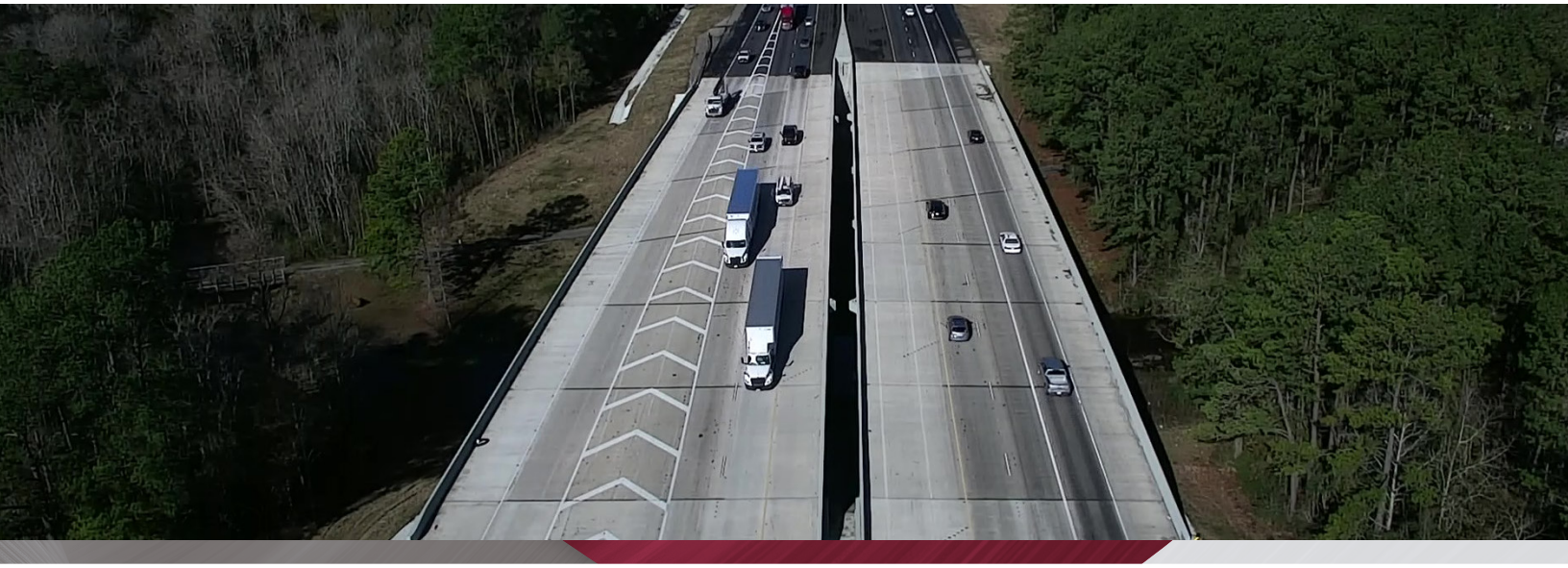
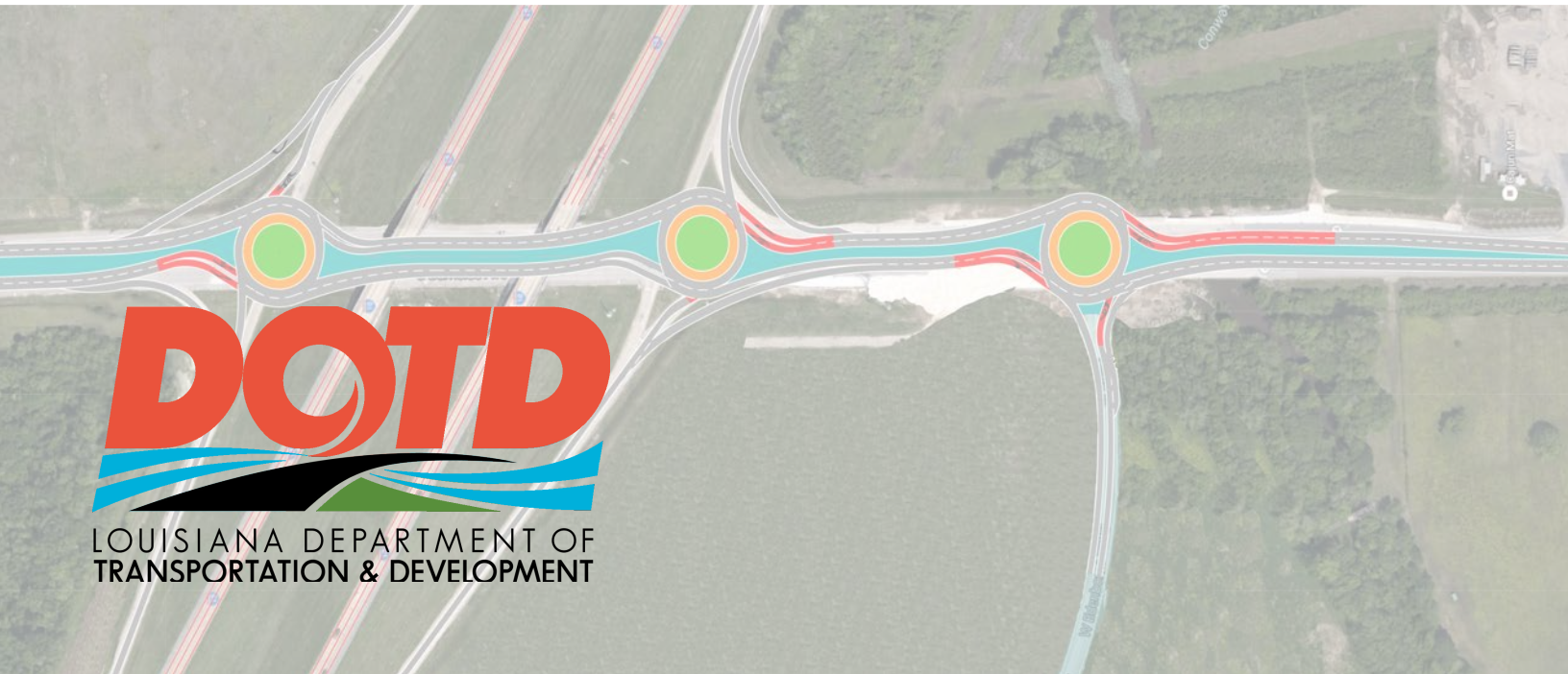
T. BAKER SMITH
A CENTURY OF SOLUTIONS

LA 44: I-10 Roundabouts
Route: LA 44 & I-10
Ascension Parish, LA

Contract No. 4400028432
State Project No. H.015569.5

February 7, 2024





DOTD
LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

T. BAKER SMITH, LLC
A CENTURY OF SOLUTIONS

17927 Old Jefferson Highway
Prairieville, LA 70769

225.744.2100 (P) 1.866.357.1050 (TF)
www.tbsmith.com

February 7, 2024

Louisiana Department of Transportation and Development (LADOTD)
1201 Capitol Access Rd.
Baton Rouge, LA 70802

Re: LA 44: I-10 Roundabouts
Route: LA 44 & I-10; Ascension Parish
Contract No. 4400028432; State Project No. H.015569.5

Selection Committee:

Louisiana Department of Transportation and Development (LADOTD) identified the need for the design and development of construction plans for two multi-lane roundabouts at the interchanges of LA 44 and I-10 and another multi-lane roundabout at the intersection of LA 44 and West Edenborne Parkway with adjacent bridge improvements.

T. Baker Smith, LLC (TBS) offers to the LADOTD an integrated project team with the expertise and drive to design transportation enhancements in growing communities. Joining the TBS team are the highly regarded firms of Vectura Consulting Services, LLC (Vectura) and G.E.C., Inc. (GEC). Vectura, a Louisiana Disadvantaged Business Enterprise Program (DBE) and Small Business Element (SBE) firm, will provide expertise in traffic engineering. GEC will provide expertise in roadway and bridge engineering. The LADOTD needs a team with top-notch technical expertise coupled with the local area knowledge necessary to deliver highly effective and efficient engineering solutions for the LA 44: I-10 Roundabouts project. Our team offers:

- **Strong, proven leadership with diverse expertise.** Project Manager, **Kenny Belou, PE**, has successfully managed multiple roundabout, road improvement, and bridge projects in Ascension Parish and throughout the state. He is supported by professional and technical managers from TBS internal teams and our strategic partners at GEC and Vectura, who have encountered nearly every imaginable challenge related to traffic and transportation improvements. These challenges range from major utility conflicts and older existing infrastructure to complex sequencing of construction and stakeholder engagement. Kenny brings his unique experience to provide technical insight, strong knowledge of the local area, and collaborative working style to find the right solution for LADOTD.
- **Creative, solutions-oriented design.** TBS will achieve LADOTD's goals by developing creative solutions that evaluate components, safety, and constructability. Our multi-disciplinary team has the local experience and LADOTD knowledge to deliver this project. We have a proven history of delivering high-quality projects with similar design challenges throughout Louisiana including US 190 at Northshore and Camp Villere; I-12: US 190 to LA 59; I-10 Widening, Williams to Veterans; and LA 20 Widen: LA 307 – S. Vacherie.
- **Extensive familiarity and knowledge of LADOTD.** Our team has been working with LADOTD for decades on multiple projects resulting in firsthand knowledge of the personnel, policies, procedures, and mission/vision to create efficiencies in the design development process.

Choose TBS to turn your project ideas into reality.

Respectfully,

Andrée F. Cortez

Andrée F. Cortez, PE, PMP
Chief Operations Officer
985.493.2938 | Office
Andree.Cortez@tbsmith.com

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

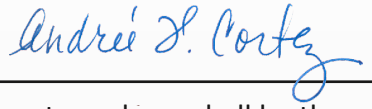
Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

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 title as shown in the advertisement	LA 44: I-10 ROUNDABOUTS
2. Contract number(s) as shown in the advertisement	4400028432
3. State Project Number(s), if shown in the advertisement	H.015569.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	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	17927 Old Jefferson Highway Prairieville, LA 70769
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	17927 Old Jefferson Highway Prairieville, LA 70769
8. Name, title, phone number, and email address of prime consultant's contract point of contact	TJ Stokes, PE | Practice Leader - Transportation 985-302-0728 | tj.stokes@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.



Signature above shall be the same person listed in Section 9:

February 7, 2024
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 %:
Vectura Consulting Services, LLC	6%

12. Past Performance Evaluation Discipline Table:
As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).

Past Performance Evaluation Discipline(s)	% of Overall Contract	T. Baker Smith (Prime)	G.E.C., Inc. (Subconsultant)	Vectura Consulting Services, LLC (Subconsultant)	Each Discipline must total 100%
Road	74%	65%	35%	0%	100%
Bridge	20%	85%	15%	0%	100%
Traffic	6%	0%	0%	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%	65%	29%	6%	100%

13. Firm Size:
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

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 A CENTURY OF SOLUTIONS	Principal	1	7
	Supervisor - Eng	2	4
	Engineer	4	20
	Engineer Intern	2	3
	Designer	1	5
	Senior Technician	1	24
	Technician	1	17
	Clerical	1	16
GEC	Engineer	4	12
	Supervisor - Eng	2	11
	Principal	3	5
	Engineer Intern	1	4
VECTURA	Supervisor - Eng	2	2
	Engineer	3	3
	Engineer Intern	1	2
	Inspector	0	2
	Supervisor – Other	0	1

14. Organizational Chart:

LA 44: I-10 Roundabouts
State Project No. H.015569.5
Contract No. 4400028432
Ascension Parish, LA

Key

T. Baker Smith (TBS)
G.E.C., Inc. (GEC)
Vectura Consulting Services, LLC (Vectura)

* TCS/TCT ATSSA Certified
\+ Flagger ATSSA Certified
< TEPR Modules I, II, III

Principal
TJ Stokes, PE * MPR #1

QA/QC
Andrée Cortez, PE, PMP MPR #2
Sherri LeBas, PE
Sheelagh Brin Ferlito, PE, PTOE *+< MPR #6

Project Manager
Kenny Belou, PE * MPR #3

Road
Kelly Radecker, PE * - Lead
Brady Smith, PE *
Justin Loup, EI *
Lisa Osborne
Jerome Lohmann, PE *
Christopher Nipper, PE <
Logan Michel, PE <
Many Heymann, PE

Utility Coordination
TJ Stokes, PE * - Lead MPR #1
Perry Smith, Jr. *

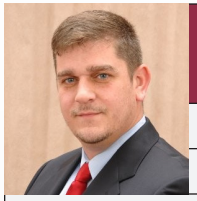
Bridge
Daniel Binet, PE * - Lead MPR #4
Brady Smith, PE * MPR #5
Daniel Fontenelle, EI *
Lawrence Toups, IV, PE, PMP *
Cary Bourgeois, PE MPR #4
Keith Rebello, PhD, PE MPR #5
Varaprasad Venkata, PE
Rachel Breaux, PE
Hector Zuniga, EI

Traffic
Laurence Lambert, PE, PTOE, PTP *+< - Lead MPR #6
Sheelagh Brin Ferlito, PE, PTOE *+< MPR #6
Reece Rodrigue, PE, PTOE, RSP1 *+<
Kristen Gahagan Farrington, PE, PTOE, RSP1 *+<
Bridget Scheyd Robicheaux, PE, PTOE (PT) *+<

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	License / certification expiration date
1	TJ Stokes, PE	TBS T. BAKER SMITH A CENTURY OF SOLUTIONS	Professional Engineer / Industrial Engineer / PE #40079	LA	03/31/2024
2	Andrée Cortez, PE, PMP		Professional Engineer / Civil Engineer / PE #31523	LA	03/31/2025
3	Kenny Belou, PE		Professional Engineer / Civil Engineer / PE #38850	LA	09/30/2024
4	Daniel Binet, PE		Professional Engineer / Civil Engineer / PE #42997	LA	03/31/2025
	Cary Bourgeois, PE	GEC	Professional Engineer / Civil Engineer / PE #23414	LA	09/30/2025
5	Brady Smith, PE	TBS T. BAKER SMITH A CENTURY OF SOLUTIONS	Professional Engineer / Civil Engineer / PE #45362	LA	09/30/2025
	Keith Rebello, PhD, PE	GEC	Professional Engineer / Civil Engineer / PE #24937	LA	03/31/2025
6	Sheelagh Brin Ferlito, PE, PTOE	VECTURA	Professional Engineer / Civil Engineer / PE #25383	LA	09/30/2025
	Laurence Lambert, PE, PTOE, PTP		Professional Engineer / Civil Engineer / PE #29901	LA	03/31/2024

16. Staff Experience:



Firm employed by: **T. Baker Smith, LLC**			
Name	**TJ Stokes, PE**	Years of relevant experience with this employer	3
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 / 03.31.2024
Year registered	2015	Discipline	Industrial
Contract role(s) / brief description of responsibilities			**Principal**; **Utility Coordination - Lead** / TJ will oversee the project as **Principal**, will serve as **Lead** for **Utility Coordination**, and satisfies **MPR #1**.

