forte and Tablada, Inc. has been in business for 59 years in Louisiana. The firm has remained financially stable throughout that time and is currently in position to complete this project for Livingston Parish without concern for financial stability. A letter of good standing from our financial institution is provided in this document for reference. Forte and Tablada has ample capacity to handle this project with respect to staff and existing workload.

RELATED SERVICES PROVIDED TO GOVERNMENT ENTITIES

Forte and Tablada has over 20 years' experience with projects in numerous parishes under the LCDBG Program as well as other disaster recovery programs such as HMGP and other efforts specific to DR 4277. Forte and Tablada assisted in the application process and was successful in developing these projects for funding. Some of these projects include:

- Price Street Drainage Improvements, Iberville Parish Council (HMGP funded)
- Seymourville Canal Drainage Improvements, Iberville Parish Council (HMGP funded)
- West Colyell Creek Hydrology Analysis, Livingston Parish (HMGP funded)
- South Satsuma Bridge Replacement, Livingston Parish (HMGP funded)
- Denham Springs Flood Recovery DR 4277 Program Management- Denham Springs, LA (HUD/HMGP funded)
- St. Helena Parish HMGP Wind Retrofit- St. Helena Parish, LA (HMGP funded)
- Tangipahoa Parish Forrest Lane Drainage- Tangipahoa Parish, LA (HMGP funded)
- Iron Farms Drainage Improvements, Iberville Parish (CDBG funded)
- Livingston Drainage Improvements- Bridge Replacements, Livingston Parish (CDBG funded)
- Bruceville Sewer Improvements, Iberville Parish Council (CDBG funded)
- Rosedale Elevated Water Tank- Iberville Parish (CDBG funded)
- East Feliciana Emergency Generators- East Feliciana Parish (CDBG funded)
- Grosse Tete Emergency Generators- Iberville Parish (CDBG funded)
- Gravesbriar Subdivision Sewer System Improvements- Livingston Parish (CDBG funded)
- Livingston Parish Boat Launch Application Phase- Springfield, LA (RESTORE/FEMA)

SPECIALIZED KNOWLEDGE

Forte and Tablada has a considerable amount of experience in drainage system design and improvements, civil/site selection, drainage impact studies, hydrologic and hydraulic analyses and modeling, and surveying and advanced data collection. All of these multi-disciplinary skill-sets are necessary to perform the Early Warning System and Rain Gauges Project. Our staff is proficient in storm water planning, hydrology, instrumentation, software development, networking of devices, and construction administration. Each of these services will be required for this project.

For this project, sites will need to be selected in a manner that provides reliable data collection for the system to work properly. Rain gauges are extremely sensitive to their location and need to be placed so that they do not have interference with naturally occurring elements such as trees that may prohibit representation of actual rainfall. Furthermore, the sites need to be placed so that data collectors are not vulnerable to vandalism, theft, or other accidents that may cause the data to be compromised. Electrical systems will need to be elevated so that they are not exposed to floodwaters and sited to the proper elevation.

Forte and Tablada's advanced measurements division has experience in dealing with remotely operated equipment that require data to be collected through networks. In several instances, projects require customized software development to collect data and report it so that decisions can be made. It is anticipated that this project will require similar expertise whereby multiple telecom-connected rain gauges report live results to a single system of record for the purpose of coupling the data predicted storm water elevations and consequences.

Since power will be a consideration for each site to ensure reliability of the network, each location may need standby generators. Forte and Tablada has extensive experience in dealing with emergency power projects.

Lastly, navigating the complex FEMA HMGP grant application process is a skillset in itself that Forte and Tablada can offer the Parish. This experience is instrumental for understanding what costs will not be eligible for the HMGP funds as well as procurement/contracting and reporting once the project goes to construction.

PERSONNEL AND PROFESSIONAL QUALIFICATIONS

A collection of relevant projects and personnel qualifications follow this page.

Chad Bacas, Principal
Kresten Brown, Project Manager
Tyler Branch, Civil Engineer
Todd Harris, Surveyor
Ross Wilson, Surveyor

REFERENCES

1. Jamie Etheridge, City of Walker, Chief of Operations, (225) 665-4356.
2. Gerard Landry, City of Denham Springs Mayor - 941 Government Drive, Denham Springs, Louisiana 70726 - (225) 665-8121.
3. Layton Ricks, Livingston Parish - 20399 Government Boulevard, Livingston, Louisiana 70754 - (225) 686-4400.
4. Jason Cambre, P.E., St. Tammany Parish, 620 N. Tyler Street, Covington, Louisiana 70433 - (985) 898-2552.
5. Fred Raiford, City of Baton Rouge Transportation & Drainage Director - 222 Saint Louis Street, 8th Floor, Baton Rouge, Louisiana 70802 - (225) 243-0201

