T. BAKER SMITH

OFF-SYSTEM HIGHWAY BRIDGE PROGRAM
MOFFET RD OVER CHAUVIN BAYOU

Terrebonne Parish

Project No. H.015940.5
Contract No. 4400030633

January 15, 2025

Empowering People. Enriching Communities.

T. BAKER SMITH

P.O. Box 2266
Houma, LA 70361

412 South Van Ave.
Houma, LA 70363

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tbsmith.com

January 15, 2025

Contract No. 4400030633 | S.P. No. H.015940.5 | Off-System Highway Bridge Program | Moffet Rd Over Chauvin Bayou

TO: Louisiana Department of Transportation and Development (LADOTD)
1201 Capitol Access Road
Baton Rouge, LA 70802

FROM: Andrée F. Cortez, PE, PMP
Chief Operations Officer
andree.cortez@tbsmith.com

Project Evaluation Team:

Louisiana Department of Transportation and Development (LADOTD) has identified the need for the replacement of a bridge in Terrebonne Parish, which is off the State Highway System. The project advertisement requests surveying, engineering, and environmental services in order to develop a complete and comprehensive plan set.

T. Baker Smith, LLC (TBS) is proud to present our project team that provides experience and expertise in LADOTD Off-System Bridge Replacement projects throughout the State. We believe our attached DOTD Form: 24-102 demonstrates that our team offers:

- **Informed, Solutions-Oriented Design.** TBS' project team has visited the project site, observed traffic in the area, and has developed a plan to expertly execute the project. We understand the existing challenges and have a firm understanding of the Off-System Bridge Program and its requirements.
- **Experienced Project Team.** TBS as a firm has been working on Off-System Bridge projects for LADOTD for over 15 years. Every member of the project team presented in this proposal has specific experience surveying, conducting environmental investigations, providing engineering services, or managing Off-System Bridge Projects. We have worked with Ms. Barbara Ostuno and her team at LADOTD and are prepared to apply our firsthand knowledge of personnel, policies, and procedures to execute the project.
- **Integrated Team Advantage.** We believe we are uniquely prepared to efficiently execute this project by providing all services by TBS personnel. The surveying crew, based only miles from the project site, will be in direct contact with our environmental professionals to share valuable knowledge of the project site for the wetland delineation. The engineering team, located down the hall from the lead surveyor, will work in concert to ensure all survey data required for the project design is collected. This coordination and communication allow us to move the project forward without any time lapses that may exist between firms.

TBS has been headquartered in Terrebonne Parish since 1913 and has since provided engineering and related services to enhance the infrastructure in our community. We are excited for this opportunity to continue to enrich Terrebonne Parish, and we look forward to working with you on this project.

Sincerely,

Andrée F. Cortez, PE, PMP

T. BAKER SMITH

LA 1183: Turner Canal Bridge
S.P. No. H.013948
Avoyelles Parish
Designed by T. Baker Smith, LLC

SECTIONS 1-13

PROJECT RELEVANCE:
Rural Bridge Replacement Initiative Phase I
Engineers of Record: Kelly Radecker, PE; Daniel Binet, PE

DOTD FORM: 24-102

(Revised December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1. Contract Name as shown in the advertisement	**Off-System Highway Bridge Program Moffet Rd Over Chauvin Bayou**
2. Contract Number(s) as shown in the advertisement	4400030633
3. State Project Number(s), if shown in the advertisement	H.015940.5
4. Prime consultant name (**name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20**)	**T. Baker Smith, LLC**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	Engineering: EF-0003388 | Surveying: VF-0000551
6. Prime consultant mailing address	P.O. Box 2266 Houma, LA 70361
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	412 South Van Avenue Houma, LA 70363
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**Kenny Belou, PE | Lead Professional, Transportation** 504.608.2612 | kenny.belou@tbsmith.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**Andrée F. Cortez, PE, PMP | Chief Operations Officer** 985.493.2938 | andree.cortez@tbsmith.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	Andrei S. Cortez Signature above shall be the same person listed in Section 9: January 15, 2025 Date:	
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm:	Firm's %:

12. Discipline Table

Discipline(s)	% of Overall Contract	T. Baker Smith, LLC (Prime)	Each Discipline must total 100%
Bridge	35%	100%	**100%**
Road	40%	100%	**100%**
Environmental	10%	100%	**100%**
Survey	15%	100%	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.			
Percent of Contract	**100%**	100%	

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
TBS T. BAKER SMITH	Principal	1	2
	Supervisor - Eng	2	4
	Engineer	3	6
	Engineer Intern	1	3
	Senior Technician	2	4
	Surveyor	1	6
	Party Chief	1	3
	Environmental Manager	1	2
	Biologist/Wetlands	1	2
	Clerical	1	3

T. BAKER SMITH

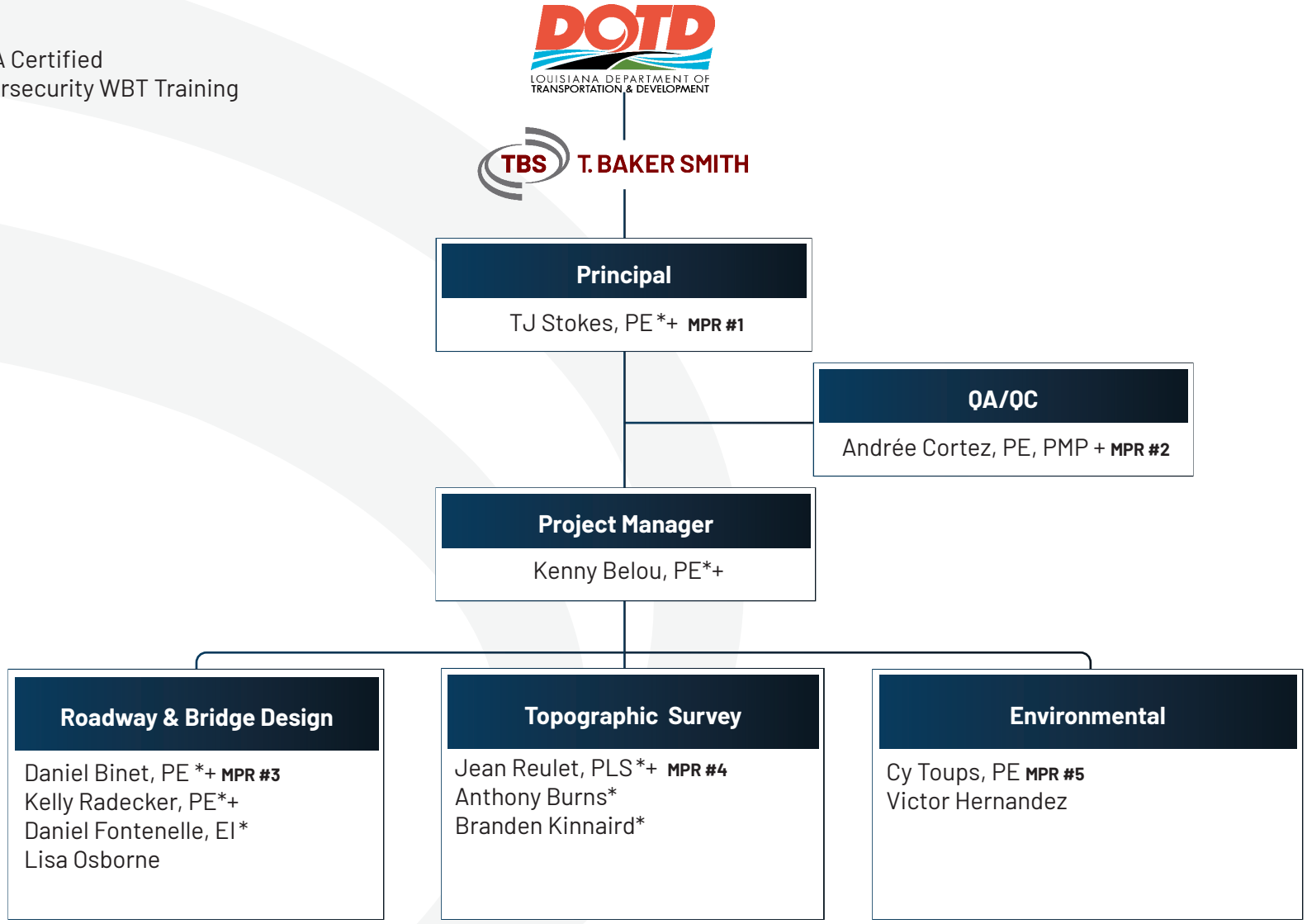
Oak Hall Road
S.P. No. H.013994
Avoyelles Parish
Designed by T. Baker Smith, LLC

SECTIONS 14-16

PROJECT RELEVANCE:
Rural Bridge Replacement Initiative Phase I
Engineer of Record: Daniel Binet, PE

14. Organizational Chart

KEY:
* TCS/TCT ATSSA Certified
\+ CPTP SCS Cybersecurity WBT Training

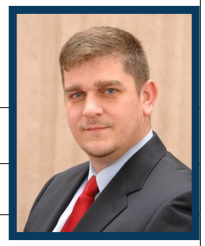


15. Minimum Personnel Requirements

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/certification & number (Ex: PE # - Civil)	State of	License / certification expiration date
1	TJ Stokes, PE	TBS T. BAKER SMITH	Professional Industrial Engineer PE.40079	LA	03.31.2026
2	Andrée Cortez, PE, PMP		Professional Civil Engineer PE.31523	LA	03.31.2025
3	Daniel Binet, PE		Professional Civil Engineer PE.42997	LA	03.31.2025
4	Jean Reulet, III, PLS		Professional Land Surveyor PLS.5145	LA	03.31.2026
5	Cy Toups, PE		Professional Environmental Engineer PE.33966	LA	09.30.2026

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**TJ Stokes, PE**	Years of relevant experience with this employer	**4**
Title	**Practice Leader, Transportation**	Years of relevant experience with other employer(s)	**12**

Degree(s) / Years / Specialization			**Bachelor of Science / 2009 / Industrial Engineering**
Active registration number / state / expiration date			**PE.40079 / Louisiana / 03.31.2026**
Year registered	**2015**	Discipline	**Industrial Engineering**

Contract role(s) / brief description of responsibilities: **Principal. TJ will oversee the project for LADOTD as Principal and satisfies MPR #1.**

TJ Stokes, PE leverages 16 years of experience providing engineering services in the transportation industry. As practice leader, he composes and manages integrated project teams to ensure transportation clients' needs are met and exceeded. **TJ gained his knowledge of LADOTD procedures during his tenure in the Road Design Section** and utilizes this information to help coordinate and communicate between the multiple disciplines required to produce the highest quality of deliverable. TJ employs his first hand experience with SUE, surveying, and engineering design to ensure proper coordination of staff and resources. He also has extensive experience managing and overseeing utility coordination and design projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** - Principal/Practice Leader. The scope for phases I and II included the replacement of 87 bridges throughout fourteen Parishes in Northern Louisiana. The bridge lengths ranged from 20' to 340'. TJ leads the coordination effort with the engineering, environmental, and survey discipline leaders to ensure effective project delivery.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Principal/Practice Leader. This contract includes the replacement of 12 Off System Bridges and their adjacent roadways throughout central Louisiana. The existing bridge lengths range from 40' to 135' and the sites include cross drains, box culverts, and RC slab span bridges. TJ coordinates with the engineering, environmental, and survey discipline leaders to ensure effective project delivery.
12/23 – Ongoing	**S.P. No. H.015555, LA 1077 & Brewster Rd Roundabout; LADOTD / St. Tammany Parish; Madisonville, LA** – Principal/Practice Leader. Responsible for ensuring multi-disciplinary quality management plans and overall quality of work for LADOTD and St. Tammany Parish for the roundabout located at the intersection of LA 1077 and Brewster Road. TJ leads communication efforts with St. Tammany Parish and LADOTD and coordinates with the engineering and survey discipline leaders to ensure project delivery.

16. Staff Experience: TJ Stokes, PE | T. Baker Smith, LLC - continued	
05/24 – Ongoing	**23-EN-HC-0029, Highland Road at Pecue Lane; City of Baton Rouge and Parish of East Baton Rouge; East Baton Rouge Parish, LA** — Principal/Practice Leader. Responsible for ensuring quality management plans, and quality of work across engineering design, surveying, and environmental disciplines for this multi-discipline project. Project scope includes the analysis of the existing 2-way stop condition intersection and construction plan development for intersection improvements. TJ is accountable for the development of Project Management Plan and Work Plan submitted to the client.
11/23 - Ongoing	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Principal/Practice Leader. TJ coordinates between engineering design and surveying leaders and is responsible for the management of task order execution for this Urban Roundabout project located in Livingston Parish. Project scope includes the surveying and engineering design of a single-lane roundabout at the existing stop-controlled intersection.
05/23 - 09/23	**S.P. No. H.010557, Lajaunie Rd./Lateral I Bayou St. Clair; LADOTD; Lafayette Parish, LA -** Practice Leader. TJ led the coordination effort between the engineering team and LADOTD to ensure successful delivery of Final Tracings submittal following Parish-specific requests for this Off-System Bridge project. TJ also oversaw the coordination between Parish and TBS surveying to ensure right-of-way staking was completed to Parish's requirements.
05/21 – 03/24	**S.P. No. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA** — Project Manager/Engineer of Record. Responsible for all Subsurface Utility Engineering and Utility Coordination. Oversaw all Quality Level B and Quality Level A SUE services and performed QA/QC on the topographic survey submitted to LADOTD to ensure compliance with ASCE 38-02. Reviewed all utility coordination procedures including conflict matrix and conflict plan creation. **(Location: LADOTD District 07)**
11/21 – 02/22	**S.P. No. H.014670.5, LA 1270: LA 77 to End of Control Section; LADOTD; Iberville Parish, LA** — Contract administrator/Engineer of Record. Responsible for all Subsurface Utility Engineering Quality Level B services and performed QA/QC on the topographic survey performed by LADOTD to ensure compliance with ASCE 38-02. LADOTD Location and Survey field staff performed the topographic survey and we ensured a smooth working environment for data collection.
03/21 – 01/22	**Move Ascension, LA 44 & Parker Roundabout, Subsurface Utility Engineering; Ascension Parish Government; Ascension Parish, LA** — Lead Professional. Provided Subsurface Utility Engineering for the LA 44 & Parker Roundabout as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.
02/22 – 05/22	**Move Ascension Parker Road and LA 929 Widening; Ascension Parish Government; Ascension Parish, LA** — Lead Professional. Provided Subsurface Utility Engineering for the Parker Road and LA 929 Widening project as part of the Move Ascension Program. Quality Level B services were provided throughout the project limits to determine the horizontal location of utilities to assist with the roadway design. Quality Level A test holes were also provided to provide vertical information where utilities would conflict with roadway or drainage design.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Andrée Cortez, PE, PMP**	Years of relevant experience with this employer	**13**
Title	**Chief Operations Officer**	Years of relevant experience with other employer(s)	**12**