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).
TJ leverages 15 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. He successfully manages numerous SUE projects specializing in transportation and roadway projects. As the Lead Professional for Utility Engineering, he is currently overseeing the completion of LADOTD and MDOT retainer contracts along with numerous other public and private client projects. He also has extensive experience managing and overseeing utility coordination and design projects. TJ maintains the ATSSA Traffic Control Supervisor certification.	
05/21 - Ongoing	**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.
05/23 – Ongoing	**MA-22-05, 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.
10/21 - 03/22	**S.P. No. H.014747.5, Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA** - Contract administrator/Engineer of Record. Responsible for all Subsurface Utility Engineering Quality Level B and Quality Level C services and performed QA/QC on the topographic survey submitted to LADOTD to ensure compliance with ASCE 38-02. Ensured all work was completed within the truncated time frame.
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.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

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

Degree(s) / Years / Specialization			Bachelor of Science / 1999 / Civil Engineering
Active registration number / state / expiration date			PE.31523 / Louisiana / 03.31.2025
Year registered	2004	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Quality Assurance/Quality Control** / Andrée will provide **QA/QC** expertise for the project and satisfies **MPR #2**.

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).
Andrée Cortez, PE, PMP is Chief Operations Officer at TBS with over 24 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.	
02/20 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** – Principal in Charge, 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.
12/19 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** - Principal in Charge, QA/QC Lead. Andrée coordinates and manages the project team for all phases of the project lifecyle from project kickoff to pre-design activities for survey and SUE to transportation design. She provides project oversight and QA/QC and oversees project deliverables for all project tasks to ensure client satisfaction.
02/17 - 3/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** – Principal In Charge. Andrée oversaw all bridge design tasks for the widening of I-12 bridges over the Tammany Trace utilizing AASHTO Type III Precast, pre-stressed girders with varying skewed spans, in vertical curve, designed girders and deck using various programs including LEAP CONSPAN, STAAD and BrR (Virtis). She provided QA/QC for the substructure design using STADD ProV8i and LEAP CONSPAN for the prepared framing and foundation plans. Andrée assisted with bridge plan production including partial demolition plans and construction phasing for the four-mile Interstate widening project. She is also providing construction support by reviewing and responding to construction submittals, shop drawings, and RFI’s.
03/17 - 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Principal in Charge. Supervised all bridge design tasks for the widening of LA 20 including bridge replacement using split-phase construction methods. Supervised superstructure and substructure design using various programs including LEAP CONSPAN, STADD ProV8i, prepared construction phasing details, foundation plans and assisted with bridge plan production.
08/20 - Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** – Principal in Charge, 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.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Kenny Belou, PE**	Years of relevant experience with this employer	1
Title	**Lead Professional, Transportation**	Years of relevant experience with other employer(s)	17

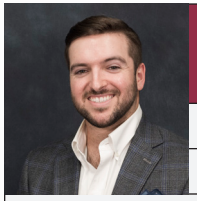
Degree(s) / Years / Specialization			Bachelor of Science / 2009 / Civil Engineering
Active registration number / state / expiration date			PE.38850 / Louisiana / 09.30.2024
Year registered	2014	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Project Manager** / Kenny will manage the overall project for LADOTD as **Project Manager** and satisfies **MPR #3**.

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).
Kenny Belou, PE is TBS' lead engineer 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 designed projects in accordance with LADOTD's Road Design Manual, Complete Streets Manual, Hydraulics Manual, Bridge Manual, AASHTO's Geometric Design of Highways and Streets, and the LADOTD Standards and Specifications for Roads and Bridges. Kenny also has experience delivering projects through alternative delivery methods including CMAR. Kenny maintains the ATSSA Traffic Control Supervisor (TCS).	
10/22 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** – Project Manager. Kenny is responsible for the design and plan preparation of a single lane urban roundabout at the intersection of LA 621 and Roddy Road. Responsible for quality control review on plans and design elements (horizontal and vertical alignments, drainage, sequence of construction, roadway geometrics, typical sections), design criteria and project calculations. Responsible for the coordination with subconsultants, Ascension Parish, the Move Ascension Program Manager, and LADOTD.
10/22 - 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** - Project Manager. Kenny was responsible for the construction administration and construction support. He was responsible for the development of a revised permanent pavement marking plan to tie in to the adjacent I-12 widening project. He coordinated with the design engineer responsible for the adjacent widening project along with the LADOTD project manager to successfully complete the work. At the request of the LADOTD project manager, Kenny provided a quality control review of the adjacent project's plan sheets and provided comments on necessary revisions to met current LADOTD standards. The accelerated schedule for the I-12 Widening project required constant communication and collaboration to complete construction support tasks.
10/22 - 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** - Project Manager and Engineer of Record for Road Design. 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 entire 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.

16. Staff Experience: **Kenny Belou, PE - continued**

10/22 - Ongoing	**MA-18-07, Braud Road at Germany Road Roundabout; Ascension Parish Government; Ascension Parish, LA** – Project Manager. Kenny is responsible for the design and plan preparation of a single lane roundabout at the intersection of Braud Road and Germany Road. Responsible for quality control review on plans and design elements (horizontal and vertical alignments, drainage, sequence of construction, roadway geometrics, typical sections), design criteria, and project calculations. Responsible for the coordination with subconsultants, Ascension Parish, and the Move Ascension Program Manager.
10/22 - 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** – Project Manager. Kenny was responsible for quality control review on plans, design criteria and project calculations for the multi lane roundabout at the intersection of US 190 and Northshore Blvd and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. Responsible for the coordination with subconsultants and LADOTD on the project deliverables.
01/21 – 10/22 previous employer	**Bainbridge Canal Closure and Roadway Improvements; Jefferson Parish; Kenner, LA** – Project Engineer. Kenny was responsible for plan development which included roadway widening and replacement and large-scale drainage design. He also served as the point of contact for several subconsultants, including G.E.C., Inc., who contributed to the project execution. Kenny provided QA/QC on all plans submitted by GEC and other firms.
10/22 - Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** - Overall Project Manager. The scope for phases 1 and 2 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.
07/22 – 10/22 previous employer	**S.P. No. H.015101, US 61 Superstreet: Lowes at LA 44 Roundabout; Ascension Parish; Ascension Parish, LA** - Project Manager. Kenny served as the project manager for this critical urban roundabout project on LA 44 in Ascension Parish. The project scope included the design of a multi-lane roundabout on LA 44 at the intersection with Lowes Ave as well as intersection improvements at the nearby E Bayou Narcisse Road. Kenny led the project planning effort and coordination with LADOTD, Ascension Parish, and the Parish's program manager. Other tasks included: scheduling, allocation of staffing resources, and coordination and oversight of subcontractors (including survey, right-of-way mapping, subsurface utility engineering, and geotechnical).
01/22 - 10/22 previous employer	**S.P. No. H.014374, No. US 11 at Spartan Drive Roundabout; LADOTD; City of Slidell, LA** - Project Manager and Project Engineer for the design and plan preparation. Project scope included the construction of multi-lane roundabout located at US Hwy 11 and Spartan Drive in Slidell, LA. Also included in scope was subsurface drainage and pedestrian and bicycle facilities to meet Complete Streets requirements. Tasks include: Job planning, design, coordination and oversight of sub-contractors, including topographic survey, geotechnical, and right-of-way plan development. Coordination with owner and LADOTD. Design tasks included roundabout conceptual layout, AutoTURN analysis, and subsurface drainage design.
02/18 -10/22 previous employer	**S.P. No. H.013850, Duplessis Road Widening; Ascension Parish Government; Ascension Parish, LA** - Project Manager and Supervisor Engineer. Kenny was the Project Manager and Supervisor Engineer for the design and plan preparation. Project scope for this urban roadway included road widening for the 1.65-mile project length, roadway curve realignment, open ditch drainage, and subsurface drainage as part of the Move Ascension Program. The design incorporates minimizing the disruption to properties along the roadway as well as improving the safety of the corridor. Also included was a new railroad crossing approach and crossing. Tasks included: Job planning; design; coordination and oversight of subcontractors and geotechnical; coordination with owner, program manager, and LADOTD. He was responsible for all design included horizontal and vertical alignments including superelevation, intersection design, drainage design, and railroad approach design.
11/13 - 08/16 previous employer	**S.P. No. H.007855, LA 431 at LA 934 Intersection Improvement; LADOTD; Ascension Parish, LA** - Project Engineer for the design and plan preparation. Project scope is intersection improvements including road widening, addition of left turn lanes on LA 431, addition of right turn lane on LA 934, subsurface drainage at intersection, open ditch drainage. Design tasks included subsurface drainage design, cross drain analysis, horizontal road geometry, pavement markings and signing layout, and sequence of construction.

16. Staff Experience:



Firm employed by: **T. Baker Smith, LLC**			
Name	**Daniel Binet, PE**	Years of relevant experience with this employer	10
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
Contract role(s) / brief description of responsibilities			**Lead Transportation Engineer - Bridges** / Daniel will manage all aspects of the Bridge Design elements for the project and satisfies **MPR #4**.

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).
Daniel Binet, PE is the Lead Engineer, Bridges at TBS with over 10 years of experience in civil and structural engineering. His experience includes project/task management, urban and rural bridge replacement and rehabilitation design, bridge widening, bridge inspection, structural analysis, split phase construction sequencing, roadway design, hydrologic/hydraulic analysis, construction support, and development of construction quantities and estimates. Daniel is very familiar with the 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. Daniel is also a certified NBIS Bridge Inspection Team Leader and holds ATSSA Traffic Control Supervisor (TCS) certification.	
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.
03/16 - 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Engineer of Record for Bridge Design/Project Engineer. Daniel served as an EOR for the asymmetrical widening of 2.7 miles of LA 20 near Vacherie, LA as a part of a rural arterial widening project. He performed all bridge replacement design tasks which included bridge replacement using split-phase construction methods, superstructure and substructure design using various programs including STADD ProV8i, prepared construction phasing details, foundation plans, and led overall bridge plan production efforts. Additionally, Daniel assisted with roadway widening tasks including sequencing and plan production.
09/18 - Ongoing	**S.P. No. H.001344, US 190: LA 437; LADOTD; St. Tammany Parish, LA** – Engineer of Record/Project Engineer. This project serves to design and construct a new westbound bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge features horizontal and vertical curvature with super-elevation near 4%. Adjacent roadway sections are also being improved and widened. Daniel performed

16. Staff Experience: **Daniel Binet, PE - continued**

- continued-	bridge design tasks including a Bridge Alternative Study; developed Type, Size and Location (TS&L) plans for prestressed concrete (LG) girder spans and curved steel plate spans; and developed preliminary & final bridge plans for a column supported, 1,400' long bridge using LG 36 and LG 54 prestressed concrete girders. He produced foundation layouts, typical sections, general plan and elevation sheets, and structural details for the new bridge over the Bogue Falaya River as part of this Urban Arterial widening project. Daniel is also providing bridge and structural construction support.
05/20 - 10/20	**City of Covington Bridge Inspections and Capital Bridge Program; City of Covington; St. Tammany Parish, LA** - Project Manager. Daniel performed on-site visual and physical inspections of 13 City-owned bridges and recorded findings and recommendations on bridge inspection reports. Where necessary, he informed the City of bridges for which TBS recommended immediate Load Resistance Factor Rating (LRFR) be conducted for additional considerations. Daniel oversaw the creation of a Capital Bridge Program which provided replacement/rehabilitation recommendations and anticipated construction costs for the City to use when making future infrastructure decisions.
06/19 - ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** – Engineer of Record/Project Manager. The overall project scope for phases 1 & 2 included the replacement of 87 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.
06/13 - 04/16	**Bayou Gardens Blvd. Extension: LA 660 to LA 316, 07-EXT-22; Terrebonne Parish Consolidated Government; Terrebonne Parish, LA** – Project Engineer. Daniel provided structural and roadway design for the 1.6-mile, four-lane roadway extension (UA-2) in Houma, LA. This included signal upgrades and turn lanes on state routes LA 660 and LA 316. He performed reinforced concrete slab span superstructure and substructure design, QC, and load rating for a 7- span, curved structure with pile supported approach slabs. Additionally, Daniel performed topographic surveying and assisted with roadway design including drainage, geometrics, maintenance of traffic, utility relocation, and plan production.
11/21 - 12/22	**Tammany Trace Bridge Inspections; St. Tammany Parish Government; St. Tammany Parish, LA**– Project Manager. Daniel coordinated and completed visual and physical inspection efforts on 30 pedestrian bridges along the Tammany Trace path in St. Tammany Parish. He coordinated and provided QAQC review for all individual inspection reports which included condition ratings and replacement/rehabilitation recommendations.
03/17 - 12/18	**W. 29th Ave./Mile Branch Bridge Rehabilitation; City of Covington; St. Tammany Parish, LA** - Project Manager. Daniel performed an onsite visual and physical condition inspection of the structure. During the inspection, several piles were found to have advanced decay and hollowing as well as erosion under the abutments and curtain walls. TBS immediately informed the City of these findings and performed a LRFR on the existing structure. Daniel oversaw the design and plan production for an emergency rehabilitation of this urban bridge which included new piles and a new concrete bent while utilizing the existing superstructure.
10/22 - Ongoing	**S.P. No. H.015339, IIJA Off-System Bridge Replacement Program; LADOTD; District 08** – Engineer of Record/Project Manager. The overall project scope includes the replacement of 12 off-system bridges in Central Louisiana. Daniel is performing QC review of topographic surveys & serves 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 reinforced concrete slab spans & box culverts.
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.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**			
Name	**Brady Smith, PE**	Years of relevant experience with this employer	2
Title	**Project Manager, Transportation**	Years of relevant experience with other employer(s)	6

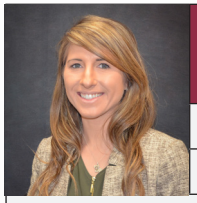
Degree(s) / Years / Specialization			Bachelor of Science / 2016 / Civil Engineering
Active registration number / state / expiration date			PE.45362 / Louisiana / 09.30.2025
Year registered	2021	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Road - Engineer; Bridge - Engineer** / Brady will manage aspects of both Road and Bridge Design as the project requires and satisfies **MPR #5**.