CUSTOMER SERVICE

Joey Coco, Jr., P.E., MBA, Principal

O: (225) 927-9321

C: (225) 921-3841

Address: 9107 Interline Avenue, Baton Rouge, Louisiana, 70809

Email: jcoco@forteandtablada.com

Home *HB* Bank

September 1, 2020

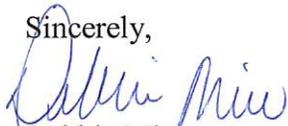
Ref: Forte and Tablada, Inc.

To Whom It May Concern,

Forte and Tablada, Inc. has been a customer of Home Bank for a very long time. On a monthly bases Forte and Tablada turn in their financial information for Home Bank to review.

Home Bank considers Forte and Tablada a very good customer of the Bank.

Sincerely,



Debbie Mire
Vice President



AMITE RIVER BASIN MODEL- HYDROGRAPHIC SURVEY

1. **Project Title and Location:**
Amite River Basin Model Survey
2. **Professional Services Year:**
2017-2018
3. **Client/Owner Name:**
LA DOTD
4. **Client/Owner Contact Name:**
Edward Knight, P.E.
5. **Client/Owner Contact:**
(225) 379-3007
6. **Estimated Construction Cost:**
N/A
7. **Current Status:**
Completed
8. **Estimated Completion Date:**
Complete
9. **Firm Members Involved:**
Steve Leblanc, P.L.S., Joey Coco, P.E., Jonathan Coco, Will Fontenot, P.L.S.
10. **Role:**
Surveying

Forte and Tablada worked with LA DOTD and Dewberry to provide hydrographic surveying of the Amite River and Comite River. Task orders included typical cross-sections of these rivers, as well as detailed 3-D bathymetric data collected with sonar equipment. Forte and Tablada also provided ground control for LIDAR of the Amite River Basin. Notably, Forte and Tablada provided a high-resolution survey of the Amite River Diversion Weir utilizing a variety of techniques including multi-beam sonar and traditional survey methods.



Port Vincent Bridge Scan and Bathymetry Integrated

1. **Project Title and Location:**
Walker City-Wide Drainage Study, Walker, LA
2. **Professional Services Year:**
2019-On going
3. **Client/Owner Name:**
City of Walker
4. **Client/Owner Contact Name:**
Jamie Etheridge
5. **Client/Owner Contact:**
(225) 665-4356
6. **Estimated Construction Cost:**
N/A
7. **Current Status:**
On going
8. **Estimated Completion Date:**
December 2020
9. **Firm Members Involved:**
Chad Bacas, P.E., Kresten Brown, P.E.
10. **Role:**
Civil Engineering
Surveying

WALKER CITY-WIDE DRAINAGE STUDY, WALKER, LA

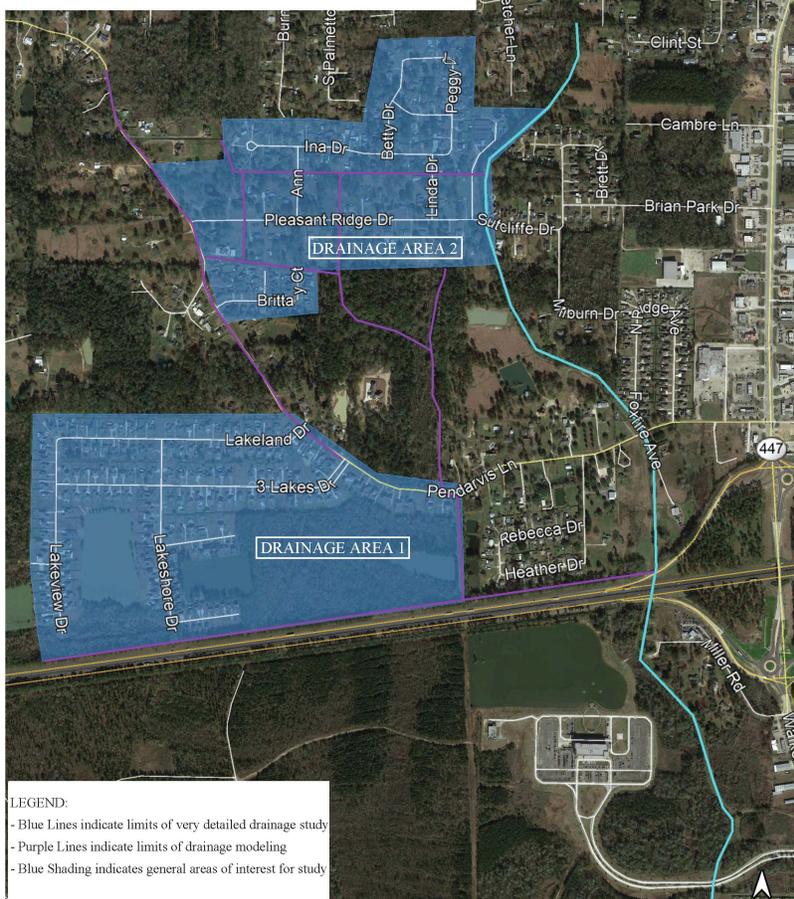
The City-Wide Drainage Study Project includes completion of substantial topographic and waterway surveys, hydraulic modeling using various modeling software for several streams, creeks, and tributaries. This project also includes the compilation of drainage recommendations to rectify any identified drainage issues, as well as make City-Wide drainage project recommendations, where able, with the goal to improve the overall watershed. Once the larger scale projects are identified, we will provide a preliminary BCA (Benefit Cost Analysis) to show that the project benefits would outweigh the costs. If the projects provide to be "beneficial", they should be able to be submitted for various grant/cost share programs through the State and Federal Government upon later direction from the City of Walker.