Degree(s) / Years / Specialization			**Bachelor of Science / 1999 / Industrial Engineering**
Active registration number / state / expiration date			**PE.31523 / Louisiana / 03.31.2025**
Year registered	**2004**	Discipline	**Civil Engineering**

Contract role(s) / brief description of responsibilities: **Supervisor Engineer. Andrée will provide QA/QC expertise and satisfies MPR #2.**

Andrée Cortez, PE, PMP is Chief Operations Officer at TBS with over 25 years of experience in civil and structural engineering design, project management, and executive leadership. Andrée's project management and design experience encompasses all areas of public works, including the design of roadways and bridges, levees, drainage and flood protection systems, steel structures, concrete foundations, and utilities. Today, Andrée manages the daily business activities of the operations sector of the firm and uses her expertise to consult and provide quality control on larger projects. Andrée holds the Project Management Professional (PMP # 2591855) certification.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/22 - 05/23	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Principal, QA/QC Lead. Andrée is the QA/QC Lead for the District 08 IIJA Off-System Bridge Replacement Project. She has provided oversight for QA/QC of all civil scope and engineering tasks. Andree is responsible for overseeing engineering staffing and inter-discipline coordination for the survey, environmental, and engineering groups.
08/20 - Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Principal, QA/ QC Lead. Andrée is the QA/QC Lead for all TBS transportation projects. She has provided oversight for QA/QC of all civil scope and engineering tasks. She coordinates with staff on engineering and design, topographic, bathymetric, and boundary surveying, channel alignment analysis, and construction documents. Andrée provides direct supervision of roadway and bridge design for these projects.
09/14 - 08/16	**S.P. No. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41); LADOTD; St. Tammany Parish, LA** – Principal. Supervising engineer for preliminary and final roadway design including H&V alignments, drainage, and R-Cut and median U-turns for a new, 5.5 mile, 4-lane, divided median, Rural Arterial Roadway from LA 435 to LA 40/41 near Bush, LA. Also provided Quality Control of the 100% Final Plan Submittal and reviewed the Final Cost Estimate and Calculations Book.

16. Staff Experience: Andrée Cortez, PE, PMP | T. Baker Smith, LLC - continued	
11/23 - Ongoing	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Principal, QA/ QC Lead. Andrée is the QA/QC Lead for all the Task Orders associated with the LADOTD Roadway Design Services Statewide IDIQ, including the LA 447 & LA 1025 Roundabout. She oversees the QA/QC procedures and processes and project staffing for this multi-disciplinary project (survey and design).
05/24 – Ongoing	**23-EN-HC-0029, Highland Road at Pecue Lane; City of Baton Rouge, East Baton Rouge Parish, LA** — Principal, QA/ QC Lead. Andrée is the QA/QC Lead for the Highland Road at Pecue Lane Roundabout project. She ensures implementation of the internal quality assurance procedures to ensure successful project delivery to East Baton Rouge City-Parish for this MOVEBR project. Andree provides oversight for project staffing across three disciplines and coordinates contract executions between other sub consultants.
02/17 – 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** — Principal. Andrée oversaw all bridge design tasks for the widening of I-12 bridges over the Tammany Trace. Andrée oversaw bridge plan production including partial demolition plans and construction phasing for the four-mile Interstate widening project.
03/17 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** — Principal. Supervised all bridge and roadway design tasks for the widening of LA 20 which included the split-phase construction sequencing plans. Andree supervised and provided QA/QC for superstructure and substructure design, construction phasing plans and details, foundation plans, and roadway plans.
02/20 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** — Principal, QA/QC Lead. Andrée coordinated and managed the project team. She provided project oversight and QA/QC for deliverables for all project tasks to ensure client satisfaction.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Kenny Belou, PE**	Years of relevant experience with this employer	**2**
Title	**Lead Professional, Transportation**	Years of relevant experience with other employer(s)	**17**

Degree(s) / Years / Specialization			**Bachelor of Science / 2009 / Civil Engineering**
Active registration number / state / expiration date			**PE.38850 / Louisiana / 09.30.2026**
Year registered	**2014**	Discipline	**Civil Engineering**

Contract role(s) / brief description of responsibilities: **Supervisor Engineer. Kenny will serve as Project Manager for the project.**

Kenny Belou, PE is TBS' engineering lead professional for our transportation practice. His duties include overseeing engineering execution for transportation related projects including design activities, report preparation, construction documents, construction administration, and client satisfaction. He has nearly 20 years of experience designing projects in accordance with LADOTD's Road Design Manual, Off-System Highway Bridge Program Guidelines, Hydraulics Manual, Bridge Design and Evaluation Manual, AASHTO's Geometric Design of Highways and Streets, and the LADOTD Standards and Specifications for Roads and Bridges.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Supervisor Engineer. This project included the replacement of 12 Off System Bridges and their adjacent roadways throughout LADOTD District 08. The existing bridge lengths range from 40' to 135' and the sites include cross drains, box culverts, and RC slab span bridges. Kenny is the overall project manager and supervisor engineer, responsible for complete contract and schedule execution. He is also responsible for quality control of all design elements including bridge, roadway, and hydraulic design. He works in constant coordination with internal task managers, the LADOTD project manager, District & Area engineers, and sub-consultants to ensure on time and complete deliverables.
10/22 - Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** - Overall Project Manager. The scope for phases I and II included the replacement of 87 bridges throughout fourteen Parishes in Northern Louisiana. The bridge lengths ranged from 20' to 340'. Kenny is responsible for construction support for Phase I bridge projects and responsible for contract execution for Phase II. He is also responsible for quality control of all design elements including roadway design, hydraulic design, and bridge design. He works in constant coordination with internal task managers, the LADOTD project manager, and subconsultants for this fast-paced project.
01/23 - 04/24	**S.P. No. H.010557, Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA –** Engineer of Record (Road) / Supervisor Engineer (Bridge). Kenny served as the engineer of record for the roadway portion of the LADOTD Off-System Bridge project to construct a Quad Beam & Slab Span Concrete Bridge and was the supervisor engineer for the bridge design, providing quality assurance and quality control reviews. He coordinated with LADOTD's Project Manager to ensure project met requirements of Lafayette Consolidated Government.

16. Staff Experience: Kenny Belou, PE | T. Baker Smith, LLC - continued

10/22 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Engineer of Record (Road) and Project Manager. Kenny was responsible for the asymmetrical widening of 2.7 miles of LA 20 to add 8' shoulders near Vacherie, LA. Project scope included horizontal and vertical geometry, drainage design (subsurface and open ditch), cross section roadway elements, and permanent signing and pavement markings. Provided quality control review of bridge plan set ensuring compliance with LADOTD standards and coordination with in-construction state project located within the project limits. Coordinated with LADOTD project manager, LADOTD pavement design section, LADOTD hydraulic section, and subconsultants to ensure project delivery meeting all necessary standards and coordinated with adjacent project. Oversaw the design of required utility relocations required for the roadway project along the corridor as a separate project let through St. James Parish.
11/22 – Ongoing	**MA-17-01, Roddy Road Widening (LA 935 to LA 621); Ascension Parish Government; Ascension Parish, LA –** Supervisor Engineer. Kenny is the supervisor engineer for the 1.5-mile road widening project in Ascension Parish. He is responsible for the quality assurance, quality control, and project delivery for the local urban collector roadway project, which also included the design of a 120' slab span bridge replacement. The project follows all LADOTD design guidelines and project milestones for project delivery. Kenny coordinates with engineering sub-consultants, Ascension Parish staff, and the City of Gonzales for coordination for successful project delivery.
03/23 - Ongoing	**S.P. No. H.013199, Country Estates Dr. Over St. Louis Bayou; LADOTD; Terrebonne Parish –** Supervisor Engineer. Kenny serves as the supervisor engineer for this Off-System Bridge project in Terrebonne Parish. Kenny is responsible for the quality control of all design elements and is also responsible for project execution. He coordinates between Terrebonne Parish, LADOTD, and internal TBS teams. This project is currently at Advanced Check Prints and is awaiting the Parish's right-of-way acquisition prior to Final Tracings.
01/23 - Ongoing	**S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish/LADOTD; St. Tammany Parish, LA –** Supervisor Engineer/Project Manager. Kenny is the supervisor engineer for this IIJA-funded off system bridge replacement project in St. Tammany Parish. He is responsible for coordination between LADOTD, St. Tammany Parish, and TBS. He is also responsible for overseeing plan development and project execution. Final Plan development is currently awaiting environmental clearance.
03/23 - Ongoing	**US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA -** Project Manager. The project scope includes the design and construction of a new 1,400-foot bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. The project also includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. As project manager, Kenny is responsible for the construction administration.
11/23 - Ongoing	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA –** Supervisor Engineer. Kenny is the supervisor engineer for this roundabout project in Livingston Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban single lane roundabout. 100% Preliminary Plans were delivered to LADOTD on schedule in October 2024.
10/24 - Ongoing	**S.P. No. H.015721, LA 30: Roundabout @ St Elizabeth/ S Penn; LADOTD; Ascension Parish, LA –** Supervisor Engineer. Kenny is the supervisor engineer for this roundabout project in Ascension Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban multi-lane roundabout.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Daniel Binet, PE**	Years of relevant experience with this employer	**11**
Title	**Lead Transportation Engineer, Bridges**	Years of relevant experience with other employer(s)	**0**

Degree(s) / Years / Specialization			**Bachelor of Science / 2014 / Civil Engineering**
Active registration number / state / expiration date			**PE.42997 / Louisiana / 03.31.2025**
Year registered	**2018**	Discipline	**Civil Engineering**

Contract role(s) / brief description of responsibilities: **Engineer. Daniel will lead bridge design for the project and satisfies MPR #3.**

Daniel Binet, PE is the Lead Transportation Engineer, Bridges at TBS with over 11 years of experience in civil and structural engineering. His experience includes project/task management, roadway design, urban and rural bridge replacement and rehabilitation design, bridge widening, bridge inspection, structural analysis, split phase construction sequencing, hydrologic/hydraulic analysis, construction support, and development of construction quantities and estimates. Daniel is very familiar with the LADOTD Off System Bridge Guidelines, AASHTO LRFD Bridge Design Specifications, AASHTO geometric and roadside design guides, LADOTD Bridge Design & Evaluation Manual, LADOTD plan preparation guidelines, and LRFR bridge rating procedures. He is also experienced in using AASHTO BrR, STAAD Pro V8i, LEAP CONSPAN structural analysis software, AutoCAD, MicroStation, InRoads and CADConform.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Engineer of Record/Project Manager. The overall project scope for this projects includes the replacement of 47 bridges throughout 10 Parishes in Louisiana under an expedited schedule. The bridge lengths ranged from 20' - 340'. As project manager, Daniel performed QC review of topographic surveys & served as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including LG-25 girders, RC slab spans, & box culverts. Daniel is also providing bridge and structural construction support for contractor submittals and requests for information.
08/20 - Ongoing	**Contract 44-17598, Rural Bridge Replacement Initiative, Ph I (47 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Engineer of Record/Project Manager: The project scope includes replacing 40 bridges across 6 parishes in Louisiana on an expedited schedule, with bridge lengths ranging from 20 to 240 feet. As project manager, Daniel conducted QC reviews of topographic surveys and served as the EOR for bridge and road elements, including hydraulic analysis, scour, horizontal and vertical alignments, bridge TS&L, structural design, and load rating for all structures, including reinforced concrete slab spans and box culverts. Daniel also provides general construction support as necessary.
05/21 - Ongoing	**Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Engineer of Record/Project Manager. The project scope for phase II included the replacement of 40 bridges throughout 14 Parishes in Louisiana under an expedited schedule. The bridge lengths ranged from 20' - 340'. As project manager, Daniel performed QC review of topographic surveys & served as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including LG-25 girders, RC slab spans, & box culverts. Daniel is also providing bridge and structural construction support for contractor submittals and requests for information.