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).
Brady Smith, PE serves as a project engineer for projects that include bridge replacements, roadway design, hydrologic and hydraulic analysis, and drainage design. He has experience in a wide variety of LADOTD projects including bridge replacements, bridge inspections, bridge load ratings, roundabouts, interstate ramps, and roadway widening. Brady is experienced in AASHTO and LADOTD’s Geometric Design Guidelines as well as Bentley InRoads, MicroStation, AutoTURN, Torus, GeoHECRAS, and LADOTD’s HYDRWIN programs. Brady has completed the FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers training and CPTP SCS Cybersecurity WBT training as required by LADOTD. He is a certified ATSSA Traffic Control Supervisor (TCS).	
02/22 – Ongoing	**Rural Bridge Replacement Initiative (Phase 2); LADOTD; Districts 04 and 05** – Engineer of Record. Lead engineer for the design and plan production of 13 bridge replacements (6 state projects) throughout North Louisiana. Responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometric layouts, and cost estimates. Brady is also responsible for the load rating analysis and report for 6 of the proposed structures and quality control for the other 7 proposed structures. Brady is responsible for reviewing and assisting in the submission of all Environmental deliverables including Wetland Delineations. Brady also oversees the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers.
04/17- 02/19 previous employer	**S.P. No. H.010124, LA-16: Roundabout at LA-447; LADOTD; Livingston Parish, LA** – Project Engineer. Responsible for roadway full-sized plan preparation, subsurface drainage design, curb and gutter drainage design, roundabout geometric design, construction phasing, temporary traffic control, required right of way determination and cost estimation. Scope included replacing a 3-way stop intersection with a single-lane roundabout, which includes a bypass lane from westbound LA-16 to northbound LA-447. Also coordinated with the Environmental section and prepared permit drawings to be used to obtain project clearance.
06/22 – Ongoing	**Eagles Nest Ct. Bridge Rehabilitation; Mockler Beverage; Houma, LA** – Project Manager and lead load rating engineer for the inspection, load rating, and rehabilitation design for the Eagles Nest Ct. bridge in Houma, Louisiana. Brady is responsible for the development of the bridge inspection report, load rating of the existing bridge, rehabilitation recommendation, rehabilitation design and As-Built load rating of the proposed structure. Scope includes temporarily removing one of the spans, replacing a bridge bent, and placing the span back on the bridge.
03/17- 02/19 previous employer	**S.P. No. H.012852, I-20 WB Off Ramp at LA-617; LADOTD; Ouachita Parish, LA** – Project Engineer. Responsible for roadway full-sized plan preparation, ramp geometric design, construction phasing, temporary traffic control and cost estimation. Scope included replacing a single yield-controlled right turn lane with two signal-controlled right turn lanes.

16. Staff Experience: **Brady Smith, PE - continued**

02/19 – 02/22 previous employer	**S.P. No. H.004396, Lapalco Boulevard Movable Bridge over Harvey Canal; Jefferson Parish Government; Jefferson, LA** – Project Engineer for the pre-design inspection and load rating of the existing four-lane Lapalco Boulevard bridge in in Westwego, Louisiana. The scope for the existing bridge included converting the four-lane bridge to three lanes with a new pedestrian/bike lane. Brady was responsible for assisting the lead bridge engineer in the inspection of the existing bridge, development on the bridge inspection report, load rating of the existing bridge, and rehabilitation recommendation.
01/20 – 02/22 previous employer	**S.P. No. H.014530, Almonaster Avenue Railroad Bridge over the Industrial Canal Rehabilitation; Port of New Orleans; New Orleans, LA** – Project Engineer for the design and plan production for the partial replacement/rehabilitation of the Almonaster Avenue Bridge, a movable Strauss-heel trunnion bridge. Brady was responsible for designing and drafting the construction plans for the road rehabilitation, which included a new roadway connecting Old Gentilly Road to the Almonaster Bridge, as well as assisting the lead bridge engineer in designing the structural rehabilitation plans for the bridge as well as the machinery house support system.
02/19 – 02/22 previous employer	**SR-605 Movable Bascule Bridge Over Industrial Waterway; MDOT; Harrison County, MS** – Project Engineer for the rehabilitation design and plan production for the Cowan-Lorraine Bridge in Harrison County, Mississippi. Scope included full rehabilitation of the existing bridge by replacing the bridge machinery and electrical system, structural rehabilitation, operator house rehabilitation and a new reinforced concrete generator platform. Brady was responsible for designing and detailing the new generator platform as well as assisting the lead bridge engineer with designing and drafting for the structural and operator house rehabilitation.
02/19 – 02/22 previous employer	**SR-609 Movable Bascule Bridge Rehabilitation; MDOT; Jackson County, MS** – Project Engineer for the rehabilitation design and plan production for the SR-609 bascule bridge in Ocean Springs, Mississippi. Scope included inspection and rehabilitation of structural, mechanical, and electrical bridge components, roadway approaches and development of maintenance and repair plans. Brady was responsible for assisting the lead bridge engineer with design and drafting for the structural rehabilitation of the bridge components.
07/19 – 08/20 previous employer	**Lake Pontchartrain Causeway Safety Bay Improvements; Greater New Orleans Expressway Commission (GNOEC); Metairie/Mandeville, LA** – CE&I Project Engineer. Brady was responsible for providing construction engineering and inspection services required during the safety bay improvement project, which included fabrication and installation of pre-stressed piles and girders, caps, and bridge decks. He performed the on-site project representation to ensure that all construction activities were being installed according to the design documents and project specifications, which included field monitoring, documentation, preparation of daily reports, participation in construction progress meetings, and construction close out. Scope included bridge widening for 12 segments of the Lake Pontchartrain Causeway.
01/17 – 02/19 previous employer	**S.P. No. H.008312, LA 1042 Bridges Near Greensburg; LADOTD; St. Helena Parish, LA** – Project Engineer. Brady was responsible for roadway full-sized plan preparation, bridge approach geometric design, diversion road geometric design, construction phasing, temporary traffic control, required right-of-way determination and cost estimation. Scope included replacing three treated timber trestle bridges along LA-1042 with two reinforced concrete box culverts and one slab span bridge. Diversion roads were required at all three sites for traffic maintenance during construction.

16. Staff Experience:



Firm employed by: **T. Baker Smith, LLC**

Name	**Kelly Radecker, PE**	Years of relevant experience with this employer	4
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 / 03.31.2024
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Lead Transportation Engineer - Road** / Kelly will manage all aspects of the Road Design elements on the project.

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).
	Kelly Radecker, PE is the Lead Roadway Engineer for our Transportation Engineering team. Kelly will serve as the overall road design lead for this contract. Prior to joining T. Baker Smith, Kelly gained valuable transportation experience while employed by LADOTD. Kelly is notably experienced in the design of roundabouts, roadway widening, drainage design, 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 very familiar with AASHTO standards and guidelines as well as NCHRP Research Report 1043 Guide for Roundabouts which serves as the national guide for roundabout planning, analysis, design, and construction. Her experience has included project/task management, development of horizontal and vertical geometrics, typical sections, roadway drainage calculations, earthwork design, construction sequencing, Engineering Reasoning and Decision Document for signing plans, development of quantities, and construction cost estimates. She is skilled in development of roadway models and design, hydraulic analysis, and sign design utilizing MicroStation, InRoads, AutoTURN, Torus, HYDRWIN, GeoHECRAS, and SignCAD. She has completed the following training: FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/LTRC and CPTP SCS Cybersecurity WBT training. She also holds the ATSSA Traffic Control Supervisor (TCS) certification.
02/20 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** – Engineer of Record. Kelly was the Lead Roadway Engineer for the design and plan preparation of an urban multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and an urban single lane roundabout at the intersection of US 190 and Camp Villere. She was 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 temporary traffic signal design and roadway striping and signing sheets.
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.

16. Staff Experience: **Kelly Radecker, PE - continued**

05/19 – 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** – Project Engineer. Kelly developed highway signing design plans for I-12 between US 190 and LA 59. Including signing layout plans, ground mounted sign support locations, overhead sign support footing locations, and guardrail design for sign installation. She developed sign shop drawings for the non-standard signs using SignCAD, clearance diagrams for overhead signs, and developed the Engineering Record of Decisions Document (ERDD).
05/19 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Project Engineer. Kelly assisted with QA/QC of signing and striping plans, drafted a design exception for shoulder width, and worked on the utility conflict matrix.
07/19 - Ongoing	**MA-18-07, Braud Road at Germany Road Roundabout; 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 Braud Road and Germany Road. 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.
08/20 - Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** - Engineer of Record. Kelly is the Lead Engineer for the design and plan production of 19 bridge replacements (5 state projects) 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.
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.
12/23 - Ongoing	**S.P. No. H.015555, LA 1077/Brewster Rd Roundabout; St. Tammany Parish Government; St. Tammany 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 1077 and Brewster Rd. She is 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.
09/17 – 05/19 previous employer	**S.P. No. H.012393, LA 98: Roundabout at Mills Street; LADOTD; Lafayette Parish, LA** – Project Engineer. Kelly designed and prepared plans for an urban single lane roundabout at the intersection of LA 98 and Mills St. in Lafayette Parish. She was responsible for the design of H&V alignments, roundabout geometrics, AutoTURN movements, typical pavement sections, construction sequencing and quantity take-offs. Also assisted in the creation of plan sheets and design documentation.
03/17 – 03/18 previous employer	**S.P. No. H.011314, LA 22: Near I-10 Geometric Improvements; LADOTD; Ascension Parish, LA** – Project Engineer. Kelly designed and prepared plans for an urban single lane roundabout at the intersection of LA 70 and LA 22 in Ascension Parish. She assisted in the design of the roundabout geometrics and AutoTURN movements. Kelly also assisted in the geometric and plan and profile sheets, as well as the development of project pay items, summary sheets, quantity take-offs and cost estimates.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Lawrence Toups, PE**	Years of relevant experience with this employer	5
Title	**Lead Professional, Construction Engineering & Inspection (CE&I)**	Years of relevant experience with other employer(s)	16

Degree(s) / Years / Specialization			Bachelor of Science / 2002 / Civil Engineering
Active registration number / state / expiration date			PE.35155 / Louisiana / 03.31.2024
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Bridge - Inspection** / Lawrence will serve as an **Engineer** and perform **Bridge Inspection** for the project.

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).
	Lawrence “Larry” Toups, PE is T. Baker Smith’s Lead Professional for Construction Engineering and Inspection and a seasoned project manager with over 21 years of experience conducting, leading, and managing infrastructure inspection, construction, and rehabilitation projects. He has served as Project Manager and Resident Engineer for several major public and private infrastructure projects in Louisiana and Texas. He has also conducted condition inspections, repair design, and project management for numerous bridge and roadway replacement and rehabilitation projects, including precast/prestressed concrete I-beam and box beam bridges, steel through-truss and deck truss bridges, steel girder bridges, and movable bridges, to include bascule, swing span, and vertical lift types. He supervises the entire construction engineering effort and construction quality assurance program for TBS. He has also served as an inspection team leader in the in-depth inspection of numerous major highway and railway bridges. He served as the resident engineer for several fixed and movable bridge rehabilitation projects over an 8-year period, ensuring that repairs and rehabilitation were implemented in accordance with the plans and specifications, and that all work was performed in accordance with AREMA or AASHTO requirements. Larry holds the following credentials: Project Management Professional (PMP #3707231); ATSSA Traffic Control Supervisor (TCS); LADOTD Structural Concrete; USACE Construction Quality Management; LADOTD Structural Concrete Inspector; and FHWA NHI Bridge Inspection Refresher Training.
11/02-11/18 previous employer	**Huey P. Long Bridge Inspection; New Orleans Public Belt Railroad and LADOTD; New Orleans, LA** – Bridge Inspection Team Leader. Team Leader for the annual inspection of the steel truss bridge over the Mississippi River in New Orleans, LA. Performed hands-on inspection of the bridge piers, deck trusses, and through-truss spans using advanced climbing techniques (technical and rope access). Consolidated inspection observations and reporting requirements and supervised the building of the final inspection report issued to the owner.
06/02-11/18 previous employer	**Crescent City Connection Bridge Inspection; LADOTD; New Orleans, LA** – Bridge Inspection Team Leader. Team Leader for the annual inspection of the steel truss bridges over the Mississippi River in New Orleans, LA. Performed hands-on inspection of the bridge piers, deck trusses, and through-truss spans using advanced climbing techniques (technical and rope access), under-bridge inspection vehicles and man lifts. Consolidated inspection observations and reporting requirements and supervised the building of the final inspection report issued to the owner.
12/21 – 01/23	**Tammany Trace Bridge Inspection; St. Tammany Parish Government; St. Tammany Parish, LA** – Project Manager and Lead Inspector. Lead the effort to perform condition inspections of 30 pedestrian bridges (formerly timber railroad bridges) in St. Tammany Parish as part of the Tammany Trace walking path. Performed hands-on in-depth inspections, created inspection reports to meet federal reporting requirements, developed repair estimates, and submitted reports package to client for use in allocating funds for bridge repairs and replacements.