As noted, this project consists of completing numerous surveys throughout the City of Walker to identify any existing drainage issues as well as identify opportunities to improve the overall drainage capacity of individual streams, or possibly even retain/detain stormwater to effectively lower the water surfaces of some subject waterways. Forte and Tablada will provide recommendations to the City for improvement of the drainage conveyance capacity within the City and complete preliminary engineering documents necessary for the future planning.

DRAINAGE AREAS 1 AND 2

- Portion of Taylor Bayou Watershed - South of Pendarvis (DA1)
- Portion of Taylor Bayou Watershed, North of Pendarvis (DA2)

Appendix 2



EAST BATON ROUGE STORMWATER MASTERPLAN

1. **Project Title and Location:** East Baton Rouge Stormwater Masterplan
2. **Professional Services Year:** 2018- On going
3. **Client/Owner Name:** East Baton Rouge Parish c/o HNTB
4. **Client/Owner Contact Name:** Fred Raiford
5. **Client/Owner Contact:** (225) 389-3000
6. **Estimated Construction Cost:** N/A
7. **Current Status:** On going
8. **Estimated Completion Date:** December 2020
9. **Firm Members Involved:** Will Fontenot, P.L.S., Jonathan Coco, Gerry Middleton, P.L.S.
10. **Role:** Surveying

Forte and Tablada, Inc is providing hydrographic surveying for bayous and creeks located within East Baton Rouge Parish for the EBR Stormwater Masterplan. The work consists of establishing cross-sections and stream bed profiles along their length. Bridge and culvert locations are also being surveyed to obtain cross-sectional areas and obstructions for hydraulic analysis purposes. Where applicable, terrestrial LIDAR (laser scanning) is being used to capture information at bridge locations. Areas with standing water are being accessed by shallow water draft vessels. Control for the project is established through SmartNet.



WALKER CITY HALL DETENTION POND AND CIVIL/SITE DESIGN, WALKER, LA

1. **Project Title and Location:**
Walker City Hall Detention Pond Walker, LA
2. **Professional Services Year:** 2019
3. **Client/Owner Name:**
Labarre Associates
4. **Client/Owner Contact Name:**
Jay Labarre
5. **Client/Owner Contact:**
8385 Rushing Road
225-664-1934
Denham Springs, LA
70726
6. **Estimated Construction Cost:** N/A
7. **Current Status:**
Completed
8. **Estimated Completion Date:**
Complete
9. **Firm Members Involved:**
Tyler Branch, P.E.
Chad Bacas, P.E., Kresten Brown, P.E., John Hobbs, Sr. Electrical Designer, Todd Harris, P.L.S.
10. **Role:**
Civil Engineering
Surveying
Structural Engineering
Electrical Engineering

Forte and Tablada, Inc. performed a Drainage Impact Study and provided civil site design services associated with the 26,000± sq. ft. City Hall building in Walker, LA, overseeing the expansion of an existing detention pond and associated drainage, parking, geometrics, grading, and site utilities. Topographic survey data, in addition to LIDAR data was used to determine the existing drainage patterns for the site. The SCS TR-55 method was also used to determine the peak runoff rates from the proposed development for the 10-year, 24-hour (7.8" rainfall), 25-year, 24-hour (9.6" rainfall), and 100-year, 24-hour (12.6" rainfall) design storms. The developed site will expand and utilize the Stine's Lumber stormwater detention pond to the South of the property. This design was modeled and verified using Autodesk's Storm and Sanitary Analysis software. The model was analyzed using both normal depth and a fixed tailwater elevation for downstream boundary conditions at the stormwater detention pond outfall. The stormwater detention pond was expanded to accommodate the additional runoff from the Walker City Hall Development.