16. Staff Experience: Daniel Binet, PE | T. Baker Smith, LLC - continued	
01/23 - 04/24	**S.P. No. H.010557, Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA –** Project Engineer/Engineer of Record (Bridge). Daniel provided hydraulic design, structural analysis, and prepared preliminary plans and final plans for the replacement of the existing structure with a 3-span curved bridge utilizing reinforced concrete slab spans and a quad beam girder span. The spot replacement also included upgrades to RL-3 criteria.
03/23 - Ongoing	**S.P. No. H.013199, Country Estates Dr. Over St. Louis Bayou; LADOTD; Terrebonne Parish –** Engineer of Record. As the Engineer of Record, Daniel plays a pivotal role in ensuring the project's success. His responsibilities include conducting hydraulic and hydrologic analyses to ensure the bridge's resilience against local flow conditions, performing structural design, and utilizing standard plans to meet all necessary specifications. Daniel is also responsible for designing horizontal and vertical geometry and directing and providing QC efforts for detailed roadway models. He is currently providing support during the Right-of-Way acquisition process, assisting the parish in securing the necessary land for the project.
01/23 - Ongoing	**S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish/LADOTD; St. Tammany Parish, LA –** Engineer of Record. Daniel is the Engineer of Record for the bridge components of this IIJA-funded off-system bridge replacement project in St. Tammany Parish. He is responsible for structural design, analysis, and appropriate utilization of LADOTD standard plans and details. Daniel oversees plan development and provides QC efforts for all plan sheets. Currently, the final plan development is awaiting environmental clearance, a crucial step before moving forward with the project.
11/18 - 09/22	**S.P. No. H.013144, Pine Bluff Rd./Drain to Cypress Creek & Tack Allen Rd./Drain to Cypress Creek Bridge Replacements; LADOTD; Ouachita Parish, LA –** Engineer of Record. Daniel served as the Engineer of Record for the Ouachita OSBR project, which involved the replacement of two bridges located on Pine Bluff Rd. and Tack Allen Rd. His extensive responsibilities encompassed vertical and horizontal alignment design, ensuring the new structures integrated seamlessly with the existing roadways, utilizing standard plans where applicable and completed structural design and analysis for a RC slab bridge and a RC box culvert. He also verified the proposed structure hydraulic capacity of both structure types and oversaw the production of the plan set. Daniel provided QC efforts for all plan sheets, including both road and bridge components.
04/18 – 06/19	**West 11th Avenue Bridge Replacement; City of Covington; Covington, LA** – Engineer of Record. Daniel performed all bridge design tasks for the replacement of an urban arterial multi-span reinforced concrete slab span bridge with attached utility conveyance. He completed superstructure and substructure design using various programs including STADD ProV8i, prepared structure details, foundation plans, and led overall bridge plan production. Additionally, Daniel assisted with approach roadway design and tasks including sequencing and plan production.
09/15 – 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** – Engineer of Record / Project Engineer. Daniel performed bridge design and plan preparation for the widening of Ponchitolawa Creek (EB & WB) and Tammany Trace (EB & WB) bridges utilizing AASHTO Type III prestressed girders and reinforced concrete slab spans with varying skew and span lengths. The design was completed using LEAP CONSPAN, STAAD and AASHTO BrR for load rating. He managed production and produced plans and details for the widening which included partial bridge demolition, foundation plans, split phase construction sequencing, widened substructure and superstructure details, and quantity breakdowns. Additionally, he assisted with roadway design including geometrics and drainage. Once the plans were submitted, Daniel provided construction support for RFIs, shop drawing submittals, and general coordination.
07/20 - Ongoing	**North Columbia Bridge Replacement; City of Covington; St. Tammany Parish, LA –** Daniel's responsibilities as EOR include conducting hydraulic and hydrologic analyses to ensure the bridge's resilience against flow conditions, designing horizontal and vertical geometry and creating detailed roadway models. This bridge has an integrated Pedestrian Walkway, adding an extra layer of complexity to the structural analysis and design. Daniel oversaw the development of structural detailing and utilized various structural analysis programs such as OpenRoads and STAAD. This project is currently in 95% Final Plans and Daniel will provide Construction Support as necessary once the project is let.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Kelly Radecker, PE**	Years of relevant experience with this employer	**5**
Title	**Lead Transportation Engineer, Roads**	Years of relevant experience with other employer(s)	**5**

Degree(s) / Years / Specialization			**Bachelor of Science / 2014 / Civil Engineering**
Active registration number / state / expiration date			**PE.43919 / Louisiana / 03.31.2026**
Year registered	**2019**	Discipline	**Civil Engineering**

Contract role(s) / brief description of responsibilities: **Engineer. Kelly will lead road design engineering for the project.**

Kelly Radecker, PE is the Lead Roadway Engineer for our Transportation Engineering team. Kelly will serve as the overall road design lead for T. Baker Smith. Prior to joining T. Baker Smith, **Kelly gained valuable transportation experience while employed by LADOTD.** Kelly is notably experienced in design of roadway widening, roundabouts, drainage, and bridge replacement and reconstruction in accordance with LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Hydraulics Manual, and DOTD plan preparation guidelines. She is familiar with AASHTO standards and guidelines. She is skilled in development of roadway models and design, hydraulic analysis, and sign design utilizing MicroStation, InRoads, AutoTURN, Torus, HYDRWIN, GeoHECRAS, and SignCAD.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 – Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (47 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Engineer of Record/Project Engineer. Kelly is the Lead Road Engineer for the design and plan production of 47 bridge replacements and serves as Engineer of Record for 10 of these. The replacements were split into 15 State Projects and are located throughout Central and North Louisiana. Prior to design, she conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Kelly is responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometrical layouts, summary sheets and cost estimates. Kelly reviewed and assisted in the submission of all environmental deliverables including wetland delineations. Kelly oversaw the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.
08/20 – Ongoing	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Engineer of Record/Project Engineer. Kelly is the Lead Road Engineer for the design and plan production of 40 bridge replacements, acting as Engineer of Record for 15 of them. These replacements are part of 12 State Projects spread across Louisiana. Before starting the design, she conducted site visits, compiled survey field packs and request forms, and reviewed topographic survey deliverables. Kelly is responsible for developing all road and bridge design elements, including horizontal and vertical alignments, bridge hydraulic design, roadway cross-sections, guardrail calculations, geometrical layouts, summary sheets, and cost estimates. She also reviewed and assisted in submitting all environmental deliverables, including wetland delineations. Additionally, Kelly oversaw the development of all project documentation, such as Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.

16. Staff Experience: Kelly Radecker, PE | T. Baker Smith, LLC - continued	
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of three Off System Bridge Replacements throughout central Louisiana. Kelly is responsible for developing roadway and bridge geometrics including H&V alignment, cross sectional elements, drainage design and analysis. She oversees Inroads modeling, quantity calculations, and bridge layouts. Kelly is also providing quality control of all design and plan elements for the remaining replacement projects.
09/22 - Ongoing	**S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish Government; St. Tammany Parish, LA –** Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of a bridge replacement in St. Tammany Parish. She is responsible for developing roadway and bridge geometrics including H&V alignment, cross sectional elements, drainage design and analysis, she oversees Inroads modeling and quantity calculations and bridge layout. Kelly is also providing quality control of all design and plan elements.
05/19 – 06/21	**S.P. No. H.004113, I-12 to Bush: LA 3241: LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA** – Project Engineer. The project scope included the design and construction of approximately 5.5 miles of roadway on virgin terrain consisting of four lanes with inside and outside shoulders and a depressed median. The project also included the coordination of design and construction of a 500' bridge over Talisheek Creek. Kelly provided design support for roadway design and plan production, as well as performed quality control of inroads modeling, provided assistance in quantity take-off calculations, reviewed roadway design plan sheets including Typical Section, Plan & Profile Sheets, and Geometric Layout Sheets, and reviewed permanent signing layout plans (including development of non-standard signs using SignCAD). She also drafted design exceptions and waivers and responded to comments from LADOTD on plan production, as well as performed quality control of R/W Maps to ensure concurrence with Construction Plans.
12/19 – Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** – Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 621 and Roddy Rd. She is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, drainage design, typical sections, sequence of construction, pay item compilation and quantity take-offs. Kelly created design report forms and cost estimates as well as assisted in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings. She also coordinated with subconsultants and provided quality control of design elements performed by the subconsultant including lighting plans.
11/23 – Ongoing	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. She was responsible for the job planning, including preliminary schematic layouts and defining the project limits. She is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Kelly is responsible for creating design report forms as well as assisting in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings.
01/23 - 04/24	**S.P. No. H.010557 Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA –** Project Engineer. Kelly provided roadway design and prepared preliminary plans and final plans for the roadway geometrics including H&V alignments, cross sectional elements, drainage design and analysis, and quantity calculations.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Daniel Fontenelle, EI**	Years of relevant experience with this employer	**3**
Title	**Engineer Intern, Transportation**	Years of relevant experience with other employer(s)	**0**

Degree(s) / Years / Specialization			**Bachelor of Science / 2021 / Civil Engineering**
Active registration number / state / expiration date			**EI.34921 / Louisiana / 03.31.2026**
Year registered	**2021**	Discipline	**Civil Engineering Intern**

Contract role(s) / brief description of responsibilities: **Engineer Intern. Daniel will assist with bridge design for the project.**

Daniel Fontenelle, EI has over three years of experience in civil engineering, with expertise in off-system and on-system bridge design and bridge inspections by assisting in the plan production and design of over 80 bridge sites and inspection of over 40 bridges. He is proficient in MicroStation and utilizes GeoHECRAS, STAAD, BrR, LEAP Bridge programs.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Project Engineer. Daniel provides design and plan production for several sites of the twelve off-system bridge replacements (9 state projects) throughout LADOTD District 08. In addition to the typical bridge design elements, Daniel also designs the H&V alignments, typical sections, roadway cross section elements, geometric layouts, and cost estimate preparation. He also drafts design exceptions for site specific limitations. Daniel performs hydraulic analysis including the calculation of peak discharge at the bridge structure.
06/21 – Ongoing	**Contract No. 4400017598, Rural Bridge Phase 1, LADOTD, Districts 04, 05, 08, & 58, Statewide, LA –** Project Engineer. For the Rural Bridge Phase I project, Daniel is engaged in a variety of tasks that encompass both road and bridge design to replace 47 bridges across Louisiana. He is responsible for producing engineering drawings and plan sets, developing horizontal and vertical roadway alignments, and interpreting LADOTD standard plans. His work also includes performing bridge calculations, designing rebar layouts and guardrails, and quantifying bridge and roadway elements. Additionally, Daniel compiles and develops load rating reports, cost estimates, and attends client meetings to discuss project status and address any questions. His comprehensive involvement ensures that all aspects of the project are meticulously planned and executed.
06/21 – Ongoing	**Contract No. 4400019336, Rural Bridge Phase 2, LADOTD, District 04 & 05, Statewide, LA –** Project Engineer. Daniel is involved in a range of tasks that cover both road and bridge design to aid in the replacement of 40 structures throughout Louisiana. He is producing engineering drawings and plan sets, developing horizontal and vertical roadway alignments, and interpreting LADOTD standard plans. His responsibilities also include performing bridge calculations, designing rebar layouts and guardrails, and quantifying bridge and roadway elements. Additionally, Daniel compiles and develops load rating reports, cost estimates, and attends client meetings to discuss project status and address questions. His comprehensive involvement ensures meticulous planning and execution of all project aspects.

16. Staff Experience: Daniel Fontenelle, EI | T. Baker Smith, LLC - continued	
09/22 - Ongoing	**S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish Government; St. Tammany Parish, LA –** Bridge Design Project Engineer. Daniel assists with design and plan preparation of a bridge replacement in St. Tammany Parish. He assists with developing roadway and bridge geometrics including H&V alignment, cross sectional elements, and drainage design and analysis.
01/23 - 04/24	**S.P. No. H.010557 Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA –** Project Engineer. Daniel assisted with roadway design including H&V alignments, cross sectional elements, drainage design and analysis, and quantity calculations.
07/21 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Project Engineer. Daniel assisted in plan and detail development, quantifying bridge & roadway elements, & reviewing structural drawings.
08/21 - 12/24	**North Columbia Bridge Replacement; City of Covington; St. Tammany Parish, LA –** Project Engineer. Daniel is serving as project engineer for this bridge replacement project located in the City of Covington. He assisted with the design for the substructure and superstructure of the two lane bridge located in an urban area. He also completed the design effort to widen the bent to accommodate the relocated waterline after the City determined to attach the waterline to the bridge in lieu of boring below the channel. 95% Final Plans were delivered to the City on schedule.
07/21 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA –** Project Engineer. Assisting by producing engineering drawings and plan sets, LADOTD standard plans, performing roadway calculations, design of drainage structures, performing quantity calculations, and assisting in the design of the sequence of construction.
11/22 - Ongoing	**MA-17-01, Roddy Road Widening (LA 935 to LA 621); Ascension Parish Government; Ascension Parish, LA –** Project Engineer. Daniel is a project engineer for the 1.5mile road widening project and bridge replacement project in Ascension Parish. Daniel provided design elements for this local urban collector road, including drainage design. Daniel also provided design support for the bridge replacement and bridge calculations. The project follows all LADOTD design guidelines and project milestones for project delivery. 100% Final Plans have been delivered to the Parish and the project is awaiting funding.
11/23 - Ongoing	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Project Engineer. Daniel serves as the project engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. He designs several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Daniel has also assisted in creating design report forms.
03/23 - Ongoing	**US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA -** Project Engineer. The project scope includes the design and construction of a new 1,400-foot bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. The project also includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. Daniel is assisting with construction administration.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH

Name	**Lisa Osborne**	Years of relevant experience with this employer	**10**
Title	**Senior Project Designer**	Years of relevant experience with other employer(s)	**33**

Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	

Contract role(s) / brief description of responsibilities: **Senior Technician. Lisa will serve as Senior Project/CAD Designer.**

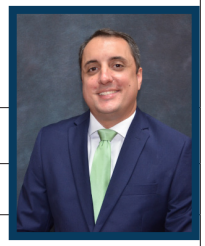
Lisa Osborne is a Senior Project Designer with over 43 years of CAD experience in civil, transportation, and structural engineering. She has extensive experience using MicroStation for roadway and structural projects. **Lisa has over 30 years of experience using InRoads for developing horizontal and vertical alignments** including generating templates to develop roadway sections and earthwork volumes for multi-lane interstate facilities and roundabout intersections. She has prepared complete sets of drawings for construction on numerous LADOTD projects. Lisa's advanced modeling skills include superelevation design and implementation, complete corridor modeling, berms and sidewalks, bridge embankment and revetment layouts, open ditch and subsurface drainage, and complex roundabout design. Lisa has completed the CAD conform training provided by LADOTD and is proficient in LADOTD's standards of roadway plan preparation. She is skilled in all current versions of MicroStation, InRoads, AutoTURN, and Torus.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Senior Project Designer. Assisted with roadway geometric design including H&V alignments, bridge modeling including embankment and revetment layout. performed advanced roadway design modeling including complete corridor modeling using MicroStation/InRoads, transitions, all cross sectional roadway elements, open ditches, prepared roadway plans using MicroStation, InRoads, CADConform and AutoTURN.
08/20 – Ongoing	**Contract No. 4400017598, Rural Bridge Phase 1, LADOTD, Districts 04, 05, 08, & 58, Statewide, LA** – Senior Project Designer. In her role as Senior Project Designer for the Rural Bridge Phase I project, Lisa is deeply involved in various aspects of roadway and bridge design to replace 47 bridges across central and north Louisiana. She assists with roadway geometric design, including horizontal and vertical alignments, and embankment and revetment layout. Lisa performs advanced roadway design, including complete corridor modeling for transitions and all cross-sectional roadway elements, such as open ditches and subsurface drainage. She prepares roadway and bridge plans using MicroStation and CADConform while utilizing InRoads and AutoTURN to ensure comprehensive and precise design. All of this work was successfully completed under an expedited timeframe.
08/20 – Ongoing	**Contract No. 4400019336, Rural Bridge Phase 2, LADOTD, District 04 & 05, Statewide, LA** – Senior Project Designer. As Senior Project Designer, Lisa is extensively involved in the design of roadway and bridge elements for the replacement of 40 bridges throughout Louisiana. She aids in roadway geometric design, including horizontal and vertical alignments, as well as embankment and revetment layout. Lisa is responsible for handling advanced roadway design, including complete corridor modeling for transitions and all cross-sectional roadway elements utilizing custom templates based on LADOTD design guidelines. She helps prepare road and bridge sheets using MicroStation and CADConform while using InRoads and AutoTURN to ensure comprehensive and precise design.