16. Staff Experience: **Lawrence Toups, PE - continued**

07/23 - Ongoing	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** - Construction Project Manager. Performed document reviews, RI cost estimating, scope development for RI, and CE&I and RI estimates.
06/02-11/18 previous employer	**Inner-Harbor Navigation Canal Quarterly Bridge Inspections; Port of New Orleans; New Orleans, LA** – Bridge Inspection Team Leader. Team Leader for the quarterly inspection of three Strauss Trunnion single leaf bascule bridges and one vertical lift bridge in New Orleans, LA. Performed hands-on inspection of the bridge piers, counterweights, lift spans, counterweight spans, machinery, and control systems using advanced climbing techniques (technical and rope access). Consolidated inspection observations and reporting requirements and supervised the building of the final inspection report issued to the owner.
11/17 - 11/18 previous employer	**S.P. No. H.009730.5, UT Bridge Pin & Hanger Inspection; LADOTD; Statewide, LA** – Project Manager. Scope: UT inspect 608 bridge pins and hangers of 22 steel girder bridges for the LADOTD. Supervised the technical efforts of the inspectors on site. Monitored the staffing, scope, and budget of the project to ensure a successful and profitable outcome. Coordinated with contractors, the owners' representatives, and other project managers in order to enable the bridge pins and hangers to be inspected according to the contract documents and within time limitations and budget.
05/23 – Ongoing	**S.P. No. H.011137.6, I-12 Widening: LA 1077 to LA 21; LADOTD; Covington, LA** – Project Manager and Resident Engineer. Managed a project to widen I-12 and the LA21 overpass bridges in St. Tammany Parish. Supervised the technical effort of the construction engineering and inspection team on site representing the LADOTD. Ensured that all QC/QA processes were being implemented effectively and handled routine administrative tasks (pay estimates, change orders, RFIs, submittals, etc.). Coordinated with contractors, the owner's representatives, and other project managers in order to enable the interstate to be widened according to the contract documents and within time limitations and budget.
11/18 – 03/20	**Move Ascension; Ascension Parish Government; Ascension Parish, LA** - Construction Engineering and Inspection Group Leader. Managed a project to rehabilitate and upgrade various roadways and bridges throughout Ascension Parish. Larry led a bridge inspection for this project and is providing additional construction administration and technical construction oversight of assigned bridge construction projects later in the year.
01/11 - 12/12 previous employer	**Lapalco Blvd Bascule Bridge Rehabilitation Additional Repairs; Jefferson Parish Government; Jefferson Parish, LA** - CE&I Project Manager. Managed a project to rehabilitate the Lapalco Blvd Bascule Bridge in Harvey, LA. Supervised the technical effort of the construction, mechanical, and electrical engineering and inspection teams on site representing Jefferson Parish. Supervised the technical effort of the resident engineer, mechanical, and electrical teams on site with construction engineering and inspection. Ensured that all QC/QA processes were being implemented effectively and the Resident Engineer handled routine administrative tasks (pay estimates, change orders, RFIs, submittals, etc.). Coordinated with contractors, the owner's representatives, and project managers in order to enable the bridge to be rehabilitated according to the contract documents and within time limitations and budget.
01/11 - 12/12 previous employer	**Hurricane Creek Bridge Emergency Repairs; Alabama & Gulf Coast (AGCRR); Tuscaloosa County, AL** - Resident Engineer. Scope: the first half of repair effort to restore a deck plate girder RR bridge back to service after being knocked out by a tornado. Supervised the technical effort of the construction engineering and inspection team on site representing AGCRR. Performed initial damage assessment inspection. Assisted with developing repair designs and specifications. Ensured that all QC/QA processes were being implemented and that the repair design was properly implemented. Coordinated with contractors, the owners' representatives, and project managers in order to enable the bridge to be repaired according to the contract documents and within time limitations and budget.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Justin Loup, 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.35451 / Louisiana / 09.30.2025
Year registered	2023	Discipline	Civil Engineering Intern
Contract role(s) / brief description of responsibilities			**Road - Engineer Intern** / Justin will serve as a **Road Engineer Intern** for the project.

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).
Justin Loup, EI is an engineering intern for the TBS transportation group and assists with road design, bridge design, production of engineering drawings and plan sets, and interpretation of LADOTD standard plans. He maintains the ATSSA Traffic Control Supervisor (TCS) certification.	
12/19 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** - Engineering Support. Justin assisted in the development striping and signing plans and assisted by providing engineering support by producing engineering drawings and plan sets, reviewed engineering drawings, interpreted LADOTD standard plans, performed roadway calculations, design of drainage structures, performed quantity calculations, and assisted in the design of the sequence of construction.
02/20 - 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** – Engineering Support. Assisted by producing engineering drawings and plan sets, geometric details, design of drainage structures, performed quantity calculations, and assisted in the design of the sequence of construction.
05/19 - 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** – Project Engineer. Justin assisted with drafting roadway and bridge plans and populated summary tables. He helped develop as-built plans. Justin provided median barrier calculations, field survey, sign inspections, and assisted with road design. Justin supported the development of the sign plans and Engineering Reasoning and Decision Document.
05/19 - 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Project Engineer. Justin assisted with bridge design and produced engineering drawings and plan sets, temporary erosion control sheets, pavement marking sheets, and Reference Points and Benchmark Elevation sheets, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, guard rail design, quantifying bridge and roadway elements, and cost estimates.
08/20 - Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** – Project Engineer. Justin assisted in producing engineering drawings and plan sets, developing horizontal and vertical roadway alignments, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, guard rail design, quantifying bridge and roadway elements, cost estimates, and attending plan-in-hand meetings with the client regarding the project’s status and questions.
07/19 - Ongoing	**MA-18-07, Braud Road at Germany Road Roundabout; Ascension Parish Government; Ascension Parish, LA** – Project Engineer. Justin was responsible for the drainage design. He also assisted by providing engineering support by producing engineering drawings and plan sets, temporary traffic control measures, performed quantity calculations, and assisted in the design of the sequence of construction.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Daniel Fontenelle, EI**	Years of relevant experience with this employer	2
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 / 03.31.2024
Year registered	2021	Discipline	Civil Engineering Intern
Contract role(s) / brief description of responsibilities			**Bridge - Engineer Intern** / Daniel will serve as a **Bridge Engineer Intern** for the project.

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).
Daniel Fontenelle, EI has over two years of experience in civil engineering, with expertise in 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. He also maintains the ATSSA Traffic Control Supervisor (TCS) certification.	
07/21 - 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Engineering Support. Daniel assisted in plan and detail development, quantifying bridge & roadway elements, & reviewing structural drawings.
07/21 - 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA** - Engineering Support. Assisted by providing engineering support by producing engineering drawings and plan sets, reviewed engineering drawings, interpreted LADOTD standard plans, performed roadway calculations, design of drainage structures, and performed quantity calculations.
07/21 - 03/23	**S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA** - Engineering Support. Provided construction support, including RFI, shop drawing, and submittal review, and assisted with striping design and layout plans.
07/21 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** - Engineering Intern. Assisting by producing engineering drawings and plan sets, reviewed engineering drawings, interpreted LADOTD standard plans, performed roadway calculations, design of drainage structures, performed quantity calculations, and assisted in the design of the sequence of construction.
07/21 - Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** – Project Engineer. Daniel is assisting in producing engineering drawings & plan sets, developing horizontal & vertical roadway alignments, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, designing rebar layouts, guard rail design, quantifying bridge & roadway elements, compiling & developing load rating reports, cost estimates, & attending plan-in-hand meetings with the client regarding the project's status and questions. He also utilized GEO-HECRAS to perform hydraulic & scour calculations.
11/21 – 09/22	**Tammany Trace Bridge Inspections; St. Tammany Parish Government; St. Tammany Parish, LA** – Project Engineer. Daniel assisted the Inspection Team Leader and conducted inspections of 30 pedestrian bridges along the Tammany Trace Path. He performed hands on inspection of all structural components & identified deficiencies, developed sketches of each bridge using MicroStation, assisted in compiling reports, and aided in the project's contract development.
06/22 – 09/22	**City of Covington Bridge Inspections and Capital Bridge Program; City of Covington; St. Tammany Parish, LA** – Project Engineer. Daniel assisted the Inspection Team Leader and conducted inspections of several City owned bridges in Covington, LA. He performed hands on inspection of all structural components & identified deficiencies, developed sketches of each bridge using MicroStation, and assisted in compiling reports.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Lisa Osborne**	Years of relevant experience with this employer	9
Title	**Sr. Project Designer**	Years of relevant experience with other employer(s)	34

Degree(s) / Years / Specialization			N/A
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			**Road - Sr. Project Designer** / Lisa will support the engineering team as a **Senior CAD Designer**.

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).
Lisa Osborne is a senior project designer at TBS 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.	
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.
02/20 – 12/22	**S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA -** Senior Project Designer. Created roadway templates and developed corridor model for the urban multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and the urban single lane roundabout at US 190 and Camp Villere Rd. Created graphical grading sheets from the roadway model to derive accurate cross sections and earthwork volumes. Lisa was also responsible for the creation of several plan sheets including Plan & Profile Sheets, Typical Sections, Geometric Layouts, Joint Layouts and Cross Sections. Assisted in the determination of several quantities including earthwork, asphalt, concrete curb and gutter, and PCC pavement.
05/18 - Ongoing	**MA-18-07, Braud Road at Germany Road Roundabout; Ascension Parish Government; Ascension Parish, LA** - Senior Project Designer. Created roadway templates and developed corridor model for the urban single lane roundabout at the intersection of Germany Rd. and Braud Rd. Created graphical grading sheets from the roadway model to derive accurate cross sections and earthwork volumes. Lisa was also responsible for the creation of several plan sheets including Plan & Profile Sheets, Typical Sections, Geometric Layouts, Joint Layouts and Cross Sections. Assisted in the determination of several quantities including earthwork, asphalt, concrete curb and gutter and PCC pavement.

16. Staff Experience: **Lisa Osborne - continued**

12/19 - Ongoing	**S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA** - Senior Project Designer. Created roadway templates and developed corridor model for the urban single lane roundabout at LA 621 and Roddy Rd. Created graphical grading sheets from the roadway model to derive accurate cross sections and earthwork volumes. Lisa was also responsible for the creation of several plan sheets including Plan & Profile Sheets, Typical Sections, Geometric Layouts, and Cross Sections. Assisted in the determination of several quantities including earthwork, asphalt, concrete curb and gutter and PCC pavement.
07/17 – 04/23	**S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA** – Senior Project Designer. Assisted with roadway design efforts for the widening of 2.7 miles of LA 20 to add shoulders. Created roadway templates and corridor model, determined limits of construction, derived roadway quantities, create and annotated cross sections including earthwork volumes. She also assisted in determining the different levels of embankment required due to roadway widening and settlement.
01/14 – 05/21	**S.P. No. H.004113, LA 3241: LA 435 to LA 40/LA 41; LADOTD; St. Tammany Parish, LA** – Senior Project Designer. Performed roadway designer activities including roadway corridor modeling of roadway design, open ditches, median cross overs, and intersections utilizing InRoads and AutoTURN. Develop plan sheets using Plan and Profile Productions tools within InRoads for the new 5.5 mile, four lane rural arterial roadway from LA 435 to Bush, LA. Sheets created were Typical Sections, Plan and Profile, Drainage Plan and Profile, Graphical Grades, Geometric Layouts, Detour Maps, Summary Sheets, Sequence of Construction, and Cross Sections. Also derived earthwork volumes from the corridor model.
08/20 – Ongoing	**Rural Bridge Replacement Initiative (Phase 1 and Phase 2); LADOTD; Districts 04, 05, 08, and 58** - 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.
09/18 - 01/22	**S.P. No. H.001344, US 190: LA 437 - US 190 BUS (PH1); LADOTD; St. Tammany Parish, LA** - Senior Project Designer. Performed roadway designer activities including roadway corridor modeling of roadway design, open ditches and intersections utilizing InRoads and AutoTURN. Develop plan sheets using Plan and Profile Productions tools within InRoads. Sheets created were Typical Sections, Plan and Profile, Drainage Plan and Profile, Geometric Layouts, Summary Sheets, Sequence of Construction, and Cross Sections. Also derived earthwork volumes from the corridor model.
01/14 – 12/14	**S.P. No. H.009140, LA 1026 at LA 1030 Roundabout, Route LA 1026; LADOTD; Livingston Parish, LA** – Senior Project Designer. Performed survey data processing and deliverable preparation for the project that included right-of- way maps depicting the existing right-of-way and parcels to be acquired for the roundabout project.
03/15 - 10/18	**S.P. No. H.010116, LA 1088 Corridor: LA 59 to I-12 WB Ramp; LADOTD; St. Tammany Parish, LA** - Senior Project Designer. Environmental Assessment including Phase I ESA, line and grade and conceptual design of the LA 1088 corridor from LA 59 to Interstate 12. Assisted in developing the preparation of preliminary modeling of a new four-lane divided section from LA 59 to the I-12 Interchange with roundabouts replacing the interchange intersections and a sidewalk on both sides of the four-lane highway. In total, there are 8 roundabouts proposed for new construction.
02/18 - Ongoing	**ENG-17-013, LA 3127 Extension: LA 70 TO LA 1; Ascension Parish Government; Ascension Parish, LA** - Senior Project Designer. Performed roadway modeling for a new four-lane divided section from LA 70 to LA 1. Develop roadway and bridge plans for environmental investigation to include multiple alignments to determine impacts to the existing terrain and environment.