RESPONDENT QUALIFICATIONS AND EXPERIENCE- RECENT PROJECTS

NORTHSHORE TECHNICAL COMMUNITY COLLEGE

Forte and Tablada was responsible for civil design to provide plans, details, and specifications for a complete civil site package including a detention pond, all parking and drives, geometrics, drainage, site grading, and site utilities. Forte and Tablada conducted a drainage impact study at the site.

1. **Project Title and Location:**
Northshore Technical Community College
Walker, LA
2. **Professional Services Year:**
2017-2019
3. **Client/Owner Name:** Holly and Smith Architects
4. **Client/Owner Contact Name:** Pierre Theriot
5. **Client/Owner Contact:** 985-345-5210
6. **Estimated Construction Cost:** N/A
7. **Current Status:** Complete
8. **Estimated Completion Date:** Complete
9. **Firm Members Involved:** Chad Bacas, P.E.; Jason Fennell P.E.
10. **Role:** Civil Engineering Consultant



WEST COLYELL CREEK DRAINAGE IMPROVEMENTS

1. **Project Title and Location:** West Colyell Creek Drainage Improvements
2. **Professional Services Year:** 2015
3. **Client/Owner Name:** Livingston Parish Government
4. **Client/Owner Contact Name:** Layton Ricks, Parish President
5. **Client/Owner Contact:** (225) 686-3027
6. **Estimated Construction Cost:** In Progress
7. **Current Status:** In Progress
8. **Estimated Completion Date:** 2021
9. **Firm Members Involved:** Jonathan Coco, Kresten Brown, P.E., Chad Bacas, P.E., Bobby Badeaux; Todd Harris, P.L.S.
10. **Role:** Civil Engineer Consultant

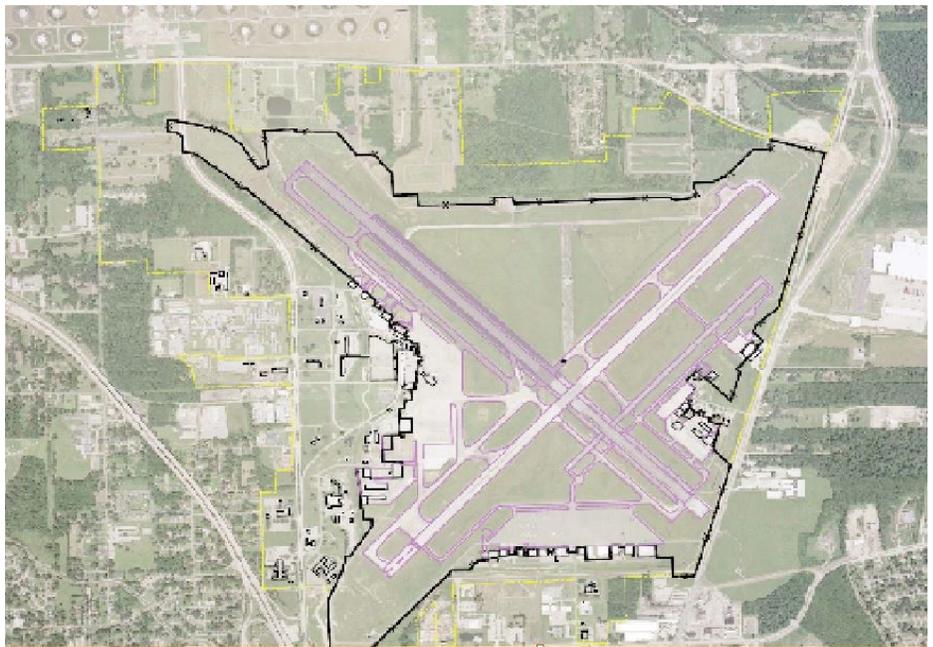
The West Colyell Project was designed and approved through the FEMA HMGP process, to make improvements to a portion of West Colyell Creek from US 190 to Buddy Ellis Road (approximately 2.4 miles of waterway) in Livingston Parish, to increase the hydraulic capacity of the existing creek. It was shown in the Hydraulic and Hydrologic Study (H&H Study) that the water surface of the subject area will be lowered and improve the flooding conditions many of the residents in the area experience. The proposed channel cross section can be described as an earthen channel with 3:1 side slopes for the majority of the project limits. Where the side slope will exceed 3:1, the geotechnical engineering consultant provided a slope stability analysis to prove this construction method (earthen) is sufficient and meets the project needs. The analysis showed, with the soils specific to this site, and with proper construction methods and specifications, we will be able to steepen the side slopes beyond the 3:1 while still maintaining the earthen construction methodology. This allows for a narrower construction section for portions of the project where real estate is limited. In most cases the channel is simply being widened, in a few other cases the channel is being widened and slightly re-aligned to provide for better flow geometry and to avoid having to acquire any property with relocations. Currently the project design is complete and the necessary servitude acquisition process has begun.