16. Staff Experience: Lisa Osborne | T. Baker Smith, LLC - continued	
09/17 - 9/23	**S.P. No. H.010557 Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA –** Senior Technician. Lisa served as the Senior Technician on this project. Lisa was responsible for the CAD drafting work for the Final Tracings submitted for this Off-System bridge located in Lafayette. Lisa's work also included assisting with quantity takeoffs. This project is currently awaiting a detour route to become available prior to construction.
03/23 - Ongoing	**S.P. No. H.013199, Country Estates Dr. Over St. Louis Bayou; LADOTD; Terrebonne Parish –** Senior Technician. Lisa serves as the Senior Technician for this Off-System bridge project in Terrebonne Parish. She is responsible for the roadway model, preparing cross sections, and cutting plan sheets. She assists with quantity takeoffs for road and bridge elements.
02/18 - Ongoing	**S.P. No. H.001344, US 190: LA 437 to US 190 Bus (Ph 1); LADOTD; St. Tammany Parish, LA** - Senior Project Designer. Develop horizontal and vertical alignments for use in developing the model. Prepare cross sections, volumes, quantities and general plan development. Assist in the development of required retaining walls and revetments for the bridge.
10/16 – 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** – Senior Project Designer. Assisted with roadway geometric design including H&V alignments, performed advanced roadway design modeling including complete corridor modeling using MicroStation/InRoads, modeling of median barriers, transitions, all cross sectional roadway elements, open ditches and interchange elements, modeling of construction phasing for Level 4 Traffic Management Plans, prepared roadway plans using MicroStation, InRoads, CADConform and AutoTURN for the four-mile widening and reconstruction of Interstate 12 in Covington, LA.
10/14 – 06/21	**S.P. No. H.004113, I-12 to Bush: LA 3241: LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA** – Senior Project Designer. Performed topographic survey data processing and deliverable preparation, roadway designer activities including roadway corridor modeling of roadway surface, open ditches, median cross overs and intersections utilizing Inroads and roadway plan production for the new 5.5-mile, four-lane RA-3 roadway from LA 435 to Bush, LA.
01/23 - Ongoing	**S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish/LADOTD; St. Tammany Parish, LA –** Senior Project Designer. Lisa serves as the Senior Technician for the Keller Street Bridge Replacement project in St. Tammany Parish. This project is funded through the IIJA program. She is responsible for the roadway and corridor model, preparing cross sections, and cutting plan sheets. Additionally, she assists with quantity takeoffs for road and bridge elements.
11/18 - 09/22	**S.P. No. H.013144, Pine Bluff Rd./Drain to Cypress Creek & Tack Allen Rd./Drain to Cypress Creek Bridge Replacements; LADOTD; Ouachita Parish, LA –** Senior Technician: Lisa served as the Senior Technician for the Ouachita OSBR project, which involved the replacement of two bridges located on Pine Bluff Rd. and Tack Allen Rd. Her responsibilities encompassed roadway alignment design, corridor and template modeling, cross section development, and road and bridge plan development. Lisa also aided with the development of quantities and quantity breakdown tables.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**Jean Reulet, III, PLS**	Years of relevant experience with this employer	**3**
Title	**Senior Project Manager**	Years of relevant experience with other employer(s)	**13**

Degree(s) / Years / Specialization			**Bachelor of Science / 2011 / Geomatics**
Active registration number / state / expiration date			**PLS.5145 / Louisiana / 03.31.2026**
Year registered	**2015**	Discipline	**Professional Land Surveyor**

Contract role(s) / brief description of responsibilities: **Surveyor. Jean will manage all surveying elements for the project and satisfies MPR #4.**

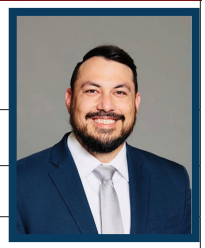
Jean Reulet, III, PLS has served in various roles as a professional land surveyor since 2011. His field experience for **LADOTD projects began in 2011 where he has been involved in dozens of survey projects of various sizes across the State of Louisiana.** He has participated in all stages of Topographic Survey and Right of Way Map preparation from field data collection to final deliverables according to the LADOTD's Location and Survey Manual. This experience has enabled Jean to develop a very thorough QA/QC process which has been used to train a highly skilled project team. Jean is experienced in the use of cutting-edge technology such as terrestrial and mobile LIDAR methods for collecting topographic and structural data in an efficient and safe manner.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Sr. Project Manager/Surveyor of Record. Oversaw the completion of topographic surveys, property surveys, and right of way maps for the replacement of 12 bridges. Responsible for field crew coordination, project QA/QC, title research, and deliverables preparation. Surveys were performed to LADOTD Location and Survey standards.
09/21 – 01/23 Ph I	**Contract 44-17598, Rural Bridge Replacement Initiative, Ph I (47 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Survey Project Manager. Coordinated field crews, processed data daily, and provided QA/QC of deliverables. TBS performed control, topographic, and right of way surveys for the replacement of 47 bridge structures in northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into to existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed and QA/QC performed and coordinated with in-house engineers designing the replacement bridges. Property surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines portrayed on right of way maps.
07/21 – 05/23 Ph II	**Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Survey Project Manager. Coordinated field crews, processed data daily, and provided QA/QC of deliverables. TBS performed control, topographic, and right of way surveys for the replacement of 40 bridge structures in northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into to existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed and QA/QC performed and coordinated with in-house engineers designing the replacement bridges. Property surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines portrayed on right of way maps.

16. Staff Experience: Jean Reulet, III, PLS | T. Baker Smith, LLC - continued	
04/21 - 06/21*	**H.014322, Centurion over Drainage Bayou, Topographic Survey; LADOTD; Baton Rouge, LA –** Survey Manager. Managed field crews, performed title research, data processing, QAQC and prepared topographic survey deliverables for the design and construction of a bridge in Baton Rouge, LA.
04/21 - 06/21	**H.014255, Beeson Road Over Flagon Bayou Tributary, Topographic Survey; LADOTD; Ball, LA –** Survey Manager. Managed field crews, performed title research, data processing, QAQC and prepared topographic survey deliverables for the design and construction of a bridge in Ball, LA.
12/21 - 02/22	**Lock No. 3 Road Bridge, Topographic Survey; St. Tammany Parish; St. Tammany Parish, LA –** Project Manager. Managed field crews, performed title research, data processing, QAQC and prepared topographic survey deliverables according to LADOTD Off System Bridge guidelines for the design and construction of a bridge in Sun, LA.
01/23 - 06/23	**Country Estates Dr. Over St. Louis Bayou; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA –** Project Manager. Performed Title Research and Prepared Right of Way maps for the Replacement of a bridge on Country Estates Drive in Terrebonne Parish, LA.
09/22 – 08/23	**S.P. No. H.014414, LA 22: Bedico Creek–Pine Creek; LADOTD; St. Tammany Parish, LA** – Sr. Project Manager. Performed field crew coordination, data processing, project QA/QC and management for Topographic Survey and Existing Drainage Map. Project involves the widening of LA 22 and improvements to the intersection of LA 22 and Perrilloux Road.
08/22 - 08/24	**MA-20-01: Move Ascension, Bluff Road, LA 73 Connector, Ascension Parish Government, Ascension Parish, LA** – Project Manager. Provided Topographic surveying and Right-of-Way mapping for the Bluff Road – La 73 Connector Project as part of the Move Ascension Program. The survey was approximately 7,000 feet long and as wide as 300 feet for the design of a roadway to connect LA 73 and Bluff Road.
11/23 - 06/24 (survey complete)	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Sr. Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performed Topographic survey for the design and construction of a roundabout at the intersection LA 447 and LA 1025 near Walker, Louisiana.
07/21 – 01/22	**S.P. No. H.013116, LA 20 Widening: LA 307 to S. Vacherie, LADOTD, St. James & Lafourche Parishes, LA** – Project Surveyor. Performed quality control for the Final R/W Maps for the asymmetrical widening of a 2.7 mile stretch of LA 20 near Vacherie, LA.
09/22 – 06/23	**S.P. No. H.015405, Keller Street Bridge Replacement; St. Tammany Parish Government; St. Tammany Parish, LA** – Sr. Project Manager. Performed field crew coordination, data processing, project QA/QC and management for Topographic Survey for this bridge replacement project.
01/18 – 04/20*	**I-10: LA 415 to Essen Lane – East and West Baton Rouge Parishes** – Sr. Project Manager. Responsible for field crew oversight, data processing and review, and deliverables preparation. Performed Topographic survey for the widening of I-10 through Baton Rouge.
11/19 – 12/20*	**S.P. No. H.001344.5, US 190: LA 437-US 190 BUS (Ph 1); LADOTD; St. Tammany Parish, LA** – Sr. Project Manager. Performed data processing, title research and project QAQC for Property Surveys and Right of way Maps.
10/17 – 01/19*	**S.P. No. H.009481.5, LA 20 Bayou Chevreuil Bridge; LADOTD; St. James and Lafourche Parishes, LA** – Sr. Project Manager. Performed data processing, title research and project QAQC for Property Surveys and Right of way Maps.
* previous employer	

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**Anthony Burns**	Years of relevant experience with this employer	**2**
Title	**Project Manager**	Years of relevant experience with other employer(s)	**19**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	

Contract role(s) / brief description of responsibilities: **Senior Technician. Anthony will provide surveying services to assist with bridge design.**

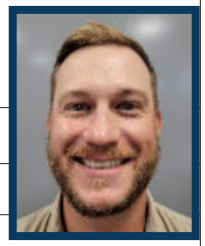
Anthony Burns has over 21 years of experience as a rodman, party chief, and project manager with numerous LA DOTD and City-Parish projects involving topographic, right of way, and boundary surveys. His experience includes conventional and terrestrial LiDAR, and mobile LiDAR scanning. He is thoroughly familiar with LA DOTD Location and Survey Procedures, manuals, and software programs with respect to all requirements. He manages our survey field crews and equipment. He holds ATSSA Traffic Control Technician (TCT), Traffic Control Supervisor (TCS), and Flagger certifications, and is TWIC and OSHA certified.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Project Manager. Assisted in the completion of topographic surveys, property surveys, and right of way maps for the replacement of 12 bridges. Assisted with field crew coordination, data processing, project QA/QC, and deliverables preparation. Surveys were performed to LADOTD Location and Survey standards.
10/22 - 10/23	**Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58** – Survey Technician. Responsible for review of topographic surveys. **(Location: LADOTD District 08)**
09/22 – 06/23	**S.P. No. H.015405, Keller Street Bridge Replacement; St. Tammany Parish Government; St. Tammany Parish, LA** – Project Manager. Performed field crew coordination and data processing for Topographic Survey for this bridge replacement project.
09/22 – 08/23	**S.P. No. H.014414, LA 22: Bedico Creek–Pine Creek; LADOTD; St. Tammany Parish, LA** – Project Manager. Responsible for review of topographic surveys, performed data processing, and managed the crews on this project.
04/21 – 07/21 *	**S.P. No. H.009300, Hooper Road Widening (LA 3034 – LA 37); LADOTD; East Baton Rouge Parish, LA** – Project Manager/Field Crew Manager. Responsible for a topographic survey and subsurface utility engineering for a one mile stretch of LA Hwy 408.
11/23 - 06/24 (survey complete)	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Project Manager. Responsible for field crew oversight and data processing and review. Performed Topographic survey for the design and construction of a roundabout at the intersection LA 447 and LA 1025 near Walker, Louisiana.