16. Staff Experience:

Firm employed by: **T. Baker Smith, LLC**

Name	**Perry Smith, Jr.**	Years of relevant experience with this employer	2
Title	**SUE Project Manager**	Years of relevant experience with other employer(s)	18

Degree(s) / Years / Specialization			Associate of Science / 2007 / Electronics
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			**Road - Utility Coordination** / Perry will serve as a **Utility Coordination Manager** for the project.

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).
Perry Smith, Jr. is a SUE Project Manager with over 20 years of experience in the utility field and has served in various roles. His field experience for LADOTD projects began in 2017 where he has been involved in dozens of SUE projects of various sizes across the state of Louisiana. He has participated in all stages of a utility project from field data collection to final deliverable preparation. Perry has a thorough knowledge of ASCE 38-22, and the technology required to achieve the necessary quality levels. He is a certified ATSSA Traffic Control Supervisor (TCS).	
06/21 – 06/23	**Contract No. 4400014661, IDIQ SUE Services; LADOTD; Statewide, LA** – SUE Field Manager. Managed and coordinated the TBS SUE field crew. Provided field QC of designation data and crew coordination in the field and reviewed subsurface utilities that were collected in the survey file.
06/21 - 10/23	**MA-17-02, Roddy Road Widening (LA 935 to LA 61); Ascension Parish Government; Ascension Parish, LA** – SUE Field Manager. Scheduled and coordinated SUE field crews for the for the Roddy Road Safety Widening from US 61 to LA 935 as part of the Move Ascension Program. Project included geometric improvements to be made at the LA 429 intersection including Left-turn bays on the EB, WB and SB approaches and right-turn bays at the NB and SB approaches; Geometric improvements at LA 935 to include Left-turn bays at the EB, NB and SB approaches, right-turn bays at the NB approach; replacement of the bridges over New River and Bayou Narcisse.
06/21 – 10/23	**MA-18-07, Braud Road at Germany Road Roundabout; Ascension Parish Government; Ascension Parish, LA** – SUE Field Manager. Responsible for scheduling and coordinating SUE field crews for the designation and locating utilities. Reviewed SUE deliverable data for consistency with field designations.
09/22 - 10/22	**S.P. H.003931.5, Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA** – Task Manager. Managed all Quality Level A SUE services and provided QA/QC for Quality Level B SUE services to ensure compliance with ASCE 38-02. Performed records research for all utility companies and verified all available records were obtained.
10/20 – 12/22	**I-55 Widening Church to Goodman; MDOT; Statewide, MS** – SUE Field Manager. Managed and coordinated with the SUE field crew. Provided QC of SUE data requested from Quality Levels D-A which helped to determine the actual location of existing utilities. TBS was requested to perform SUE services and Utility Conflict Management. The SUE services requested are from Quality Levels D-A which will help to determine the actual location of existing utilities. This information will then be used to determine possible utility conflicts with the roadway design.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Cary Bourgeois, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	38
TITLE	Senior Vice President, Engineering Division	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1983 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	23414 / Louisiana / 09-30-2025		
YEAR REGISTERED 1989	DISCIPLINE: Civil		
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Bridge Design and meets MPR #4.**		

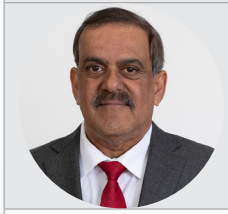
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., "DESIGNED DRAINAGE", "DESIGNED GIRDERS", "DESIGNED INTERSECTION", ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).
	*Mr. Bourgeois is GEC's Senior Vice President involved in supervising activities and performing design services on several large-scale projects, including urban freeway transportation projects. Mr. Bourgeois has more than 38 years of experience in the areas of Roadway, Bridge, Toll Collection Systems, and Intelligent Transportation Systems (ITS) design along with extensive experience in safety inspection of bridges. He has valuable experience in the design and geometry associated with roadways and bridge structures. He is thoroughly familiar with AASHTO Policy on Geometric Design of Highways and Streets, AASHTO Standard Specifications for Highway Bridges, Manual on Uniform Traffic Control Devices, the Highway Capacity Manual and the Standard Specifications for Structural Support for Highway Signs, Luminaries and Traffic Signals. He has provided ITS deployment and implementation planning, field device optimum positioning and placement, civil/structural engineering, and plan and specification development. As Principal-in-Charge, he has managed design and development, and supervision of plans and specifications, as well as general construction engineering and inspection.*
06/17-12/21	**H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Principal-in-Charge/QA/QC* - Mr. Bourgeois oversaw road design in accordance with DOTD's Roadway Design Procedures and Details Manual, along with the superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban freeway transportation project. The extensive load rating and documentation allowed LADOTD to make an informed decision on widen or replace the existing bridges. Data supported the replacement of the bridges. GEC designed concrete slab spans, pre-stressed concrete girder spans and steel girder spans. All pre-stressed girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specs.
08/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Design Manager* - Mr. Bourgeois is responsible for the overall design and design quality control of this $53,000,000 urban freeway transportation project which will provide exit ramps that are separated from the merge of I-10 and I-12. To accomplish this, I-12 westbound will be re-routed under a rebuilt I-10 westbound bridge. He oversaw completion of of Storm Water Pollution Prevention Plans (SWPPP) and permitting for all highway construction segments in accordance with DOTD standards.
09/20-Present	**H.004100 / I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA.** *Design Manager* - Mr. Bourgeois is supervising the design of the new 550' long WB Washington St Off Ramp bridge. He managed the design of multiple types of retaining walls (MSE, Cantilever supported on drilled shafts, tangent drilled shaft walls and concrete faced steel sheet piles) and Load Transfer Platforms to mitigate settlement in high fill areas. He also managed design of a two-span truss spanning a future widened I-10 near Dalrymple drive to support multiple Dynamic Message Signs as part of the ITS portion of this project. Additionally Mr. Bourgeois oversaw production of an enhancement lighting study for Segment 1 of the urban freeway transportation project to incorporate aesthetic lighting at the City Park Lake Bridge and emphasize the Greenway path from the Expressway Park to the bridge.
03/95-06/10	**450-15-0089 / ROUTE I-10, CAUSEWAY BLVD TO 17TH STREET CANAL: Metairie, LA.** *Project Manager/Engineer-of-Record/Structural Engineer* - Mr. Bourgeois performed Quality Assurance and project management on this urban freeway transportation project. He specifically acted as QA for all disciplines involved including surveying, structures/bridge design, electrical & controls design and civil engineering design. Project consisted of widening while under traffic of 1.64 miles of urban interstate highway from six to 10 lanes with roadway and bridges. He performed PPC girder layout and design and performed the design check of a two-span (425' total length) continuous steel girder with integral steel intermediate bent.
1991-1997	**S.P. NO. 700-28-0004 / ROUTE I-12, I-10 FROM ACADIAN THRUWAY TO U.S. 61: Baton Rouge, LA.** *Project Manager* - This project consisted of the rebuilding and widening while under traffic of 2.2 miles of urban interstate highway with roadway and bridges. The bridges consist of AASHTO pre-stressed concrete girders (50' to 90' spans) and steel plate girders (135' to 180' spans). The project also required a bridge feasibility study and drainage study.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Cary Bourgeois, PE** *Continued Resume*
12/93-08/12	**700-28-0004 / U.S. 71/U.S. 165, FORT BUHLOW BRIDGE AND APPROACHES OVER THE RED RIVER: Alexandria/Pineville, LA.** *Principal*-in-Charge - This 2.28-mile-long multi-phase project provides for the construction of a new six-lane bridge over the Red River, access ramps for I-49 and local traffic, KCS railroad overpass and approach roadways. The project began with an Engineering Report consisting of a line and grade corridor study, traffic study and bridge feasibility study. An Environmental Assessment was developed concurrent with the engineering study. The project features a 1,000' three-span continuous steel plate girder unit over the Red River, supported on piers founded in the river. In addition to the Fort Buhlow Bridge over the Red River, GEC was responsible for the design of five other bridge and road projects on I-49 and US 71 in Alexandria. I-49 Section 23 included the reconstruction of LA 1280 Frontage Road which included a crossing of Horseshoe Canal and a railroad spur.
1999-2002	**LADOTD 450-10-0113 & 454-01-0064 / I-10 & I-12 SOUND BARRIERS: Baton Rouge, LA.** *Project Manager* - This project installed 14 separate sound barriers over 8.5 miles of urban interstate highway. The project consisted of 605,000 sq. ft. of precast concrete panels, 30,500 lin. ft. of concrete columns supported on 45,500 lin. ft. of 36" dia. drilled shafts. In addition to the ground mounted sound barrier approximately 25,000 sq. ft. of barrier was mounted on bridge overpasses. Mr. Bourgeois served as the Project Engineer and was responsible for the overall design.
1997-2012	**ROUTE I-12, ESSEN LANE INTERCHANGE (S.P. NO. 454-01-0051 AND 258-32-0016): Baton Rouge, LA.** *Project Manager* - This project consisted of the installation of on and off ramps to complete the I 12/Essen Lane Interchange. The off ramp consists of a 1,200' long eight-span bridge with continuous curved steel girder units. The design included the construction of sound barriers.
07/15-Present	**H.004273.5 / I-49 CONNECTOR: Lafayette, LA.** *Principal in Charge* - This project in District 03 includes bridge design & construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. Mr. Bourgeois oversees the GEC design staff.
05/85-07/87	**S.P. #13-01-24 / LA 415 – BRIDGES OVER MISSOURI PACIFIC RAILROAD: West Baton Rouge Parish, LA.** *Structural Engineer* - Mr. Bourgeois performed geometric layout of all bridge elements, design of Type III and IV-S Pre-stressed Concrete Girders and spans and design of pile supported abutments and Pile Bents. This project replaced a two lane at grade railroad crossing with a four lane divided highway with twin 40 ft. wide by 1413 ft. long bridges. Spans ranged from 68 ft. long, made continuous for three spans, to 84 ft. long.
07/09-06/12	**U.S. ARMY CORPS OF ENGINEERS, LAKE PONTCHARTRAIN, LOUISIANA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA.** *Overall Project Manager* - This project was located in Jefferson Parish, Louisiana and was part of the Lake Pontchartrain and Vicinity, New Orleans, Louisiana, Hurricane Protection Project. This reach consisted of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs were intended to bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement.
03/91-Present	**GNOEC LAKE PONTCHARTRAIN CAUSEWAY, CONSULTING ENGINEER: St Tammany and Jefferson Parishes, LA.** *Principal-in-Charge* - GEC has served as Consulting Engineer for GNOEC since 1991 performing Trust Indenture Services in accordance with the GNOEC General Bond Resolution. Mr. Bourgeois has been associated with the project since the selection of GEC as Consulting Engineer and has served as Project Manager for over 10 years. In this time GEC has designed and implemented over $200,000,000 in improvements to the GNOEC system. Our responsibilities have included: recommendations for operations and maintenance of Lake Pontchartrain Causeway, review of the operating budget, emergency response, inspection and reporting, annual physical condition inspection in accordance with National Bridge Inspection Standards, planning and scheduling of future GNOEC repair and improvement projects, review of Toll Plaza configurations and toll system operation, preparation of construction contract plans, specifications and estimates for various repair and improvement projects, and construction inspection and shop drawing review.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Keith Rebello, PhD, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	25
TITLE	Senior Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	6
DEGREE(S) / YEARS / SPECIALIZATION	BS / 1983 / Civil Engineering; MS / 1986 / Civil Engineering; PhD / 1990 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	24937 / Louisiana / 03-31-2025		
YEAR REGISTERED 1992	DISCIPLINE: Professional Engineer, Civil		
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Bridge Design and meets MPR #5.**		