BATON ROUGE AIRFIELD DRAINAGE STUDY

1. **Project Title and Location:** Baton Rouge Airfield Drainage Study
2. **Professional Services Year:** 2010
3. **Client/Owner Name:** Baton Rouge Metropolitan Airport
4. **Client/Owner Contact Name:** Gary Beard, P.E.
5. **Client/Owner Contact:** (225) 355-0333
6. **Estimated Construction Cost:** N/A
7. **Current Status:** Complete
8. **Estimated Completion Date:** 2010
9. **Firm Members Involved:** Chad Bacas, P.E.; Ann Forte Trappey, P.E.; Mark Kessler; Todd Harris, P.L.S.
10. **Role:** Civil Engineering
Surveying

Forte and Tablada, Inc. provided engineering and land surveying services to complete a Drainage Study of the entire Airfield Operations Area and to develop preliminary drainage plans to help increase safety for the traveling public. The Drainage Study was completed for the purpose of locating the existing drainage problems within the site and developing potential drainage improvement projects. The study included a hydrologic analysis, hydraulic analysis, recommendations, cost estimates, site condition information, and various maps. The survey scope included a topographic survey of approximately 685 acres, 15,000 topographic shots and locations of over 250 drainage structures utilizing GPS, robotic and conventional surveying techniques.



Aerial View of Baton Rouge Metropolitan Airport

WEST FELICIANA PARISH DRAINAGE SURVEY

1. **Project Title and Location:** West Feliciana Parish Drainage Survey
2. **Professional Services Year:** 2017-2019
3. **Client/Owner Name:** East Dewberry c/o FEMA
4. **Client/Owner Contact Name:** Jerri Daniels, Dewberry
5. **Client/Owner Contact:** (504) 330-5463
6. **Estimated Construction Cost:** N/A
7. **Current Status:** Complete
8. **Estimated Completion Date:** 2019
9. **Firm Members Involved:** Will Fontenot, P.L.S., Jace Ricard, P.L.S.
10. **Role:** Surveying

Forte and Tablada, Inc. is providing surveying for drainage structures located in West Feliciana Parish. This work is in connection to FEMA and hydraulic analysis. Invert elevations and structure cross sections are captured in the survey effort.



RESUMES

CHAD A. BACAS, P.E., MBA, PRINCIPAL-IN-CHARGE



REGISTRATION:

Professional Civil Engineer
No. 28786/LA/2000

EDUCATION:

Bachelor of Science
1995
Civil Engineering
Louisiana State University

Masters of Business Administration
2001

Business Administration
Louisiana State University

YEARS OF EXPERIENCE WITH THIS FIRM:

22

TOTAL YEARS OF EXPERIENCE:

23

Chad Bacas is a licensed professional engineer in the state of Louisiana with extensive experience in civil engineering and project management. He is a versatile asset to our civil design team with a sound working knowledge of local, state and federal design guidelines. He has participated in a variety of projects from design through construction to final project closeout as a Project Manager, Engineer of Record and Construction Manager. Mr. Bacas currently serves as the Planning Commission Review Engineer for Livingston Parish and is responsible for reviewing and inspecting all planning commission items to ensure that engineering and surveying within the parish complies with parish ordinances and best engineering practices including preliminary plats, drainage impact studies, construction plans and final plats/site plans for various residential and commercial developments.

EXPERIENCE:

Northshore Technical Community College Detention Pond and Site Design, Walker, LA- Project Manager responsible for a drainage impact study for detention pond design and civil design to provide plans, details, and specifications for a complete civil site package including all parking and drives, geometrics, drainage, site grading, and site utilities.

Walker City Hall Detention Pond and Civil/Site Design, Walker, LA- Provided coordination support for a Drainage Impact Study and civil site design services associated with the 26,000± sq. ft. City Hall building in Walker, LA, overseeing the expansion of an existing detention pond and associated drainage.