16. Staff Experience: Anthony Burns | T. Baker Smith, LLC - continued	
01/18 – 04/20 *	**S.P. No. H.004100, I-10: LA 415 to Essen Lane; LADOTD; East and West Baton Rouge Parishes, LA** – Project Manager. Responsible for field crew oversight, and data processing and review. Performed Topographic survey for the widening of I-10 through Baton Rouge.
04/14 – 10/19 *	**S.P. No. H.002151.5, LA 339 & LA 339S Bayou Parc; LADOTD; Lafayette Parish, LA** – Project Manager. Performed data processing, title research and project QAQC for Property Surveys and Right of way Maps.
03/17 – 04/18 *	**S.P. No. H.004987, US 190 Collins Blvd. Widening; LADOTD; St. Tammany Parish, LA** – Sr. Project Manager; Responsible for Topographic survey, field crew coordination and project QAQC for the widening of a three-mile portion of US 190 in Covington, LA. DTM width was approximately 300ft.
02/15 – 04/16 *	**S.P. Nos. H.011137 and H.011152, I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59); LADOTD; St. Tammany Parish, LA** – Project Manager/Field Crew Manager. Responsible for topographic survey on this project.
05/15 – 11/15 *	**S.P. No. H.011224, US 190 Guardrail/Rutting Rep. (Ph I); LADOTD; Pointe Coupee Parish, LA** – Project Manager/Field Crew Manager. Responsible for topographic survey along five portions of US 190. The project was located in Pointe Coupee Parish from LA 1 westward approximately 18.5 miles to the east side of the Atchafalaya Bridge.
04/20 – 11/20 *	**S.P. No. H.000688, US 11 Norfolk Southern RR Overpass (HBI); LADOTD; St. Tammany Parish, LA** – Project Manager. Responsible for field crew oversight, data processing and review and deliverables preparation. Performed a Topographic Survey for the replacement of the US 11 Overpass over the Norfolk Southern Railroad.
* previous employer	

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**Branden Kinnaird**	Years of relevant experience with this employer	**2**
Title	**Party Chief**	Years of relevant experience with other employer(s)	**4**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	

Contract role(s) / brief description of responsibilities: **Party Chief. Branden will lead the survey crew for the project.**

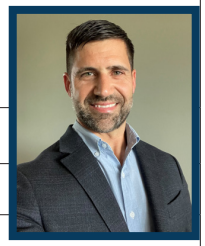
Branden Kinnaird has extensive experience performing surveys according to the LADOTD Location and Survey Manual. He has a thorough understanding of LADOTD feature coding, control setting procedures, and data collection methodology. Branden has utilized conventional surveying equipment, Real-Time Kinematic GPS equipment, and terrestrial LiDAR for field data collection. In addition to his topographic survey experience, Branden is also very familiar with the principles and procedures for boundary surveying. He has been involved in projects on the state and local levels, as well as for private clients.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA** – Party Chief. Laramey established project control, performed topographic surveys and recovered boundary monumentation for the development of Right-of-Way maps. Surveys were performed to LADOTD Location and Survey standards for the replacement of 12 bridges.
06/23 - Ongoing	**IIJA Off-System Bridge Replacement Program; Contract No. 44-25027; LADOTD; Statewide** – Party Chief. Branden established project control, performed topographic surveys and recovered boundary monumentation for the development of Right-of-Way maps. Surveys were performed to LADOTD Location and Survey standards for the replacement of 12 bridges.
04/21 - 06/21*	**H.014322: Centurion over Drainage Bayou, Topographic Survey; LADOTD; Baton Rouge, LA –** Survey Party Chief. Collected Topographic data and recovered boundary monumentation for the design and construction of a bridge in Baton Rouge, LA.
04/21 - 06/21	**H.014255: Beeson Road Over Flagon Bayou Tributary, Topographic Survey; LADOTD; Ball, LA –** Survey Party Chief. Collected Topographic data and recovered boundary monumentation for the design and construction of a bridge in Ball, LA.
09/22 – 05/23	**S.P. No. H.014264, LA 556: Bridges Near Choudrant; LADOTD; Jackson and Lincoln Parishes, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
09/22 – 12/22	**S.P. No. H.014238, LA 818: Barnet Springs & Creek Bridges; LADOTD; Lincoln Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
10/22 – 11/22	**S.P. No. H.014239, LA 589: Alligator Bayou Bridge; LADOTD; West Carroll Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.

16. Staff Experience: Branden Kinnaird | T. Baker Smith, LLC - continued	
06/20 – 07/21 *	**S.P. No. H.000358.5, US 190: LA 415 & RR Overpass Repl (HBI); LADOTD; West Baton Rouge Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
03/21 – 06/21 *	**MoveBR Lee Drive (Highland Road – Perkins Road); East Baton Rouge Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
11/19 – 12/20 *	**S.P. No. H.001344.5, US 190: LA 437-US 190 BUS (Ph 1); LADOTD; St. Tammany Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
04/19 – 12/19 *	**S.P. No. H.007811.5, Comite River Diversion; LADOTD; East Baton Rouge Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
11/23 – 01/24	**S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA** – Party Chief. Responsible for establishing project control and collecting topographic and drainage data for the design and construction of a roundabout at the intersection LA 447 and LA 1025 near Walker, Louisiana.
09/22 – 08/23	**S.P. No. H.014414, LA 22: Bedico Creek – Pine Creek, St. Tammany & Tangipahoa Parishes, LA** – Survey Crew Party Chief. Established project control and performed topographic survey, including development of an existing drainage map, for the widening of LA 22 near Madisonville, Louisiana.
06/20 – 07/21 *	**S.P. No. H.000358.5, US 190: LA 415 & RR Overpass Repl (HBI); LADOTD; West Baton Rouge Parish, LA** – Survey Crew Chief. Performed field data collection for Property Survey and Right of Way Maps.
06/23 - 08/23	**S.P. No. H.015587, LA 3211 Yokley Road: Roundabout; LADOTD; St. Mary Parish; District 03** - Party Chief. Branden established project control and performed topographic survey, including development of an existing drainage map, for the design and construction of a roundabout at the intersection of LA 3211 and Yokley Road in Franklin, Louisiana.
01/24 - 02/24	**S.P. No. H.015555, LA 1077 & Brewster Rd Roundabout; LADOTD / St. Tammany Parish, LA** – Party Chief. Branden established project control and performed topographic survey, including development of an existing drainage map, for the design and construction of a roundabout at the intersection of LA 1077 and Brewster Road near Madisonville, Louisiana.
* previous employer	

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**Cy Toups, PE**	Years of relevant experience with this employer	**17**
Title	**Lead Professional, Environmental**	Years of relevant experience with other employer(s)	**3**

Degree(s) / Years / Specialization			**Bachelor of Science / 2002 / Civil Engineering**
Active registration number / state / expiration date			**33966 / Louisiana / 9/30/2026**
Year registered	**2008**	Discipline	**Environmental**

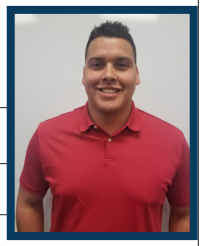
Contract role(s) / brief description of responsibilities: **Environmental Manager. Cy will lead all environmental aspects and satisfies MPR #5.**

Cy Toups is a Louisiana-licensed environmental engineer focused on NEPA processes, environmental assessments, and regulatory compliance. With 20 years of experience in the industry, Cy leverages his **diversified environmental and regulatory experience** to perform due diligence on powerline transmission projects, commercial developments, and public infrastructure improvements that benefit our communities. Cy's passion for improvement in our communities is shown in his commitment to the NEPA process to help strengthen project success and implementation. Cy maintains the following certifications: FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process, as well as ATSSA Traffic Control Supervisor and Traffic Control Technician.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20-10/21	**Contract 44-17598 – Rural Bridge Replacement Initiative Phase I | LADOTD | Districts 04, 05, 08, 58 –** Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 47 bridge structures in northern Louisiana.
05/21-ongoing	**Contract 44-19336 – Rural Bridge Replacement Initiative Phase II | LADOTD | Districts 04 and 05 –** Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 40 bridge structures in northern Louisiana.
03/19-05/21	**S.P. No. H.0115116, LA 20 Widening (LA 307 to S. Vacherie) | LADOTD | St. James and Lafourche Parishes, LA –** Environmental Professional. Prepared NEPA document (Categorical Exclusion), developed and edited NEPA documents with LADOTD/FHWA comments, stakeholder comments, public meetings, wetland delineation, T&E reporting, alternative analyses, farmlands and mitigation justification, assisted with USACE, LADNR and USCG permit drawings for the 2.5-mile roadway widening and bridge replacement project.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA –** Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents and regulatory permit applications for the replacement of 12 bridge structures in District 08.

16. Staff Experience

Firm employed by: TBS T. BAKER SMITH



Name	**Victor Hernandez**	Years of relevant experience with this employer	**6**
Title	**Environmental Project Manager**	Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization		**Bachelor of Science / 2014 / Biology**	
Active registration number / state / expiration date			
Year registered		Discipline	

Contract role(s) / brief description of responsibilities: **Biologist/Wetlands. Victor will provide environmental services.**

Victor Hernandez is an environmental professional and holds a bachelor's degree in biology. He leads environmental monitoring studies, environmental assessments, and threatened and endangered species surveys. Additionally, Victor prepares reports and completes field work as necessary to complete documentation for projects, including SWPPP Plans/Inspections, soil sampling, wetland delineations, wildlife identification, endangered species/habitat biological assessments, and migratory bird surveys. Victor has extensive experience in preparing solicitation of view documents (SOVs), categorical exclusions (CEs), Environmental Assessments (EAs), and Environmental Impact Statements (EISs). Victor is a Radiation Safety Officer, and maintains ATSSA Traffic Control Technician and Flagger certifications.

Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20-08/21	**Contract 44-17598 – Rural Bridge Replacement Initiative Phase I	LADOTD	Districts 04, 05, 08, 58 –** Environmental Professional. Performed wetland delineation field work and report preparation, NEPA Categorical Exclusion Documents, performed bat assessments, and regulatory permit applications for the replacement of 47 bridge structures in northern Louisiana.
06/21-03/23	**Contract 44-19336 - Rural Bridge Replacement Initiative Phase II	LADOTD	Districts 04 and 05 -** Environmental Professional. Performed wetland delineation field work and report preparation, NEPA Categorical Exclusion Documents, performed bat assessments, and regulatory permit applications for the replacement of 40 bridge structures in northern Louisiana.
11/19-12/19	**State Project No. H.013199 Country Estates Dr. / St. Louis Bayou- E	Terrebonne Parish Government	Terrebonne Parish, LA -** Environmental Professional. Performed wetland delineation for the replacement of Country Estates Drive/St. Louis Bayou off-system bridge.
05/23 - Ongoing	**Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA –** Environmental Professional. Performed wetland delineation field work and report preparation, NEPA Categorical Exclusion Documents, performed bat assessments, and regulatory permit applications for the replacement of 12 bridge structures in District 08.

T. BAKER SMITH

West 11th Bridge Replacement
St. Tammany Parish
Designed by T. Baker Smith, LLC

SECTION 17

PROJECT RELEVANCE:
Urban Bridge Replacement with Adjacent Utilities
Engineer of Record: Daniel Binet, PE

17. Firm Experience

Firm name:	TBS T. BAKER SMITH	Discipline(s)	**Road, Bridge, Survey, Environmental**
Project name:	**IIJA Off-System Bridge Replacement Program**	Firm responsibility (prime or sub?)	**Prime**

Project number	**Multiple #s**	Owner's name	**Louisiana Department of Transportation and Development**
Project location	**LADOTD District 08, LA**	Owner's Project Manager	**Brian Allen**
Owner's address, phone, email	**1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1840; brian.allen@la.gov**		

Services commenced by this firm (mm/yy)	**10/22**	Total consultant contract cost ($1,000's)	**$ 2,450**
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)	**$ 2,044**

The IIJA Off-System Bridge Replacement Program was created with the signing of the Infrastructure Investment and Jobs Act (IIJA) to increase federal funding to replace rural bridges that are in fair or poor condition. DOTD awarded TBS with the IIJA off system bridge contract for District 08, which allocated approximately $29 million to cover engineering services, construction, environmental, right-of-way acquisitions, utility relocations and construction support services.

In conjunction with the Parishes and LADOTD, 12 bridges were selected for replacement for District 08. These bridges are spread throughout 7 Parishes and 9 State Project Numbers. The replacement structures include Reinforced Concrete Slab Spans and Reinforced Concrete Box Culverts, spanning lengths from 20'-160'. Although most sites were able to be closed to local traffic, low profile runarounds and diversions were necessary on some sites to maintain access and add to the complexity and diversity of this project.

TBS serves as the prime consultant on this contract and is responsible for road and bridge design services including horizontal and vertical alignments, hydraulic and hydrologic analysis, cross sections, geometric details, sequence of construction, temporary erosion control, and cost estimation. TBS also provides topographic surveying services, environmental permitting, and right-of-way services.

TBS Team: TJ Stokes, PE; Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Daniel Fontenelle, EI; Lisa Osborne; Jean Reulet, III, PLS; Anthony Burns; Branden Kinnaird; Cy Toups, PE; Victor Hernandez

Project Relevance:

- ✓ Road Design
- ✓ Bridge Design
- ✓ Hydraulic & Hydrologic Analysis
- ✓ Surveying
- ✓ Environmental
- ✓ Construction Support

17. Firm Experience

Firm name:	T. BAKER SMITH	Discipline(s)	**Bridge, Road, Survey, Environmental**
Project name:	**Rural Bridge Replacement Initiative, Phase I**	Firm responsibility (prime or sub?)	**Prime**
Project number	**Multiple #s**	Owner's name	**Louisiana Department of Transportation and Development**
Project location	**Statewide, LA**	Owner's Project Manager	**Valerie M. Tourres, PE**
Owner's address, phone, email	**1201 Capitol Access Rd., Baton Rouge, LA 70802, 225.379.1894, valerie.tourres@la.gov**		
Services commenced by this firm (mm/yy)	**08/20**	Total consultant contract cost ($1,000's)	**$6,952**
Services completed by this firm (mm/yy)	**11/24**	Cost of consultant services provided by this firm ($1,000's)	**$4,470**

As part of an overall effort by LADOTD to reduce the amount of structurally deficient bridges throughout the state in order to meet FHWA metrics, LADOTD contracted TBS for the Rural Bridge Replacement Initiative, Phase I projects which replaced 47 bridge structures, primarily in North and Central Louisiana.

The consultant contract was a complete turnkey project, and as the Prime, **T. Baker Smith was responsible for nearly all contract services including inspection, surveying, ROW, preliminary and final bridge plans, preliminary and final roadway plans, construction services, scour analysis, hydraulic analysis, load rating and permanent signing for all 47 structures.** TBS coordinated geotechnical investigation and design using sub-consultants. The replacement structures included box culverts, RC Slab spans, and LG-25 girder span bridges having clear widths ranging from 24' wide to 40' wide.