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).
	*Dr. Rebello has 30 years of structural engineering experience designing cast-in-place slab spans and precast prestressed (LG type) girder bridges.He performed research work on non-linear deformation behavior of pre-stressed concrete bridges and designed and managed a variety of structural projects involving complex interstate and highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, water and wastewater treatment facilities, hurricane protection systems & hydraulic structures. He has experience in rating of bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTOWare Bridge Rating (Virtis) software and finite element analysis where required.*
02/20-Present	**I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA.** *Bridge Task Lead* - Dr. Rebello is Bridge Task Lead for the GEC/Boh Bros. team, responsible for engineering and design quality services. The Flyover was designed and construction plans were developed to permit a two-phase construction in order to maintain at least two lanes of traffic at all times. Dr. Rebello designed the two-span continuous (180 feet per span) steel superstructure for the flyover as well as rolled steel girder spans for widening the existing I-10 westbound bridge over Ward Creek. He has additionally designed and developed plans for Retaining Walls for the entire project and is currently working on the design of the required Sound Barriers.
06/12-Present	**H.003074, I-10 NEW ORLEANS, WILLIAMS TO VETERANS: New Orleans, LA.** *Structural Engineer* - Dr. Rebello was in charge of bridge load rating of existing bridges, bridge design management, and structural design for this complex project. Initial extensive load rating of the existing bridges done at GEC, resulted in LADOTD making an informed decision to replace the bridges. Dr. Rebello supervised the structural design of all components of the replacement bridges – deep foundations, bridge piers, and steel and pre-stressed concrete bridge superstructure. Design of the urban freeway transportation project has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Dr. Rebello supervised and performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.58 mile urban interstate project. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made regarding widening or replacing the existing bridges. The data supported bridge replacement. Dr. Rebello, lead designer for the superstructure design, included composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications. Final bridge plans have been submitted. GEC has also submitted 95% final design plans and responded to comments.
10/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE: Baton Rouge, LA.** *Structural Engineer* - Dr. Rebello designed multiple types of retaining walls (MSE, Cantilever supported on drilled shafts and tangent drilled shafts, tangent drilled shaft walls and concrete faced steel sheet piles) and Load Transfer Platforms to mitigate settlement in high fill areas. He is designing the new 550' long WB Washington St Off Ramp bridge. Dr. Rebello also designed a two-span truss spanning a future widened I-10 near Dalrymple Dr. to support multiple Dynamic Message Signs as part of the ITS portion of this urban freeway transportation project. Additionally, he designed light pole supports on the wall cap on Wall No. 12. Both truss supports and light pole supports are anchored to concrete foundations using pre-installed and post-installed concrete anchor rods. All designs are in accordance with "AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals".
07/09-06/10	**450-15-0089 / I-10 WIDENING – CAUSEWAY BLVD. TO 17TH STREET CANAL: Metairie, LA.** *Structural Engineer* - Dr. Rebello supervised the design & designed the pre-stressed girder spans, curved steel girder spans and integral steel box beam column cap for this 3.12-mile continuous urban bridge. Dr. Rebello was a major participant in construction sequencing of this highly congested urban roadway project.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Keith Rebello, PhD, PE** *Continued Resume*
08/05-07/13	**700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria/Pineville, LA.** *Structural Engineer* - Dr. Rebello performed preliminary design of a new 0.6-mile urban bridge spanning the Red River. He developed alternative designs employing pre-stressed concrete and steel girder spans and segmental concrete box girders spans. He prepared preliminary plan alternative layouts for curved steel girder ramps and bridge plans for an overpass over a railroad, using conventional precast pre-stressed concrete girders. Ultimately, the bridge was designed with AASHTO 72" Type BT girder spans and a 1000', 3-span steel girder unit over the channel. In addition to the Fort Buhlow Bridge over the Red River, GEC was responsible for the design of five other bridge and road projects on I-49 and US 71 in Alexandria. I-49 Section 23 included the reconstruction of LA 1280 Frontage Road which included a crossing of Horseshoe Canal and a railroad spur.
07/09-08/12	**454-01-0051 / ROUTE I-12, I-12/ESSEN LANE INTERCHANGE: Baton Rouge, LA.** *Structural Engineer* - Dr. Rebello performed design for overall design of project for Phase I & II which involved design & construction of I-12 EB on ramp w/noise walls & WB exit ramp flyover from I-12 to Essen Lane respectively. Also included was lighting & power distribution system consisting of ground mount low-mast lighting standards.
11/18-07/20	**I-10 SERVICE ROAD BRIDGES: Slidell, LA.** *Project Manager (Structural)* - This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal and 5-span 100' long slab span bridge with 30-degree skew over French Branch Canal. Dr. Rebello was the structural project manager for this project and oversaw the structural design, plan preparation and Q.C.
04/13-Present	**H.011207 & H.011239, LA 1 BRIDGE, LEEVILLE TO GOLDEN MEADOW: Lafourche Parish, LA.** *Structural Engineer* - Dr. Rebello serves as a Structural Engineer as part of a team involved in the design of the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. The variably widened portion of the bridge consists of prestressed concrete Type III girder spans. The new bridge portions will be supported on special new Louisiana (LG) girders. Dr. Rebello performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. Dr. Rebello was responsible for ensuring that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, Dr. Rebello performed an as-designed rating on the entire structure.
04/19-06/23	**CHEVELLE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Structural Engineer* - This project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Dr. Rebello was the Project Manager for this project and oversaw the structural design, plan preparation, quantity estimates, as-designed rating, and quality control.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Bridge Design* - GEC is designing the widening of Bluebonnet Blvd., an urban roadway, to include an additional lane in each direction. Dr. Rebello performed an investigation of the urban bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. This investigation will start with an in-depth investigation of the bridge superstructure and substructure. The inspection report will provide Condition Ratings for the superstructure, substructure, and piles. The Condition Ratings will be used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. The new precast prestressed (LG type) girder bridges will provide five lanes of traffic (three through and two turn lanes) in the southbound direction and three lanes of through traffic in the northbound direction. The southbound bridge will have a clear roadway width of 58'-0" made up of five 11-0" lanes and two 1'-6" shoulders. On the northbound bridge, three 11'-0" lanes and two 1'-6" shoulders will provide a clear roadway width of 38'-0". The bridges will have a 10'-0" wide multi-mode sidewalk (southbound) and a 5'-0" wide pedestrian sidewalk (northbound). (City-Parish Project No. 19-CP-HC-0034)
07/09-Present	**GNOEC, INSPECTION OF THE CAUSEWAY BRIDGE AND APPROACHES: Jefferson and St Tammany Parishes, LA.** *Load Rating Structural Engineer* - Dr. Rebello is the primary Load Rating Structural Engineer on this project. Federal Law 39 FR 10430 requires that all bridges on public roads be inspected and rated in accordance with National Bridge Inspection Standards (NBIS), 23 CFR Part 650, Subpart C. As Consulting Engineer for the Greater New Orleans Expressway Commission (GNOEC), GEC is responsible for the NBIS inspection and load rating for all GNOEC-owned bridges. Dr. Rebello has performed superstructure ratings for double-leaf steel Bascule Spans, prestressed concrete box girder spans, prestressed concrete monolithic girder and slab spans, and, composite steel girder and concrete deck spans on the GNOEC owned system. All rating has been done in accordance with American Association of State Highway Transportation Officials (AASHTO) Manual for Bridge Evaluation.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Sherri LeBas, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	7
TITLE	Senior Vice President, Business Development	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	31
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1985 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	23844 / Louisiana / 03-31-2025		
YEAR REGISTERED 1990	DISCIPLINE	Professional Engineer, Civil & Environmental	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **QA/QC**		

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).
	*Ms. LeBas is a Senior Vice President of GEC. She is a professional civil engineer with 38 years of experience in designing and managing numerous projects and programs during her career in Louisiana state government and private industry. During her 24.5 years at the Louisiana Department of Transportation and Development (LADOTD), Ms. LeBas designed and managed projects for a combined 14 years in the Road Design Section which led to serving as a facilitator for the Change Management Program, Assistant to the Secretary for Policy, Deputy Secretary and then Secretary for 6 years from 2010 to 2016. From 1998 to 2003, Ms. LeBas managed projects funded through Capital Outlay at the Louisiana State Division of Administration, Facility Planning and Control. In May of 2016, Ms. LeBas brought her skills and experience to GEC. Ms. LeBas provides project management and oversight of projects, along with meeting with public officials and other stakeholders discussing policy and resources required for infrastructure. Additionally, Ms. LeBas discusses opportunities for teaming with other consulting firms in order to present and provide a client with the best team possible to provide outstanding services and deliverables.*
09/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, Louisiana.** *Assistant Project Manager* - Ms. LeBas serves as Assistant Project Manager for this CMAR urban freeway transportation project, leading development & annual updates of the Design Quality Manual, Project Management Plan, Initial Financial Plan, Project Implementation Plan & document control. She manages the Community Connections/Context Sensitive Solutions process which includes meetings with stakeholders & public outreach. In addition, she provides management oversight of design elements being designed by GEC engineers, including lighting (roadway and enhancement), retaining wall, bridge, and noisewalls and coordination with roadway and overall design elements.
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Assistant Quality Design Manager* - Ms. LeBas is providing quality design review for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build urban freeway transportation project.
2016-Present	**ROAD TRANSFER PROGRAM MANAGEMENT: Statewide, LA.** *Principal-in-Charge* - Ms. LeBas serves as a resource to GEC's Program Manager of the Statewide LADOTD Road Transfer Program. Ms. LeBas provides feedback, is the direct link for communication and service between GEC's Project Manager who is stationed at LADOTD Headquarters and GEC's staff, and attends bi-monthly status meetings with the LADOTD Road Transfer Team.
07/95-01/98	**H.004562 / AMBASSADOR DRIVE EXTENSION (LA 339-US 90): Lafayette Parish, LA.** *Project Manager LADOTD Road Design Section* - Ms. LeBas served as the roadway project manager for the line and grade study of various alignments during the Environmental Assessment of this project. The alignments included an alignment along La Nouvelle Road as well as south of the golf course on new alignment and were developed in-house. Ms. LeBas's design squad developed the displays for the Public Meetings and Ms. LeBas lead the Public Meetings answering questions from the media for this project during this line and grade and environmental phase of the project.
03/10 – 01/16	**LADOTD: Baton Rouge, LA.** *Secretary* - Ms. LeBas set the vision & led LADOTD in the delivery of the $1.8 B annual transportation infrastructure capital & operating program. She developed & discussed transportation policy, issues, feedback, future planning with stakeholders, media, citizens & local, state & national public & elected officials. She pursued & obtained funding working with state & federal officials. She has the skills and credentials to provide project management guidance, work with staff to develop solutions to some of the most complicated design policy issues. Some notable projects that required her leadership included funding, design & construction of two D-B Interchange projects on US 90 (Future I-49) in District 03; I-49 from I-220 to the Arkansas State line which included the 2019 ACEC Award Winning I-220/I-49 Interchange which included aesthetic features such as the locally designed column motifs and decorative lighting; LA 1 from Leeville to Fourchon TIFIA refinancing; D-B projects on I-12 in Livingston Parish.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Sherri LeBas, PE** *Continued Resume*
05/05 – 03/10	**LADOTD: Baton Rouge, LA.** *Change Management Facilitator (1 year); Assistant to the Secretary of Policy (2 years); Deputy Secretary (2 years)* - Ms. LeBas was a facilitator on the Change Management Team which today is referred to as Quality Continuous Improvement (QCIP). She facilitated teams consisting of LADOTD staff, consultants and other stakeholders for utility relocations, project Management and consultant services. As Assistant Secretary for Policy, Ms. LeBas worked with staff and the Secretary to develop the $1.2 Billion list of roadway projects that were funded with State surplus dollars in 2007, 2008 and 2009. She served as the program manager for this $1.2 Billion surplus program, scheduling projects, managing the budget and working through issues in order to get the program delivered on time and within budget. As Deputy Secretary, Ms. LeBas served as the program manager for the $430 million American Recovery and Reinvestment Act (ARRA) working with LADOTD staff to deliver the projects within the federally set deadlines of 50% of the funding obligated within 6 months and the remainder within a year.
09/03 – 05/05	**THE TRANSPORTATION MODEL FOR ECONOMIC DEVELOPMENT (TIMED) PROGRAM: Statewide, LA.** *Assistant to the TIMED Program Manager, LADOTD Road Design Section* - Ms. LeBas served as the Assistant TIMED Program Manager for the $5.2B Program. She was responsible for the financials working with LADOTD administration, LADOTD staff and consultant. This included reviewing the program changes, change orders, and total program costs from design through construction. She assisted in the coordination & management of the consultant's plan delivery & construction schedule.
01/98 – 09/03	**STATE OF LOUISIANA NON-STATE ENTITY CAPITAL OUTLAY PROGRAM: Statewide, LA.** *Program Manager* - Ms. LeBas served as Program Manager at the Division of Administration (DOA)/Facility Planning & Control (FP&C) for the non-state projects that receive funding through the State of Louisiana. She was responsible for the development of the Cooperative Endeavor Agreement between the State and the local entity, working with local entities in the delivery of projects in accordance with State guidelines, cash flow from inception through construction. At any one time 75 to 100 active projects were in production including but not limited to waterlines, sewer lines, pump stations, roadways, livestock arenas, renovation of theaters, park roadways and amenities and port facilities.
09/95 – 05/97	**ESTHERWOOD CANAL BRIDGE, LA 1124 (STATE PROJECT NUMBER 801-22-0007): Acadia Parish, LA.** *Project Design Supervisor LADOTD Road Design Section* - Ms. LeBas served as the road design engineer supervisor for the in-house design of the project. The design included all design aspects of a bridge replacement project including drainage, typical sections, horizontal and vertical alignment, cross sections, quantity calculations, summary of estimated quantities in accordance with LADOTD standard specifications.
04/95 – 01/98	**US 165 (I-10 TO WOODWORTH)(STATE PROJECT NUMBER 014-02: 0020-0023|014-03: 0022, 0023, 0027, 0028|014-04: 0028, 0029, 0032|014-05: 0017, 0018, 0020, 0021, 0031): Jefferson Davis, Allen, and Rapides Parish, LA.** *Project Manager LADOTD Road Design Section* - Ms. LeBas served as the project manager for the consultant designed expanded line and grade plans for the addition of two lanes to the existing roadway which encompassed 16 roadway segments. She negotiated contracts, developed the plan development schedule, reviewed the plan in hand design plans and coordinated review comments with other LADOTD sections. She attended all of the plan in hand field visits for each segment, coordinating and addressing all comments for incorporation into the plans.
1993-1995	**SPN 828-39-0021 / LA 3073 AMBASSADOR DRIVE (KALISTE SALOOM TO VEROT SCHOOL ROAD (LA 339)): Lafayette Parish, LA.** *Project Manager LADOTD Road Design Section* - Ms. LeBas served as the roadway project manager for the design of the roadway which included the design and construction of a five lane roadway section to replace the 2 lane section of roadway.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Jerome Lohmann, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	8
TITLE	Senior Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	32
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1984 / Civil Engineering; A.A.S / 1977 / Surveying		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	24673 / Louisiana / 09-30-2024		
YEAR REGISTERED	1992	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Road Design**		