South Satsuma Bridge Replacement, Livingston Parish, LA- Project Manager for engineering design services to replace a 100ft wooden span bridge with 140 foot concrete bridge under the Hazard Mitigation Grant Program with Livingston Parish. The bridge was causing upstream flooding during low frequency rain events and needed to be replaced. Detailed hydraulic analysis was conducted for the project to understand flow characteristics.

Iron Farm Drainage Improvements, Iberville Parish, LA- Project Manager to implement approximately 1,900 linear feet of erosion control measures such as articulating matting or other options. This project scope consists of design, construction observation, survey, geotechnical analysis, right-of-way/servitude survey, wetland delineation, Corps of Engineers – wetland permit, and a hydraulic impact study.

Baton Rouge Metropolitan Airport Airfield Drainage Improvements, Baton Rouge, LA-Project Manager for the Drainage Study completed for locating the existing drainage problems within the site and developing potential drainage improvement projects. The study included a hydrologic analysis, hydraulic analysis, recommendations, cost estimates, site condition information, and various maps.

West Colyell Creek Drainage Improvements, Livingston Parish, LA Professional of Record for improvements to West Colyell Creek. The project included completing the topographic and house pads surveys, completing a hydraulic study, preparing bid documents, obtaining all necessary environmental and DOTD permits, construction administration services, construction observation, and inspection services for a HMGP funded project.



ACTIVE REGISTRATION:
Professional Engineer
No. 39998/LA/2015

EDUCATION:
Bachelor of Science
2011
Civil Engineering
Louisiana State University

YEARS OF EXPERIENCE WITH THIS FIRM:
9

TOTAL YEARS OF EXPERIENCE:
9

RESUMES

KRESTEN T. BROWN, P.E., CIVIL ENGINEER

Mr. Brown is a key member of our Civil design team. Working as one of the Review Engineers for Livingston Parish since 2015, Mr. Brown has seen and reviewed countless site plans that include detention ponds, drainage impact studies, and drainage calculations along with many subdivision construction plans and construction plans for larger commercial facilities. Kresten is experienced in drainage design, including open and sub-surface drainage design, as well as civil site design including planning, utilities, and site layout.

EXPERIENCE

Walker City Hall Detention Pond and Civil/Site Design, Walker, LA- Provided coordination support for a Drainage Impact Study and civil site design services associated with the 26,000± sq. ft. City Hall building in Walker, LA, overseeing the expansion of an existing detention pond and associated drainage.

South Satsuma Bridge Replacement, Livingston Parish, LA- Project Engineer for engineering design services to replace a 100ft wooden span bridge with 140 foot concrete bridge under the Hazard Mitigation Grant Program with Livingston Parish. The bridge was causing upstream flooding during low frequency rain events and needed to be replaced. Forte and Tablada provided topographic surveying, engineering, and hydraulic analysis services for the HMGP bridge replacement as well as construction management services. Forte and Tablada provided management for the project throughout the FEMA process and provided the Benefit Cost Analysis (BCA) and hydraulic and hydrologic study required to support the necessary documentation for funding.

West Colyell Creek Drainage Improvements, Livingston Parish, LA- Project Engineer responsible for improvements to West Colyell Creek. Services provided included completing the topographic and house pads surveys, completing a hydraulic study, preparing bid documents (drawings and specifications), and obtaining all necessary environmental and DOTD permits, construction administration services, construction observation, and inspection services for a HMGP funded project. The improvements will widen and realign the creek.

Walker General Engineering Services Retainer, Walker, LA- Project engineer for Madison Oaks drainage study. This drainage study included a survey of the area of concern, hydraulic calculations to identify areas of diminished drainage capacity, and recommendations for improvements for drainage of upstream subdivision.

Louisiana Recovery Authority: 7 Bridge Replacements; Livingston Parish, LA- Project Engineer responsible for the preliminary study to determine the feasibility of replacing seven timber bridges within the Parish. Drainage areas were determined for each bridge and storm runoff was calculated. Services also included in this contract were surveying, wetland delineation, preliminary and final design plans, permitting services, hydraulic analysis, and construction inspection. Forte and Tablada, Inc. was also responsible for putting together construction documents and bidding the project. A hydraulic impact study was conducted for this project.