TBS lead and executed this large-scale project by coordinating 15 distinct and simultaneous State Project Numbers and Plan sets. Phase I, involving 47 bridge structures, progressed on an accelerated timeline, significantly shorter than the typical 3-4 years expected for a project of this magnitude. LADOTD planned to let all bridge structures during Federal FY 22-23, requiring the delivery of replacement plans for all 47 bridge sites within just 21 months. This timeline included critical activities such as surveying, geotechnical analysis, design, and plan development. Despite the demanding schedule, the project achieved its targets, with **TBS successfully delivering Final Plans for all 15 state projects by June 2022.**

TBS Team: TJ Stokes, PE; Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Daniel Fontenelle, EI; Lisa Osborne; Jean Reulet, III, PLS; Anthony Burns; Branden Kinnaird; Cy Toups, PE; Victor Hernandez

Project Relevance:

- ✓ Road Design
- ✓ Bridge Design
- ✓ Hydraulic & Hydrologic Analysis
- ✓ Surveying
- ✓ Environmental
- ✓ Construction Support

17. Firm Experience

Firm name:	T. BAKER SMITH	Discipline(s)	**Bridge, Road, Survey, Environmental**
Project name:	**Rural Bridge Replacement Initiative, Phase II**	Firm responsibility (prime or sub?)	**Prime**
Project number	**Multiple #s**	Owner's name	**Louisiana Department of Transportation and Development**
Project location	**Statewide, LA**	Owner's Project Manager	**Valerie M. Tourres, PE**
Owner's address, phone, email	**1201 Capitol Access Rd., Baton Rouge, LA 70802, 225.379.1894, valerie.tourres@la.gov**		
Services commenced by this firm (mm/yy)	**05/21**	Total consultant contract cost ($1,000's)	**$7,282**
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)	**$4,585**

As part of an overall effort by LADOTD to reduce the amount of structurally deficient bridges throughout the state as part of meeting FHWA metrics, LADOTD contracted TBS for the Rural Bridge Replacement Initiative, Phase II projects which replaced 40 bridge structures, primarily in North and Central Louisiana.

The consultant contract was a complete turnkey project, and as the Prime, T. Baker Smith was responsible for nearly all contract services including inspection, surveying, ROW, geotechnical, preliminary and final bridge plans, preliminary and final roadway plans, construction services, scour analysis, hydraulic analysis, load rating and permanent signing for all 40 structures. TBS is coordinating geotechnical investigation and design using sub-consultants. The replacement structures include box culverts, RC Slab spans, and LG-25 girder span bridges having clear widths ranging from 24' wide to 40' wide.

TBS is leading and executing this large-scale project by coordinating 12 distinct and simultaneous State Project Numbers and Plan sets. Phase II, involving 40 bridge structures, is progressing on an accelerated timeline, significantly shorter than the typical 3-4 years expected for a project of this magnitude. LADOTD planned to let all bridge structures during Federal FY 22-23, requiring the delivery of replacement plans for all 40 bridge sites within just 21 months. This timeline included critical activities such as surveying, geotechnical analysis, design, and plan development. Despite the demanding schedule, the project achieved its targets, with TBS successfully delivering Final Plans for all 12 state projects by June 2022. Phase II, addressing the remaining 40 bridge structures, is currently underway.

TBS Team: TJ Stokes, PE; Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Daniel Fontenelle, EI; Lisa Osborne; Jean Reulet, III, PLS; Anthony Burns; Branden Kinnaird; Cy Toups, PE; Victor Hernandez

Project Relevance:

- ✓ Road Design
- ✓ Bridge Design
- ✓ Hydraulic & Hydrologic Analysis
- ✓ Surveying
- ✓ Environmental
- ✓ Construction Support

17. Firm Experience

Firm name:	T. BAKER SMITH	Discipline(s)	**Bridge, Road, Survey, Environmental**
Project name:	**Country Estates Dr. Over St. Louis Bayou**	Firm responsibility (prime or sub?)	**Prime**

Project number	**H.013199**	Owner's name	**Louisiana Department of Transportation and Development**
Project location	**Terrebonne Parish, LA**	Owner's Project Manager	**Barbara Ostuno, PE**
Owner's address, phone, email	**1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1047; barbara.ostuno@la.gov**		

Services commenced by this firm (mm/yy)	**11/18**	Total consultant contract cost ($1,000's)	**$115**
Services completed by this firm (mm/yy)	**09/22**	Cost of consultant services provided by this firm ($1,000's)	**$115**

The Country Estates Drive Bridge over St. Louis Bayou in Houma, LA, was in need of a critical replacement due to its structural deficiencies identified by LADOTD. As a result, the bridge was placed into the Off System Bridge Replacement Program to ensure its safe and cost efficient replacement. T. Baker Smith led the design efforts for this project, which encompassed engineering, environmental, and survey services.

The replacement project included meticulous road and bridge design, addressing both horizontal and vertical alignments to ensure the new structure integrated seamlessly with the existing roadway. Hydraulic and hydrologic analyses were conducted to guarantee the bridge can handle the bayou flow conditions, while cross sections and corridor modeling provided a detailed visualization of the project's impact on the surrounding area. Geometric details were carefully planned to meet all necessary standards and specifications.

Given the presence of utilities attached to the existing structure, extra care was taken to manage these components during the replacement process. The sequence of construction was orchestrated to minimize disruptions, and temporary erosion control measures were implemented to protect the environment during construction. Cost estimation was considered a critical component as cost efficiency is a paramount purpose for the Off System Bridge Program, and doing so ensured the project remained within budget while meeting all required specifications.

In addition to the core design elements, **T. Baker Smith provided topographic surveying services to accurately map the project area, environmental permitting to comply with regulatory requirements, and right-of-way services to secure the necessary land for the project.** The project is currently in the right-of-way acquisition process with the Parish, and T. Baker Smith continues to offer support to ensure the successful completion of the Country Estates Drive Bridge replacement, enhancing infrastructure and safety for the Houma community.

TBS Team: TJ Stokes, PE; Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Daniel Fontenelle, EI; Lisa Osborne; Jean Reulet, III, PLS; Anthony Burns; Branden Kinnaird; Cy Toups, PE; Victor Hernandez

Project Relevance:

- ✓ Road Design
- ✓ Bridge Design
- ✓ Hydraulic & Hydrologic Analysis
- ✓ Surveying
- ✓ Environmental

17. Firm Experience

Firm name:	TBS T. BAKER SMITH	Discipline(s)	**Road, Bridge, Survey, Environmental**
Project name:	**Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement**	Firm responsibility (prime or sub?)	**Prime**

Project number	**H.010557**	Owner's name	**Louisiana Department of Transportation and Development**
Project location	**Lafayette Parish, LA**	Owner's Project Manager	**Barbara Ostuno, PE**
Owner's address, phone, email	**1201 Capital Access Rd., Baton Rouge, LA 70802; 225.379.1047; barbara.ostuno@la.gov**		

Services commenced by this firm (mm/yy)	**07/13**	Total consultant contract cost ($1,000's)	**$134**
Services completed by this firm (mm/yy)	**09/23**	Cost of consultant services provided by this firm ($1,000's)	**$134**

The Lajaunie Road Bridge over Lateral 1 of Bayou St. Clair was part of the Off System Bridge Replacement Program. The existing structure was a 1970's style precast concrete bridge founded on timber piles in need of replacement due to being functionally obsolete & structurally deficient. The narrow, two-lane bridge sat within an existing horizontal curve on an RL-3 classified roadway without superelevation. The bridge's piles had been repaired several times and possibly replaced during its life. The existing bridge was replaced with a modern concrete structure utilizing multiple superstructure types and custom approach and barrier options.

Due to the necessity of a curved, superelevated section, and the hydraulic need to remove obstructions from the channel, **multiple superstructure types were used for this in-house design** which resulted in a new bridge utilizing (2) 20' exterior reinforced concrete slab spans and (1) 40' quad beam span. Additionally, the replacement structure is near an existing residence on the begin bridge side, so special design elements were required included tapered barrier rails, curved approach slabs, and stepped bent caps to accommodate the different span types. T. Baker Smith was able to improve the safety of this corridor and minimize impacts on adjacent property owners while staying within the time and cost constraints of the Off-System Bridge Program.

Under the scope of this project, T. Baker Smith provided property survey, right-of-way mapping**, environmental surveys, wetland delineation, USACE permitting, right-of-way/utility servitudes, hydraulic design, drainage design & analysis, road & bridge design, structural analysis, and QA/QC.

** Right-of-Way Mapping services were performed under separate contract with Lafayette Consolidated Government.

TBS Team: Kenny Belou, PE; Daniel Binet, PE; Kelly Radecker, PE; Jean Reulet, III, PLS; Lisa Osborne; Daniel Fontenelle, EI

Project Relevance:

- ✓ Road Design
- ✓ Bridge Design
- ✓ Right-of-Way Survey
- ✓ Hydraulic Constraints
- ✓ Custom Structural Components
- ✓ Adjacent Residential Properties

T. BAKER SMITH

Moffet Rd Over Chauvin Bayou
S.P. No. H.015940.5
Terrebonne Parish

SECTION 18

PROJECT APPROACH

PROJECT CONTEXT & SCOPE

The Off System Bridge Program's Purpose is "To replace or rehabilitate structurally deficient or functionally obsolete parish structures in a cost-efficient manner. To provide design, detailed plans, and construction for replacement projects with emphasis on meeting the minimum design standards set by the Louisiana Department of Transportation and Development (DOTD) and Federal Highway Administration (FHWA)." The replacement of the Moffet Road Bridge over Chauvin Bayou will serve to do just that. **Built in 1979, this structure is nearing the end of its serviceable life,** and the spot replacement will provide the surrounding communities, businesses, and the Houma Terrebonne Airport with improved accessibility for all vehicle types and sizes. The Federal Highway Administration provides 80% funding for the design and construction of the Off System Bridge projects, and the State contributes 20% matching funds.

APPROACH

Team Management

For more than 100 years, T. Baker Smith, LLC (TBS) has provided tailored engineering solutions to enhance our local communities. The heart of TBS' philosophy is our commitment to develop trusted partnerships with our clients by providing excellent services. **TBS prides itself on being a multidisciplinary firm, who can deliver the project from start to finish.** As such, TBS will serve as the prime consultant providing overall project management, bridge and roadway design, survey, & environmental services. TBS' firm and staff have an in-depth understanding of the Off System Bridge Program's objectives and requirements and a **successful history of delivering LADOTD Off System Bridge projects over the last 15 years.** Notable projects completed by our design team which meet the above stated purpose include the Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program, and 17 individual Off System Bridge Replacements spread across 14 Parishes.

"ONE STOP SHOP"

T. Baker Smith is a multidisciplinary engineering firm capable of providing comprehensive services for the Off-System Bridge Replacement Program, including Road and Bridge Design, Survey, Environmental, and Construction services. Our expertise ensures all project needs are met efficiently and effectively.

Experienced Project Leadership

The TBS project approach begins with the selection of a skilled and experienced Project Manager. **Kenny brings over 18 years of expertise in planning and designing transportation projects, adhering to LADOTD and AASHTO design standards,** as well as local, state, and federal regulations. He has overseen numerous LADOTD bridge replacement projects, including both Off-System and On-System.

His experience in the design and management of transportation and site projects, and his familiarity with the Project area, brings specific, local knowledge and expertise to the team. As Project Manager, Kenny will be responsible for all activities of the contract including developing project work plans and schedules, providing status reports and regular communication to the LADOTD Project Manager, and ensuring quality deliverables from TBS.

Allocation of Resources

To ensure the successful execution of the project, Kenny will leverage an experienced team of road and bridge engineers, surveyors, and environmental professionals who possess specific experience with LADOTD Off-System Bridge projects. This integrated approach will facilitate seamless and efficient project delivery of quality plans.

METHODOLOGY

Based on TBS' knowledge of the area, existing infrastructure, and the goals and objectives for the Off System Bridge Program, we have prepared the following methodology for the scope of services identified in the Advertisement.

Project Management

The TBS team has extensive experience managing LADOTD projects including project tracking, invoicing using LADOTD standard forms, maintaining a monthly project schedule in Microsoft Project, providing monthly Contract Tracking spreadsheets, and constantly communicating with the LADOTD Project Manager during the course of the project. As is the case with most Off System Bridge projects, the **LADOTD Geotechnical Group will be handling the pile analysis and recommendations for this project. TBS has worked on several projects with the geotechnical group and can leverage this experience to avoid unnecessary slowdowns during the design process.**

Topographic Survey

T. Baker Smith will perform the topographic survey for the project utilizing our in-house survey group. **The ability for TBS to provide surveying and design services will aid with scheduling, identification of critical survey elements, and on time deliverables.** The survey will be completed in accordance with LADOTD Off-System Bridge Guidelines and LADOTD Location & Survey requirements. GPS control will be established using at minimum four (4) control points set in concrete with digital levels run between these points. Once control is established and sketches are completed, the topographic survey will continue for the existing roadway, bridge,

utilities, **site specific elements such as the pile supported waterline to the northeast of the bridge, the bored sewer line to the southwest, and Chauvin Bayou.** TBS will also utilize LIDAR to collect the **overhead distribution line sag for crane and constructability clearance purposes.** Any structures upstream of the bridge site will be surveyed and bridge sketches will be provided. InRoads will be utilized daily to process survey data to ensure completeness and correctness prior to preparation of survey deliverables and field rolls. The survey submittal will include all items required by the LADOTD OSBR Guidelines including photographs, point listing and plotted cross sections. **Since TBS can offer survey and design services in-house, all components will undergo extensive QC/QA by the survey and engineering team.**

Road & Bridge Design

The TBS team has already visited the project site multiple times to gather information about existing site conditions and potential impacts based on the selection of the replacement structure. **The existing site features a posted speed limit of 30 mph, an existing roadway width of approximately 20' with no shoulders, and an existing bridge width of approximately 30'.** Based on our field observations, we understand that the type, size, and location of the bridge will directly influence embankment projection, guardrail runout, and roadway transitions, all of which can affect the surrounding sideroads, driveways, and properties.