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).
	*Mr. Lohmann has provided design and management of projects ranging from road design in an urban setting or entity overlays to urban freeway widening and major interchanges. Mr. Lohmann has completed and/or managed preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects, including design of interstate on- and off-ramps. He has current experience designing plans in accordance with the latest Louisiana Standard Specifications for Highways and Bridges and in the current editions of DOTD's Roadway Design Procedures and Details Manual, Bridge Design Manual, Hydraulics Manual, EDSM I.1.1.11, Guidance for PRR Projects, 3R Minimum Design Guidelines and DOTD Pavement PRR Minimum Design Guidelines, and DOTD Minimum Design Guidelines. He has also developed Level 2 TMPs for roadway construction projects.*
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Roadway Task Lead* - Mr. Lohmann is Roadway Task Lead for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build Project, an urban freeway transportation project. Mr. Lohmann oversaw completion of roadway construction plans for this project and was responsible for the geometric layout to LADOTD and AASHTO standards.
11/15-Present	**H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: Jefferson Parish, LA.** *Project Manager* - GEC is currently designing the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. Mr. Lohmann has submitted 95% final design plans for the urban freeway transportation project which are in accordance with DOTD's Roadway Design Procedures and Details Manual. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, form part of this project. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. Mr. Lohmann provided design of all ramps on Veterans Blvd in the preliminary plans phase and design review of the roadway during the final plans phase. This project included a level 2 TMP.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Project Manager* - Mr. Lohmann is Project Manager, overseeing design of a six-lane, curb and gutter urban roadway with subsurface drainage, urban bridge replacement, green infrastructure, extended turn lanes, upgraded signage, signal improvements, highly visible lane markings, protected merge and turn lanes, rumble strips, and pedestrian facilities. GEC's design is in accordance with MOVEBR Design Guidelines and Consultant Services Manual. Mr. Lohmann supervised a study of the existing bridge over Dawson Creek. Based on the load rating, GEC recommended that the existing bridge be replaced and feature he pedestrian facilities with barriers to separate pedestrians/bicyclists from vehicular traffic. This project included a level 2 TMP.
09/19-present	**LASAFE-AIRLINE & MAIN COMPLETE STREETS: LaPlace, LA.** *Project Manager* - Mr. Lohmann managed the development of typical sections and preliminary layout for the project in accordance with LADOTD's Roadway Design Procedures and Details Manual, which consists of a 10' & 5' sidewalk along the north side of US 61 for improved accessibility and mobility and curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings. Existing ditches will have pipes added & be reshaped to provide detention ponds to reduce time of concentration. Along Main St., design will provide parallel parking utilizing decorative brick & permeable base to reduce time of concentration. He oversaw the calculation of preliminary quantities & development of a preliminary estimated construction cost. He proposed the conceptual design to the Parish & received approval. He also oversaw development of the fee for all costs. The project is currently under construction.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Jerome Lohmann, PE** *Continued Resume*
08/01-05/02	**258-33-0001 / BLUEBONNET BOULEVARD EXTENSION (NICHOLSON DR. TO BURBANK DR.): Baton Rouge, LA.** *Project Manager* - Mr. Lohmann completed preliminary plans for the widening of Bluebonnet Blvd. to a 4- and 5-lane urban roadway section for approximately 2.5 miles. He was responsible for project administration and management, coordination of subconsultants, and Quality Control design. This project included a level 2 TMP.
02/19-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Manager* - GEC is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. As PM, Mr. Lohmann has provided contract management, assists with design reviews, and performed fee negotiation.
07/19-Present	**H.011670 / OWNER VERIFICATION SERVICES, I-10/LOYOLA INTERCHANGE DESIGN-BUILD: Jefferson Parish, LA.** *Quality Assurance* - GEC is the Owner Verification Firm (OVF) for this Design-Build project which includes the CE&I, right-of-way acquisition, and utility relocation. As LADOTD's OV representative, GEC is responsible for the acceptance of the work and materials in order to ensure contract compliance. As LADOTD's designated representative, Mr. Lohmann administers the contract which includes roadway design oversight. He managed and reviewed the Design-Builder's RFC for compliance with the design standard, performance specification, etc. and provided recommendation to the LADOTD Project Manager for acceptance.
08/17-07/18	**H.004932 / OWNER VERIFICATION SERVICES, US 90 (FUTURE I-49 SOUTH), LA 318 INTERCHANGE DESIGN-BUILD: St. Mary Parish, LA.** *Quality Assurance* - GEC was the Owner Verification Firm (OVF) for this Design-Build project which included the CE&I, right-of-way acquisition, and utility relocation. As LADOTD's OVF representative, Mr. Lohmann was responsible for the acceptance of the work and materials in order to ensure contract compliance. As LADOTD's designated representative, Mr. Lohmann administered the contract which included design oversight. He reviewed the Design-Builder's RFC for compliance with the design standard, performance specification, etc. and reviewed as-built was for completeness and provided recommendation to the LADOTD Project Manager and Chief Engineer for approval. Design-Build team proposed resolutions to RFIs and NCR were reviewed by Mr. Lohmann to ensure sound engineering judgement was used as the basis for all responses.
11/15-08/16	**H.011435 / US 11 IMPROVEMENTS AT SCHNEIDER CANAL: Slidell, LA.** *Project Manager* - The project elevated US 11 at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue beyond this point without a break in flood protection at the highway. The road section is a divided two-lane raised median with full-width shoulders and curb & gutter drainage to reduce the risk of road flooding and water hazards for motorists. Safety modifications include signage and striping improvements and intersection safety modifications. The highway remained on-grade on embankment and was raised approximately 10 feet at the levee. Approximately 2,300 feet of the highway was affected. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. GEC completed the construction plans for this project in the summer of 2016. It incorporates an improved curbed road section including a raised median and a bike path. This project was the first project ever designed with LADOTD specifications that included a levee. Mr. Lohmann designed approximately 2,700' of divided two lane and multi-lane roadway to raise the roadway over the levee on Schneider Canal. This project included a level 2 TMP.
02/17-10/17	**H.008046 LA 3152: CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Project Manager* - This urban roadway project involved the milling and overlaying of LA 3152 and new pavement marking and signage. Along with the milling and overlaying, turns lanes were being added, extended, etc., so new pavement sections were designed. Responsibilities included Scope, Fee project management and QA/QC associated with this project.
1992-1993	**056-07-0010 / E. CRESSWELL ST. EXT., LA 31: Opelousas, LA.** *Project Engineer* - Mr. Lohmann's responsibilities included geometrics, earthwork, drainage, sequence of construction, summary of estimated quantities, and cost estimate for preliminary and final plans on approximately 1 mile of roadway consisting of four 12' travel lanes and one 14' continuous turn lane on a new alignment with minor subsurface drainage and a level 2 TMP.
12/21-Present	**SHARP ROAD: Mandeville, LA.** *Project Manager* - Mr. Lohmann is managing the preparation of preliminary and final construction plans for roadway improvements, subsurface drainage installation, and sidewalk construction. Design increases safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Christopher Nipper, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	6
TITLE	Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	2
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2014 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	43281 / Louisiana / 09-30-2025		
YEAR REGISTERED	2019	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Road Design**		

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).
	*Mr. Nipper has 8 years of experience providing preliminary plans and cost estimates for the design and development of construction plans for roadway improvement projects. The first two years of his career were spent as a Road Design Engineer for LADOTD, affording him knowledge of LADOTD standards and guidelines required for roadway projects. He has experience with preliminary plans for roadway projects in accordance with Louisiana Standard Specifications for Highways and Bridges and DOTD's Roadway Design Procedures and Details Manual. Mr. Nipper also provides hydraulic analysis and design of drainage features for roadway construction projects in accordance with the current edition of DOTD's Hydraulics Manual. He is very familiar with AASHTO standards and guidelines and has developed Level 2 Transportation Management Plans for roadway construction projects. He has completed the following training: FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety hosted by LADOTD/LTRC and Modules 1-3 of the Traffic Engineering Process and Report Course offered by LTRC.*
02/20-Present	**H.013897, I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Roadway Design* - Mr. Nipper is Roadway Designer for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build urban freeway transportation project. Design is in accordance with Louisiana Standard Specifications for Highways and Bridges and LADOTD's Roadway Design Procedures and Details Manual. Mr. Nipper performed all of the geometric design for the project, which included design of three on- and off-ramps for the College Drive ramp on I-10 WB and I-12 EB, which merge to form one ramp. He developed all roadway construction plans, was responsible for the hydraulic analysis and design for the entire project, and developed the hydraulic calculations and report. Mr. Nipper was also responsible for calculating quantities for all of the roadway and hydraulic portions of the project.
06/17-Present	**H.003074, I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design* - Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane. Mr. Nipper was responsible for the hydraulic design of the proposed bridge decks, the westbound proposed bridge vertical curve, and for calculating elevations along bridge bents and girders. He assisted with the sumittal of 95% final plans for the urban freeway transportation project in accordance with LADOTD's Roadway Design Procedures and Details Manual.
09/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: East/West Baton Rouge Parish, LA.** *Road Design Engineer* - This project involves the widening of I-10 westbound and eastbound from the Mississippi River Bridge to the I-10/I-12 split. Mr. Nipper provided the geometry, both vertical and horizontal, for the retaining walls needed along the urban freeway transportation project corridor, and was responsible for developing the plan and profile sheets for the retaining walls. He is also responsible for the redesign of the Perkins Road overpass area, which includes the realignment of an existing local roadway, implementing new parking areas and pedestrian facilities, the design of new subsurface drainage systems, and the quantities associated with the Perkins Road overpass redesign.
02/19-07/20	**ST. TAMMANY PARISH GOVERNMENT, I-10 SERVICE ROAD BRIDGE REPLACEMENTS: St Tammany Parish, LA.** *Road Design Engineer*- The project included the replacement of two slab span bridges, Mr. Nipper was responsible for the vertical alignment, proposed length of the bridges, placement of the new bridges, and guardrail design. Mr. Nipper designed the new roadway approaches to the new bridge and calculated all of the quantities and estimated the construction cost for the project.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Christopher Nipper, PE** *Continued Resume*
2017	**LA 3152, CLEARVIEW OPERATIONAL IMPROVEMENTS: Jefferson Parish, LA.** *Designer* - This project involved the milling and overlaying of LA 3152 and new pavement marking and signage. Along with the milling and overlaying, turn lanes were being added, extended, etc., so new pavement sections were designed. Mr. Nipper was involved in checking and correcting the plans. He checked and calculated quantities and the estimated costs.
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Road Design Engineer* - GEC is designing the widening of Bluebonnet Blvd., an urban roadway, to include an additional lane in each direction, a 10-ft. wide shared use path on the west side, a 5-ft. wide sidewalk on the east side, painted bike lanes, roadway markings, flashing beacons, bus stops, refuge islands, roadway warning lights, high visibility crosswalks, and planting buffers for improved pedestrian safety, accessibility, and mobility to area facilities. The project includes replacement of existing bridges at Dawson Creek. Mr. Nipper assisted in preparing the drainage map depicting existing conditions for the 9,730-acre drainage area. Mr. Nipper also developed the soil map for the drainage area and computed the curve number and associated flow through Dawson Creek.
09/19-Present	**LASAFE AIRLINE AND MAIN COMPLETE STREETS: LaPlace, LA.** *Road Design Engineer* - The project involved the design of a shared use path along Airline Highway that would connect to Main St. This path will accommodate pedestrians and bicyclists to improve accessibility and mobility, along with curb bump outs to reduce the crosswalk distances and eliminate parking within the vicinity of the crosswalks to improve sight distance of pedestrians at the crossings. The corridor utilizes landscaped bioswales to capture and slow runoff while simultaneously providing beautification of the area. Main St. was redesigned to accommodate on street parking, sidewalks were added down the entire project corridor on both sides, and bicycle lanes were added as well. Mr. Nipper provided the vertical and horizontal alignments for the project, as well as the design for Main St. The reduced travel lane widths, replacing the shoulder with a bike lane, and constructing parallel parking, curbing, sidewalks, and landscaping helped to provide a traffic calming effect to keep vehicle speeds lower. He provided the hydraulic analysis needed to convert existing open ditches along the project into subsurface drainage systems to capture and slow runoff. Mr. Nipper also provided the estimated quantities and cost estimate. The project, currently under construction, utilized the LADOTD Roadway Design Procedures and Details Manual.
06/17-10/18	**H.012783 / WB VETERANS, SEVERN AVE. – CLEARVIEW PKWY.: Jefferson Parish, LA.** *Co*-Designer – This project involved the milling and overlay of Veterans Blvd. Two new drainage systems were also designed along with graphical grades to reduce ponding along the roadway. Mr. Nipper was involved with checking the design of the drainage systems, along with the design of the typical sections. He also calculated quantities and estimated costs associated with the project.
06/22-Present	**SHARP RD.: Mandeville, LA.** *Road Design Engineer* - This project involved the design of subsurface drainage systems, and the replacement of existing cross drains to increase safety for this heavily trafficked roadway by improving pavement conditions and drainage, along with providing a safe place for pedestrians and bicyclists. The existing cross drains were analyzed and upgraded accordingly to handle the 50-year design storm in that region. The project also involved the reconstruction of the roadway and roadside ditches, while staying within the existing right-of-way, and the construction of a pedestrian walkway. Mr. Nipper was responsible for the entire design for the project, including standard safety features, including rumble strips, visible lane markings, shoulder wedge, guardrails, and safety end treatments, along with delineating drainage areas for multiple cross drains, and many subsurface systems, and determining the sizes and placement for these new drainage structures. Mr. Nipper developed the construction plans for the project, and also calculated the quantities required for construction.
04/19-05/20	**H.013542 / CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Design Engineer* - Mr. Nipper provided all investigations, preliminary plans, and preparation of final construction contract plans for the replacement of the Chevelle Drive and Sarasota Drive Bridges in East Baton Rouge Parish. Mr. Nipper provided the horizontal and vertical alignments, calculated the quantities, and prepared the cost estimate for both bridge sites. He also performed a hydraulic analysis and prepared a hydraulics report for each bridge.
06/20-10/20	**US HWY 190 DRAINAGE CROSSING: Livingston Parish, LA.** *Road Design Engineer* - This project involved the design of a concrete box culvert cross drain. This cross drain was being added alongside an existing box culvert in order to assist with drainage to alleviate backwater flooding. Mr. Nipper calculated the quantities and developed the construction plan documents. Mr. Nipper also assisted in the drainage analysis and design of the concrete box culvert.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Varaprasad Venkata, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	17
TITLE	Senior Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	10
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 1992 / Civil Engineering; M.S. / 1995 / Structural Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	40594 / Louisiana / 09-30-2024		
YEAR REGISTERED	2016	DISCIPLINE	Professional Engineer, Structural
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Bridge Design**		