RESUMES

TYLER H. BRANCH, P.E., CIVIL ENGINEER

Mr. Branch is a Professional Engineer with a range of experience in civil engineering. He is a member of the Louisiana Engineering Society and the American Society of Civil Engineers and is currently serving as Vice President of the American Society of Civil Engineers Baton Rouge Branch. Tyler has experience in the design and management of commercial and institutional projects. He has performed hydrologic and hydraulic analysis for the design of detention ponds associated with civil site projects. He has designed sites for the development of schools, banks, medical facilities, etc. including earthwork, pavement design, drainage design, runoff treatment, site access, site parking, utility coordination, and fill mitigation.

EXPERIENCE:

Walker City Hall, Walker, LA – Served as the project manager for the Drainage Impact Study and civil site design associated with the 26,000± sq. ft. building in Walker, LA (Livingston Parish), overseeing the design of a detention pond and associated drainage, parking, geometrics, grading, site utilities, etc., and coordinating with utility companies, City personnel, and other design team disciplines.

Atwater Subdivision, East Baton Rouge Parish, LA– Served as the designer and project engineer for the 327-lot first phase of the residential subdivision in East Baton Rouge Parish, designing a detention pond and associated drainage, alignments, profiles, geometrics, grading, sewer, pump station, etc., and coordinating with utility companies, planning commission, and state agencies.

FMC Dialysis Clinic O’Neal Lane, Baton Rouge, LA – Served as the designer and project manager and prepared the civil site design including a detention pond and associated drainage, grading, geometric design, and utility coordination for the dialysis home training site in the City of Baton Rouge/East Baton Rouge Parish.

La Capitol FCU Siegen Lane, Baton Rouge, LA– Served as the designer and prepared the civil site design including a detention pond and associated drainage, grading, geometric design, and utility coordination for the bank site in the City of Baton Rouge/East Baton Rouge Parish.

E Federal Credit Union – Perkins Rd Branch, Baton Rouge, LA- Served as the project manager to perform Drainage Impact Study and Civil design to include detention pond and associated drainage, site layout, geometrics, site utilities and site grading.

FMC Dialysis Clinic, Gonzales, LA – Served as the designer and project manager for civil site design including a detention pond and associated drainage, grading, geometric design, utility coordination, and construction administration for the dialysis clinic site in Ascension Parish.

Storm Drainage Improvements at Dixon Correctional Institute, Jackson, LA – Served as the designer and project manager for the drainage improvement project in Dixon Correctional Institute, overseeing the design of subsurface drainage and outfall structure.

Price Street Drainage Improvements, Iberville Parish, LA – Served as the designer and project manager and performed the hydrologic and hydraulic analysis for an existing concrete bridge replacement and subsurface drainage project through the Hazard Mitigation Grant Program.

Hammond Drainage Study, Hammond, LA – Project engineer to gather information on all large drainage structures on all large water bodies in the City of Hammond and developed a comprehensive drainage model of the city’s watershed. This model was used to help the City of Hammond understand its drainage system and natural features to inform the city’s planning department if changes need to be made regarding future growth, and, thereby, enhance the city’s resiliency.

REGISTRATION:

Professional Civil Engineer
No. 41576/LA/2017

EDUCATION:

Bachelor of Science
2012
Civil Engineering
Louisiana State University

YEARS OF EXPERIENCE WITH THIS FIRM:

9

TOTAL YEARS OF EXPERIENCE:

9

**REGISTRATION:**

Professional Land Surveyor
No. 5049/LA/2011

EDUCATION:

Bachelor of Science
2002
Construction Management
Louisiana State University

YEARS OF EXPERIENCE WITH THIS**FIRM: 10****TOTAL YEARS OF EXPERIENCE: 13****RESUMES****TODD A. HARRIS, P.L.S., SURVEYOR**

Todd Harris is a professional surveyor licensed in Louisiana. He is experienced in the preparation of topographic surveys, right of way plans, boundary survey instruments and legal descriptions. He can also assist the right of way negotiators with any technical aspect of the proposed improvements.

EXPERIENCE:**Hurdle Road Drainage Improvements, Iberville Parish, LA**

Survey Manager responsible for the topographic survey necessary for the installation of approximately 6,500 linear feet of 12", 15", 24", 36" storm drainage pipe along Hurdle Road in Rosedale, Louisiana. The project included catch basins and improvements to the final outfall by doubling the outfall capacity. A drainage study was also conducted.

Price Street Drainage Improvements; Iberville Parish, LA

Survey Manager for the topographic survey necessary for engineering services for a drainage study of the major drainage watershed in the area. Once the study was completed, construction plans and specifications were developed for conversion of open channel to sub-surface drainage. Forte and Tablada, Inc also provided construction inspection services on this project.