We will utilize this information and meet with the LADOTD Project Manager to review overall goals of this project, discuss road, bridge, and hydraulic design criteria, and assess how particular structural elements and options interact with properties and utilities adjacent to the site. This information will provide the foundation for Preliminary Plan Production.

TBS has shown extensive experience in the design, layout, and application of all these challenges from other Off System Bridge projects and similar LADOTD bridge replacement projects such as IIJA and Rural Bridge Replacement Initiative Phases I & II. **Additionally, our team's expertise in inRoads modeling will allow us to clearly define limits of construction, earthwork quantities, and any preliminary right-of-way taking lines early in the design process.** Based on the site visit and review of the most recent inspection reports, TBS anticipates being able to utilize the AASHTO – Guidelines for Geometric Design of Very Low-Volume Local Roads, as referenced in the Off System Bridge Guidelines. This will provide accommodations to replace the bridge in kind with a similar structure type and clear width to limit the project footprint and impacts on the surrounding area. Applying this information, the bridge type, size, and location will be determined and analyzed for hydraulic capacity as per the Off System requirements and roadway reconstruction limits will be set. **Multiple alternative structure types will be analyzed using HYDR and GeoHECRAS to ensure the replacement structure provides adequate hydraulic conveyance compared to the existing site.**

Should the development of Preliminary Plans identify the need for in house bridge design, TBS has considerable experience using programs such as OpenBridge, STAAD, and AASHTO BrR to develop design components and details.

KEY CHALLENGES

The TBS team has thoroughly researched the project site, including a site visit to observe existing conditions, traffic volume and type, and space constraints to identify potential challenges:

Cost Efficiency

TBS will utilize its extensive experience with the Off System Bridge Program and the implementation of LADOTD Standard Plan Bridges throughout the state to carry out efficient design efforts to minimize impacts on the surrounding community and ensure cost efficiency for construction.

Right-of-Way

The Right-of-Way in this area is limited and may be impacted by the slight roadway widening anticipated to meet the standard Off System Bridge widths of either 24' or 28' clear. The TBS team will evaluate accommodations to limit right-of-way impacts and acquisition, including subsurface drainage and utilization of the AASHTO – Guidelines for Geometric Design of Very Low-Volume Local Roads, as referenced in the Off System Bridge Guidelines, where applicable. The manual can be used for sites with an ADT of 400 or lower to apply exceptions to LADOTD's Minimum Design Guidelines, thereby reducing the overall project footprint.

Utilities

Identifying and coordinating with the existing utilities within the project limits including underground telephone, underground water, underground sewer, and overhead distribution lines will be important to identify potential conflicts. Early in the project's process, the TBS team will identify the impacted utilities, and our in-house, industry leading utility experts led by TJ Stokes, PE will work in conjunction with our Survey and Design team to aid our preliminary design processes to keep relocation to a minimum.

Environmental

TBS will also provide Environmental Services which includes wetland delineation to LADOTD, which will be comprised of preliminary data gathering, field investigation, report preparation and coordination of a Jurisdictional Determination with the USACE. TBS will conduct a field investigation in accordance with the 1987 U.S. Army Corps of Engineers Wetland

Delineation Manual and the current version of the Atlantic and Gulf Coastal Plain Regional Supplement. **The Wetland Delineation Report will follow the latest FHWA criteria, and upon approval from LADOTD, TBS will submit to the Army Corps of Engineers for a Jurisdictional Determination.** Our Environmental team will also prepare Categorical Exclusions (CE) in accordance with the National Environmental Policy Act (NEPA) of 1969 and the President's Council on Environmental Quality regulations to implement NEPA, as well as a Solicitation of Views (SOV) packet. The CE document will include a purpose and need, description of alternatives, and evaluation of the socio-economic and environmental consequences of the proposed project alternatives and present this information in the CE Checklist with supporting Appendices. **The ultimate goal of this environmental review is to demonstrate that the project would result in significant impacts to the human environment and thus be issued an approved Categorical Exclusion or Programmatic Categorical Exclusion.**

QA/QC

TBS' design team values and understands the importance of a nuanced QA/QC plan and process. TBS' project management includes a revamped systematic QA/QC program. Andrée Cortez, PE, PMP will be TBS' QA/QC Manager for this project. Andrée brings 25+ years of design expertise involving LADOTD projects, including over 15 years of experience in the LADOTD Off-System bridge program. Prior to each progress submittal, an independent design review is conducted to assess constructability, conformance to standards, plan uniformity/appearance, interdisciplinary compatibility, and to confirm that all prior review comments have been addressed. Following the review and before submission to LADOTD, design review and comment forms will be prepared and used for internal and LADOTD comments. Additionally, TBS' current Transportation Group has developed internal design and plan production checklists for bridge replacement projects. These combined methodologies has resulted in a proved history of providing quality plans with minimal field modifications or change orders, as shown by our successful past performance on both similar-concept and large-scale projects. A detailed, project specific QA/QC Plan for Moffett Road Bridge is included in Section 21 of this proposal.

PROJECT DEVELOPMENT & MILESTONES

Scoping Meeting

Within 15 days after selection, the TBS team will conduct a scoping meeting with the LADOTD Project Manager and additional LADOTD personnel. The goal of this meeting is to address all design components and identify and discuss critical elements such as preferred structure type, size, and location. **This will allow the TBS team to identify challenges and develop a strategy to resolve or mitigate them early in the design process to avoid costly impacts to the project.** A staffing plan that includes the time, resources, and task durations will be developed to keep the project design on schedule and within budget. TBS will prepare and submit a work hour proposal for review and negotiation within 30 days after the notification of selection.

Kick-Off Meeting

Following Notice to Proceed, the TBS team will meet with the LADOTD Project Manager and staff to discuss the project, review the schedule, outline invoice procedures, develop communication protocols, and identify critical path components such as construction sequencing and traffic management. Thorough meeting minutes will be provided by TBS within two business days for review.

Design Criteria

T. Baker Smith will meet with Terrebonne Parish along with the LADOTD PM to discuss any planned improvements to the surrounding area, any preferences the Parish may have in terms of structural selection, and request the Crash History for the past 5 years. Using this data and site information, the TBS team will develop the design criteria and determine if there are any design waivers exceptions necessary for this site. Developing the criteria and working with LADOTD and the Parish early in the process allows for cohesion on critical decisions.

Preliminary Plans

TBS will engage its internal surveying team **(located just a few miles from the project site)** to conduct the Topographic Survey. After review and approval of the Topographic Survey Deliverables, major road and bridge design elements, Hydraulic Analysis, and permit sketches for environmental clearance will be developed as a part of the 50% Preliminary Plan Stage. The Hydraulic Report will include any viable bridge alternative. LADOTD will review the submittal and decide if a Pre Plan-in-Hand Submittal is required. **On past Off System Bridge Projects, T. Baker Smith's plan sets were approved to bypass this step, which moves the project along and keeps program costs to a minimum.** TBS will develop the appropriate PIH submittal and mail out the SOV packet to each stakeholder on the list provided by LADOTD. At this point, a Field Review will be scheduled at the project site for the Plan-in-Hand Meeting to ensure all interested parties agree on major design decisions, pay items, and scope items. TBS will prepare comprehensive meeting minutes for distribution within three days. TBS will prepare and finalize Right-of-Way sketches based on required taking lines as per Off System Bridge guidelines. Geotechnical coordination will be provided to LADOTD and the Post Plan-in-Hand submittal, Right-of-Way submittal, and Environmental submittal will be sent to LADOTD to close out the Preliminary Plans Process. All components and submittal order will follow the Submittal Requirements as laid out in the Off System Bridge Guidelines.

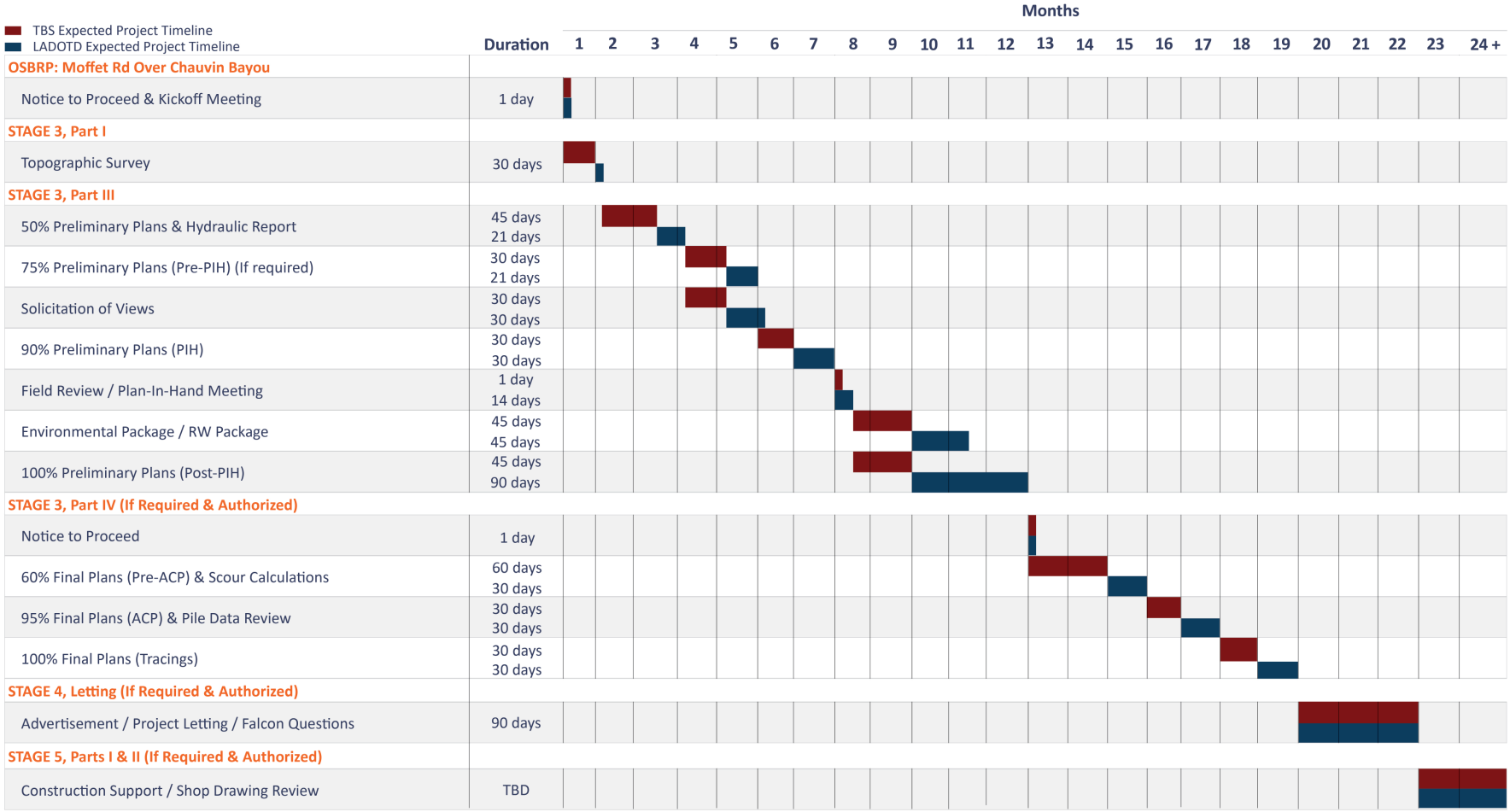
Final Plans

As an Additional Service, Final Plans will commence once the Notice to Proceed is received, and Pre-Advanced Check Prints, Scour Calculations, and coordination with LADOTD Geotechnical will be handled by TBS. If non-structural components are required for this site, structural analysis, design, and details will be completed and incorporated into the plan set. Any LADOTD comments will be addressed, and the plans will be revised to deliver Advanced Check Prints, where LADOTD will finalize their Final Pile Review. **Final Plans will be closed out with the Tracings Submittal**, which will consist of a full-sized plan set that is signed, sealed, and dated by the Engineer of Record, and the Title Sheet will be plotted on mylar. A bound calculation book, load rating report (if applicable), and a final hydraulic report will be submitted as well. All components and submittal order will follow the Submittal Requirements as laid out in the Off System Bridge Guidelines.

Construction Services

If desired, construction services can be rendered by T. Baker Smith, which will provide letting and construction support by assisting with Falcon questions, RFI's, shop drawing and contractor submittal review, and attendance of meetings.

PROJECT SCHEDULE



T. BAKER SMITH

Tiger Drive Bridge over Bayou Lafourche
S.P. No. H.006147
Lafourche Parish
Designed by T. Baker Smith, LLC

SECTIONS 19-23

PROJECT RELEVANCE:
LADOTD Off-System Bridge Replacement Project

19. Workload

Firm(s) All firms must be represented in this table	Discipline(s)	Contract Number and State Project Number	Project name	Remaining Unpaid Balance
TBS	Bridge	4400013407 / H.013199	Country Estates Dr. Over St. Louis Bayou	$799
		4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$115,339
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$134,534
	CE&I/OV	4400025760 / H.011137	I-12: LA 1077 to LA 21 (CE&I)	$828,582
	Environmental	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$34,658
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$40,849
	Other (Construction Support)	4400013203 / H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	$89,364
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$102,092
	Other (Contract Management)	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$19,749
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$71,090
	Other (Hydraulics)	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$3,788
	Road	4400013407 / H.013199	Country Estates Dr. Over St. Louis Bayou	$750
		4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$116,092
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$231,806
		4400024928 / H.015576 (Task Order #1)	LA 447 & LA 1025: ROUNDABOUT	$142,729
		4400024928 / H.015721 (Task Order #2)	LA 30: ROUNDABOUT @ ST ELIZABETH/ S PENN	$300,567
	Survey	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$106,384
		4400021973/H.009892	US 90 FR: Extension to LA 329	$73,365
		4400021973/H.014308	Pope Lane IC RR Xing	$159,701

20. Certifications/Licenses

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
T. BAKER SMITH, LLC	Limited Liability Company	HOUMA	Active

Previous Names

T. BAKER SMITH, L.L.C. (Changed: 3/23/2011)
T. BAKER SMITH, INC. (Changed: 12/13/2010)
T. BAKER SMITH & SON, INC. (Changed: 4/20/2005)

Business: T. BAKER SMITH, LLC
Charter Number: 26901340K
Registration Date: 1/7/1965
Domicile Address
412 SOUTH VAN AVENUE
HOUMA, LA 70363
Mailing Address
P.O. BOX 2266
HOUMA, LA 70361

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 1/7/1965
Last Report Filed: 12/11/2023
Type: Limited Liability Company

Registered Agent(s)

Agent: KENNETH W. SMITH
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363
Appointment Date: 10/29/2001

Officer(s)

Additional Officers: No

Officer: KENNETH W. SMITH
Title: Manager
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363

PLAN FOR QUALITY ASSURANCE & QUALITY CONTROL OF BRIDGE DESIGN

State Project No. H.015940.5
Off-System Highway Bridge Program
Moffet Rd. Over Chauvin Bayou
Terrebonne Parish

T. Baker Smith, LLC
412 South Van Avenue
Houma, LA 70363

January 15, 2025

Description and Objective

This document has been prepared to outline the Quality Assurance and Quality Control (QA/QC) procedures related to the design and design drawings of bridge elements associated with and specifically for **H.015940.5 – Off-System Highway Bridge Program Moffet Rd. Over Chauvin Bayou** as required by the Louisiana Department of Transportation and Development's Request for Qualification Statements for this project. The QA/QC procedures and guidelines developed herein are to ensure that T. Baker Smith, LLC (TBS) has developed the design and design drawings in accordance with the Contract and that the design and design drawings have been properly checked to assure quality and completeness in TBS' finished product.