Seymourville Drainage Improvements; Iberville Parish, LA

Survey Manager responsible for topographic survey necessary for preliminary and final drawings and specifications, construction inspection, hydrologic study, hydraulic study, and permitting for drainage improvements. The design replaced the CMP culverts at Plaza Drive to improve the capacity of the existing system. The corrugated metal pipe was replaced with box culverts and the canal between Plaza Drive and Tenant Road was lined with concrete to increase drainage capacity.

Airfield Drainage Improvements; Baton Rouge Metropolitan Airport; East Baton Rouge Parish, LA

Mr. Harris conducted an extensive topographic survey of the 640 acre AOA (Airfield Operations Area) for the purpose of determining the existing drainage structures and drainage flow for all runways, taxiways, ramps, and surrounding areas.

Cockerham Sidewalk/Drainage Improvements; Livingston Parish, LA

Survey manager responsible for topographic and utility surveys, and mapping for drainage servitude necessary for engineering design for the closed drainage improvements and sidewalks. Mr. Harris conducted the surveys with his crew.

West Colyell Creek Improvements, Livingston Parish, LA – Survey Manager responsible for a Topographic and House Pads Survey.**Ben Thomas Road & Alton Road Waterline Improvement, St. Tammany Parish, LA – Survey Manager responsible for topographic surveys of two sites that included roads, ditches, ROW, utilities and drives.****Wax Wing Survey over Little Bayou Castine, St. Tammany Parish, LA – Survey Manager responsible for topographic survey and determining the north and south line of the existing 60' drainage right-of-way near Marigny Trace subdivision.**

RESUMES



ACTIVE REGISTRATION:

Professional Land Surveyor
No. 5148/LA/2015

EDUCATION:

Bachelor of Science
2010
Geomatics
Nicholls State University

YEARS OF EXPERIENCE WITH THIS FIRM:

8

TOTAL YEARS OF EXPERIENCE:

10

ROSS WILSON, P.L.S., SURVEYOR

Mr. Wilson is a Professional Land Surveyor licensed in the States of Louisiana, Mississippi, Texas, and Arkansas with 10 years of land surveying experience. Having experience using Civil 3D, Microstation, Inroads, CAD Conform, and Trimble Business Center, Mr. Wilson has managed and done CAD work on Property Surveys, Topographic Surveys, Right-of-Way Maps, and Construction Surveys.

EXPERIENCE:

Belle Chasse Bridge and Tunnel Replacement- Plaquemines Parish, LA- Surveyor for comprehensive topographic surveying services for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.

I-49 Connector; Lafayette Parish, LA- Surveyor for topographic surveying services for the I-49 connector located in Lafayette, LA. The project was in a dense urban area and was approximately 5 miles long. Forte and Tablada, Inc. offered laser scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.

LA 63: Bridges near Bluff Creek – East Feliciana Parish, LA – Provided topographic surveys in preparation for bridge replacements with drainage structures along three portions of the existing highway including utility location and depths. Finished floor elevations of all buildings that fall within the survey limits were determined.

Palmetto Co. Canal Bridge, St. Landry Parish, LA- Survey Manager responsible for property surveys, title take-offs, and right-of-way map services for the removal and replacement of a timber trestle bridge that spans Bayou Des Glaises, located along La. Hwy. 10 in St. Landry Parish

Sunshine Bridge Damage Survey, Donaldsonville, LA- Surveyor responsible for establishing control on and near the Sunshine Bridge to use survey and laser scanning methods to monitor the damage on the bridge. This project included utilizing LiDAR data.

Almonaster Avenue Lift Bridge – Orleans Parish, LA – LA DOTD – Survey Manager responsible for performing topographic and property surveys, developing a drainage map, establishing existing right-of-way for the north line of I-10, Almonaster Avenue, and CSX Railroad property, and establishing elevations to develop a Digital Terrain Model with widths matching the limits of the topographic survey.

I-10 (LA 415 to Essen Lane on I-10 and I-12)- East and West Baton Rouge Parishes-LADOTD- Project Manager for topographic survey of the work between LSU lakes and Essen Lane.

I-10: Highland Road to LA 73 – East Baton Rouge and Ascension Parishes, LA – LA DOTD – Survey Manager for the topographic survey of approximately 7.0 miles to widen the interstate

Cook Road Improvements, Livingston Parish, LA – Surveyor for Right-of-Way surveys for this project that designed improvements to an existing section of two lane roadway and an unimproved area with the construction of a four (4) lane boulevard section and sidewalks from LA Hwy 16 (Pete’s Hwy) to LA Hwy 1026 (Juban Road), along with several bridges.