TBS shall manage the design and design quality control throughout the development of plans and specifications for this project. TBS has designated a QA/QC manager for this project who will be responsible for overseeing the overall quality program, performing independent Quality Assurance reviews as well as the preparation and implementation of the QA/QC plan. TBS is fully aware of its responsibility for the QA/QC of design work performed on this project and that review by LADOTD does not relieve TBS of this responsibility. This QA/QC plan has been prepared in accordance with the requirements set forth in "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17)," FHWA, AASHTO, August 2011. Additionally, requirements of BDTM.37 and "Policy on Quality Control and Quality Assurance," Louisiana Department of Transportation and Development, Bridge Design Section, October 2012 will be followed throughout the project.

Terms and Definitions
Quality Control (QC): Procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correction design omission and errors before the design plans are finalized, and verifying the specifications for the load-carrying members are adequate for the service and operation loads.

Quality Assurance (QA): Procedures of reviewing the work to ensure the quality control are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications.

Designer: An individual directly responsible for the development of design calculations, drawings, specifications and contract documents and review of shop drawings related to a specific bridge design with a level of technical skills and experience commensurate with the complexity of the subject structure or structures being designed. A designer shall be either a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. The designer's experience should be commensurate with the complexity of the structure being designed.

Design Checker: An individual responsible for performing full technical review of the structural calculations, drawings, specifications and contract documents. A Design Checker shall be a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. If the Designer is an Engineer Intern, the Design Checker should be a Professional Engineer. The checker's experience should be commensurate with the complexity of the structure being designed/checked.

Reviewer: An individual responsible for performing QA procedures for assuring that QA/QC procedures have been performed.

21. QA/QC Plan

Engineer of Record: A Licensed Professional Engineer responsible for all bridge structural aspects of the design of the structure including the design of all the bridge's systems and components. This individual is responsible for sealing and signing the final project plans.

QA/QC Responsibilities

The following tables outline the team members who have been selected to perform the individual QA/QC assignments for the design of bridge elements for the project.

Project: Off-System Highway Bridge Program Moffet Rd. Over Chauvin Bayou
S.P. No.: H.015940.5
Parish: Terrebonne

Engineer of Record: Daniel Binet, PE
QA/QC Manager: Andree Cortez, PE, PMP

Roadway & Bridge Geomatics

Designer: Kelly Radecker, PE
Design Checker: Kenny Belou, PE
Detailer: Lisa Osborne
Detail Checker: Daniel Binet, PE
Independent Reviewer: Andree Cortez, PE, PMP

Bridge Structural Design

Designer: Daniel Binet, PE
Design Checker: Kenny Belou, PE
Detailer: Daniel Fontenelle, EI
Detail Checker: Kelly Radecker, PE
Independent Reviewer: Andree Cortez, PE, PMP

Construction Support/Shop Drawings*

Shop Drawing Reviewer: Daniel Binet, PE
Review Checker: Kenny Belou, PE
Independent Reviewer: Marc Dunn, Jr., PE

* If required

QA/QC Procedures

1. Checking of Calculations

INTRODUCTION

Calculations are to be done on calculation tablet sheets for each design organization. Calculations shall include sketches to clarify the calculations, assumptions, references, units, and conclusions. The calculations shall reference the specific component for which they apply.

RESPONSIBILITIES

Engineer of Record – Ensures that personnel assigned to the project are capable of performing the analysis and calculations. Responsible for direct oversight and supervision of the design of the structure. Assembles or appoints personnel to assemble and maintain original calculations and calculation checks for the project.

Designers – Prepare all calculations in a neat and logical manner which is conducive to checking. Provide the calculations to the Checker in a timely fashion.

Checkers – Thoroughly check the calculations starting with assumptions, mandated parameters, references, given values and formulas, omissions, and correctness of arithmetic. The Checker is responsible for asking questions of the Designer in areas that are not clear or seeking technical advice if unsure of any particular element of the calculation.

QA/QC Manager – Performs independent review and audits to ensure that procedures are being followed for checking of calculations.
PROCEDURE

1. Identify each sheet of calculations with designer's initials, date, project name, and sheet number. Indicate portion of project being designed in the upper right corner of each sheet below the title block. For example: End Bent 1 Design, Intermediate Pile Bent Design, Framed Bent 5 Design, etc. A set of design calculations for a component should generally be less than 20 pages. A component of a project shall be checked promptly upon completion of calculations. Normally, design and quantity calculations are not combined.

2. The Designer shall make a copy (checking copy) of the calculation set and give to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.

3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate information that has been checked is correct.

4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then the Engineer of Record shall resolve the dispute.

5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.

6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

2. Checking of Drawings

INTRODUCTION

Timely checking of drawings is important for efficient performance. A drawing used as a base by several disciplines should be checked and corrected before further additions are made; this will eliminate the need to check and correct the same items on subsequent drawings.

RESPONSIBILITIES

The **Engineer of Record**, with the help of the QA/QC Manager, will ensure that this procedure is implemented on all project drawings and the check prints are assembled and available for audit.

The **Designer** of the work on a document has the primary responsibility for accuracy and adequacy. It is not intended that the Designer rely upon the checking system to complete the drawing.

The Designer of each document is responsible for making the Check Print, stamping and dating it, following that Check Print through the process, and obtaining the required sign-offs.

Checkers are responsible for checking the drawings, independent of the Designer, for accuracy and adequacy of all the information shown, including geometry.

QA/QC Manager performs audits to ensure that procedures are being followed in regard to the checking of drawings.

PROCEDURE

1. As each drawing individually is completed and deemed ready for checking, the Designer signs or initials the title block of drawings, makes a Check Print copy, and affixes, numbers, and dates the Check Print stamp on the print of each drawing. This is to be done on each drawing print separately, not on the set of prints as a whole, even if the same information is put on the check print stamp.

2. The Checker checks the Check Print of the drawing for technical adequacy and conformance to any applicable standards and format, and performs specific accuracy checks required for that type of drawing. Checking activity is recorded directly on the Check Print. The Checker is responsible for ascertaining that the drawing is consistent with the corresponding calculations, and signing off that those calculations have been properly checked. In order to document the checking process, the Checker highlights in yellow on the Check Print each part checked that is found to be correct and marks in red on the Check Print corrections, additions, or deletions.

   NOTE: Red or yellow should not be used to note comments or instructions. These colors are reserved for the checking process. Comments or instructions should be written in blue ink.

   The Checker signs and dates the Check Print stamp upon completion of the checking.

   In the case where no corrections, additions or deletions are found, there is no need for backchecking or further signatures on the Check Print stamp. The Check Print and original drawing, signed in the appropriate checked block, should be returned to the Designer for

placement in the projects file.

3. The Designer (acting as Backchecker) reviews the Checker's marks on the Check Print and personally makes or supervises the update of the Drawing Original.

   To document the backchecking process, the Designer:

   - Check-marks in green each of the Checker's red-marked changes if in agreement that the Original should be changed and adds in green, with the concurrence of the Checker, any additional changes not picked up by the Checker.

   - Crosses out in green each of the Checker's red-marked changes that both the Designer and the Checker agree should not be changed. The Backchecker should not obliterate the Checker's marks.

   NOTE: The Backchecker and Checker should resolve differences encountered during the checking process so they are not repeated. If resolution cannot be achieved by the two individuals, the appropriate Design Unit Engineer or Design Manager should be requested to resolve the differences.

   - Signs and dates the Check Print stamp.

4. Correction of the Drawing Original should be supervised by (or drafted by) either the Designer or Checker, since both know exactly what needs to be done.

   When making the Check Print corrections to the Drawing Original, the engineer, draftsperson, or CADD operator highlights in blue each correction as incorporated. The person correcting the drawing signs and dates the Check Prints stamp upon completion of the corrections.

5. When corrections are made by a third party (not the Designer or checker), the Check Print should be verified by the Checker or Designer to assure that the agreed-to corrections have been incorporated without error. If the corrections are not made or are erroneous, the Check Print with penciled instructions is returned to the corrector. The Verifier puts a blue check mark next to each blue-highlighted item after reviewing its incorporation on the Original Drawing.

   The Verifier signs and dates the Check Print stamp, as applicable.

   After the corrections have been verified the Checker initials the "checked by" block on the title block of the Drawing Original.

6. The completed original (or CADD file) is put under the control of the Engineer of Record or a designee in order to prevent further changes in the drawing that could invalidate the checking which has been done. The Engineer of Record or a designee releases the checked drawing to other disciplines to use as a baseline for their input, or to the client.

   NOTE: When there is a change to a checked drawing, a new Check Print must be made to check the area that has been changed. The Check Print is stamped and labeled Check Print 2, 3, 4, etc. as applicable and attached to the previous check print(s). The checking follows the same procedure as that of the original Check Print, except that only the portions that changed are marked up as having been checked.

7. If changes mandated by the client at the final review are simple in nature, the Engineer of Record or a designee may abbreviate the checking process by noting the changes in red on a new Check Print (which should be sequentially numbered) and signing the Check Print as the Backchecker, indicating that the changes do not materially affect the design. Then the normal correcting and verifying processes should be utilized.

Exceptions to the procedural documentation of the Check Prints can be given only by the QA/QC Manager based upon the size, character and complexity of the project.

Reviews, Checklists and Certifications:

The following review forms, checklists and certifications will be used during the project's QA/QC process as required by LADOTD's Bridge Design Section BDTM.37. The checklists and certification forms are included in the following pages for reference.

- Design Criteria Worksheet
- Final Calculation Book Index Checklist
- QA Information Package Checklist

- QC-QA Certification
- Consultant Submittal QC-QA Certification

The Consultant Submittal QC-QA Certification will accompany all submittals as required by the Bridge Design Section QC-QA Policy. Additional checklist(s) may be added by the QA/QC Manager based upon the scope, character and complexity of the project, should this change throughout the course of design.

Design Criteria Checklist
Design criteria for each project shall include, but not limited to, the following sections:

__ **Cover Sheet**
The following information must be included on the cover sheet:
- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

__ **Governing Design and Construction Specifications and Other References**
A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

__ **Design Assumptions and Design Exceptions**
All design assumptions and design exceptions received must be included in this section along with supporting documents.

__ **General Information**
The general information as listed below should be included in this section:
- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

__ **Hydraulic Design Criteria**
All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

__ **Design Factors**
The ductility factor η_R, redundancy factor η_R, and operational importance factor η_I shall be listed in this section.

__ **Design Loads**
All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

__ **Limit States**
All applicable limit states for this project shall be listed in this section.

__ **Bridge Barrier**
The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

__ **Guardrail**
The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

__ **Approach Slab**
Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Deck and Deck Drainage**
All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Bearing**
All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should

be listed if they are utilized.

__ **Joint**
All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Superstructure**
All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Substructure**
All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Piles and Drilled Shafts**
All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

__ **Geotechnical Design**
All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

__ **Mechanical Design**
All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

__ **Electrical/Lighting Design**
All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

__ **As-Designed Bridge Rating Criteria**
All as-designed bridge rating criteria shall be included in this section.

__ **Software**
All software used for design and check shall be included in this section.

Final Calculation Book Checklist

The final calculation book for each project shall include, but not limited to, the following sections:

__ **Cover Sheet**
The following information must be included on the cover sheet:
- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

__ **Final Calculation Book Check List**
__ **QC/QA Certifications**
__ **Peer Review Resolution Agreement (if peer review is performed)**
__ **Design Criteria**
__ **Final Hydraulic Analysis Report from Hydraulic Engineer**
__ **Final Geotechnical Analysis Report from Geotechnical Engineer**
__ **Superstructure Design Calculations**
__ **Substructure Design Calculations**
__ **Quantity Calculations**
__ **Special Provisions/NS-Items**
__ **Construction Cost Estimate**
__ **As-Designed Rating Report**
__ **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder and include the following information:

__ **A PDF File of the Calculation Book**
__ **All Electronic Design Files**
__ **A PDF File of the As-Designed Rating Report Only**

21. QA/QC Plan

QA Information Package Checklist

Project No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents

_____

QC/QA Certification

Project No.:
Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

Consultant Submittal QC/QA Certification

Project No.:
Project Name:

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and LADOTD Bridge Design Section policy on QC/QA and the information presented is accurate and meets the requirements of this submittal. All CAD drawings meet LADOTD CAD standards.

_____
Submittal Description

_____
Supervisor or Team Leader Name

_____
Signature

_____
Date

22. Sub-consultant information

23. Location