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).
	*Mr. Venkata has 26 years of structural engineering experience involving highway bridges, low & high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His design experience includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. His bridge design experience includes the widening of existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, pre-stressed Type III girder spans, and steel girders.*
02/20-Present	**H.013897 / I-10 & I-12 COLLEGE DR. FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Primary Bridge Engineer* - Mr. Venkata is the Primary Bridge Engineer for the I-10 & I-12 College Dr. Flyover Design-Build urban freeway transportation project. He designed and supervised the design of concrete girder spans for the Flyover and concrete decks for both the Flyover and Ward Creek Bridge. Additionally, Mr. Venkata designed and supervised plan development for all Substructures, Median Barriers, and Moment Slabs on the project. Currently, he is working on developing plans for the phased replacement of deck joints on the Ward Creek Bridge, to ensure maintenance of 5 lanes of traffic on I-10 westbound. Mr. Venkata also analyzed and designed the median barriers to support structure mount low mast poles. He designed foundations for ground mount high and low mast pole support foundations and reviewed shop drawings and pole design calculations submittals.
10/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE: West and East Baton Rouge Parishes, LA.** *Structural Engineer* - Mr. Venkata performed the structural analysis and design of the Ramp 3 WB (I-10 WB exit Ramp) spanning over the Ramp 2WB. This bridge consists six LG Girder spans supported by Hammerhead bents. The main span is supported by column bents due to the high skew angle (55 degrees). Drilled shafts are used to minimize the noise and vibration in this heavily built up urban area. Barrier mounted Noise walls are provided for the entire length of the bridge. Mr Venkata also designed Load Transfer Platforms (LTPs) at the both approaches of City Park Lake Bridge. LTPs are provided to mitigate the embankment long-term settlement issues. He also designed the regular Road Barriers (Moment slabs) and sound wall support Barriers for the entire project. Additionally, he worked on the structural design and plan preparation of Shaft supported Retaining walls and MSE walls. All designs are in accordance with AASHTO LRFD Specifications and LADOTD BDEM.
07/12-Present	**H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: New Orleans, LA.** *Structural Engineer* - Mr. Venkata performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made on whether to widen or replace the existing bridges at Veterans crossing. Mr. Venkata performed structural design of Pile bents, column bents, LG type PSC Girders, steel plate girders, bearing pads, deck slabs, curtain walls for new Southbound bridge, Northbound bridge and off Ramp to Veterans Blvd. in accordance with AASHTO LRFD Bridge design specifications and LADOTD BDEM. He also assisted in the development of plans and specs. Mr. Venkata worked on design urban freeway transportation project and as-designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LADOTD Bridge design standards. In addition, Mr. Venkata provided design of two structure-mounted trusses (overhead and cantilever) for relocated signs. Final bridge plans have been submitted. GEC has also submitted 95% final design plans and responded to comments.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Varaprasad Venkata, PE** *Continued Resume*
2005-2010	**700-28-0004 / US 71/165 FORT BUHLOW BRIDGE AND APPROACHES OVER THE RED RIVER: Alexandria, LA.** *Structural Engineer* - Mr. Venkata performed final structural design of pile supporting column bents for approaches on both northbound & southbound bridges. He performed checking of design calculations for the 72" deep Bulb-T prestressed girder design for approaches as part of the QC process. He also checked the pier design for the main bridge which was a continuous steel girder unit consisting of spans of 300', 400' and 300' for a total length of 1000'. GEC prepared final bridge and roadway plans after completing feasibility, line and grade study, traffic study & environmental assessment. In addition to the Fort Buhlow Bridge over the Red River, GEC was responsible for the design of five other bridge and road projects on I-49 and US 71 in Alexandria. I-49 Section 23 included the reconstruction of LA 1280 Frontage Road which included a crossing of Horseshoe Canal and a railroad spur.
03/17-Present	**H.004273.5 / I-49 CONNECTOR: Lafayette Parish, LA.** *Structural Engineer* - This 5-mile project begins south of Lafayette Regional Airport and continues north to I-10/US 167/I-49 interchange. Mr. Venkata checked structural calculations for span optimization and three-span continuous steel tub girders as a viable alternative to other bridge span types. He performed substructure design calculations & cost analysis.
11/18-07/20	**I-10 SERVICE ROAD BRIDGE REPLACEMENTS: Slidell, LA.** *Structural Engineer* - This project included the replacement of a 5 span 100 feet long concrete slab span bridge over Reine Canal & 5 span 100 feet long slab span bridge with 30-degree skew over French Branch Canal. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications & LADOTD Bridge design standards.
04/19-12/21	**CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Structural Engineer* - This project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long (20', 20', 25', 20', 20') slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Mr. Venkata is performing the final design calculations, plan preparation and as-designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications, the AASHTO Manual for Bridge Evaluation, and the LADOTD Bridge Design Manual. (Bridge Recall No(s). 800541 and 800561; City Parish Project No. 18-BRUS-0016)
2006-2011	**HIGHLAND ROAD (LA 42) IMPROVEMENTS (PERKINS TO AIRLINE): Baton Rouge, LA.** *Structural Design* - Mr. Venkata designed new urban bridge crossings at both Ward's Creek and Old Ward's Creek and tied to completed intersection improvements at Perkins Road and at Airline Highway. The bridges are 240' (6 spans at 40') and 160' (4 spans at 40') in length respectively composed of quad beams or 24" pile bents all designed from AASHTO LRFD.
07/16-08/17	**PALMISANO BLVD. IMPROVEMENTS: Chalmette, LA.** *Structural Engineer* - GEC designed improvements to the drainage system encompassing Plaza Dr. and Palmisano Blvd. from E. St. Bernard Hwy. to the outfall on the 20 Arpent Canal, including improvements to the lift station, which required a new concrete foundation and adjacent concrete pavement. GEC also provided design and plan preparation of one 3-span (20', 26', 20'), 66' long concrete slab span bridge with median. Mr. Venkata performed structural design calculation check for the 3 span bridge as a part of the Q.C. process. (07/16-08/17)
09/20-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Bridge Design* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Venkata performed QC checks on bridge rating calculations to determine whether the urban bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Mr. Venkata performed the feasibility review of phased construction of the new precast prestressed (LG type) girder replacement bridge, maintaining two lanes of traffic in each direction during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. Pedestrian facilities will continue across the bridges and will feature barriers to separate pedestrians/ bicyclists from vehicular traffic. (City-Parish Project No. 19-CP-HC-0034)
07/09-06/12	**LAKE PONTCHARTRAIN, LA AND VICINITY, HURRICANE PROTECTION PROJECT LPV 17.2, BRIDGE ABUTMENT AND FLOODWALL TIE-INS AT CAUSEWAY BRIDGE: Metairie, LA.** *Structural Engineer* - Mr. Venkata performed final structural design of widened portion of abutments for both North/ Southbound urban bridges and pile founded inverted T-type floodwall (194 feet) and tie-ins to the existing levees for Causeway Bridge at South Shore. This reach consists of levees, floodwalls, crib walls, Causeway Boulevard and other miscellaneous access points. The designs shall bring the hurricane protection to the Phase II 100-year level. The professional services required of GEC included detailed engineering and design (E&D), preparation of a Design Report (DR), preparation of plans and specifications (P&S), and E&D support during advertisement.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Logan Michel, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
TITLE	Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	7
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2015 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	43970 / Louisiana / 03-31-2024		
YEAR REGISTERED	2019	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Road Design**		

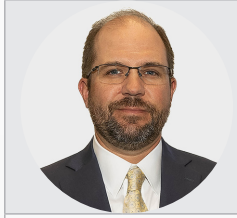
EXPERIENCE DATES (MM/YY–MM/YY)	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT; I.E., "DESIGNED DRAINAGE", "DESIGNED GIRDERS", "DESIGNED INTERSECTION", ETC. EXPERIENCE DATES SHOULD COVER THE YEARS OF EXPERIENCE SPECIFIED IN THE APPLICABLE MPR(S).
	*Logan Michel, PE has 8 years of experience focused on road design. He was involved in developing all aspects of roadway planning for LADOTD state projects, including roundabouts, overlay projects, new roadway development, and bridge spot replacement. His expertise includes planning and design, project and construction management, and preparation and review of construction data and reports, including cost estimates, specifications, test results and schedules. He provided oversite for major projects and conducted project meetings on design modifications, work progress and safety measures. Mr. Michel has completed the Traffic Engineering Analysis Process and Report Modules 1-3 training. He has experience developing Level 1 & 2 Transportation Management Plans for roadway construction projects and is familiar with the current editions of LADOTD's Louisiana Standard Specifications for Roads and Bridges, LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Minimum Design Guidelines, Roadside Design Guide, and Hydraulics Manual.*
08/22-Present	**BAINBRIDGE AVE. ROADWAY & DRAINAGE IMPROVEMENTS: Kenner, LA.** *Project Engineer* - GEC is preparing plans for the drainage design of the Bainbridge project. Mr. Michel's role consisted of updating the calculations and plans based on recommendations from the Parish and the consultant. Also, Mr. Michel prepared a cost estimate for GEC's portion of the design and provided technical specifications.
08/22-Present	**MID-CITY RR126 GROUP C, RR127 GROUP D, AND RR128 GROUP E: New Orleans, LA.** *Project Engineer* - GEC is preparing plans, specifications, and estimates for the removal and replacement of an existing asphalt and concrete pavement and drainage structures, as well as replacement of waterline and sewer main. Tasks include horizontal and vertical geometry, subsurface drainage design, and cross section development. Mr. Michel is providing project design services.
08/22-Present	**H.003074 / I-10 WIDENING, WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Road Design* - Project included the design of the addition of a lane to the existing interstate and the widening/replacement of bridges to accommodate the additional lane for this urban freeway transportation project. Mr. Michel reviewed GEC's 95% final plans submittal which was in accordance with LADOTD's Roadway Design Procedures and Details Manual.
08/22-Present	**H.013897, I-10 & I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD PROJECT: East Baton Rouge Parish, LA.** *Roadway Design* - Mr. Michel is Roadway Designer for the GEC/Boh Bros. team. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction for the I-10 & I-12 College Dr Flyover Ramp Design-Build urban freeway transportation project. Design is in accordance with Louisiana Standard Specifications for Highways and Bridges and LADOTD's Roadway Design Procedures and Details Manual. Mr. Michel developed and revised Maintenance of Traffic (MOT) plans for all phases of construction. Mr. Michel is responsible for editing current or future design and revising previously approved plan sheets as the project progresses. He works closely with the contractor to provide safe and effective ongoing construction for all parties.
12/17-01/22	**LA 42: ROUNDABOUT AT JOE SEVARIO ROAD: Ascension Parish, LA.** *Engineer* - This project included replacing the intersection of LA 42 at Joe Sevario Road into a roundabout. My responsibilities included all engineering design for civil aspects including design of vertical alignment and all geometric features of the roundabout, design of the underground storm drainage system; wrote a request for SUE services; signage and detour layout; cost analysis and estimation.
10/18-10/21	**H.010815.6 / LA 124 EXTENSION (SEGMENT 1): Catahoula Parish, LA.** *Project Engineer* - This project consisted of constructing a private drive into a new state road (LA 124). Mr. Michel's responsibilities included plan production, designing new vertical and horizontal alignments based on LADOTD's Minimum Design Guidelines and Roadside Design Guide, hydraulic analysis, geometric design, drainage design for multiple culvert locations (RCB culverts & cross drains), cost analysis and estimation.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**
NAME	**Logan Michel, PE** *Continued Resume*
03/16-08/19	**H.001679.6 / LA 146 BRIDGES NEAR VIENNA: Lincoln Parish, LA.** *Project Engineer* - This multiple site project included replacing three deficient bridges on LA 146 on the existing horizontal alignment with 4-8'X8' reinforced box culverts, 4-7'X6' reinforced box culverts, and a new slab span bridge. Mr. Michel's responsibilities included all engineering design for civil roadway aspects including plan preparation and production; design of vertical alignment and superelevation based on LADOTD's Minimum Design Guidelines and Roadside Design Guide, drainage and guardrail design; design of an overlay section; signage and detour layout; crash data study; cost analysis and estimation.
07/17-11/19	**LA 532 OVER I-20 BRIDGE REPLACEMENT: Webster Parish, LA.** *Project Engineer* - This project consisted of replacing a deficient bridge on LA 532 over Interstate 20 onto a new horizontal alignment using phase construction so traffic flow can be maintained throughout the project including all necessary widening and interchange modifications. Portions of the side roads and the ramps connecting LA 532 to I-20 had to be re-designed because LA 532's geometrics changed. Mr. Michel's responsibilities included plan production; the design of vertical and horizontal geometry based on LADOTD's Minimum Design Guidelines and Roadside Design Guide; ramp and overlay design; superelevation design; urban drainage design; signage and detour layout; and cost estimation.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Many Heymann, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	1
TITLE	Vice President, GNO Operations	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	20
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2002 / Chemical Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	35554 / Louisiana / 09-30-2024		
YEAR REGISTERED	2010	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Road Design**		

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).
	*Mr. Heymann has been a Civil Engineer for over 20 years and is responsible for the design and oversight of roadway projects, drainage projects, water distribution projects, sewer system projects, and construction projects. His experience includes the development of cost estimates, quantity calculations, drainage design, geometric design, erosion control, maintenance-of-traffic, grading plans, preparation of construction documents, and construction management.*
2017-2021	**BOURBON STREET REHABILITATION (PHASES 1 AND 2), CITY OF NEW ORLEANS: New Orleans, LA.** *Project Director* - Mr. Heymann provided design services and oversight for the repair and rehabilitation of eight (8) blocks of Bourbon Street including underground infrastructure from Canal Street to Dumaine St. Scope of work included coordinating and sequencing construction after engaging the City of New Orleans, Department of Public Works, Sewerage and Water Board of New Orleans, Entergy, AT&T and Cox. Because many of the existing utilities are well over 100 years old, the work for this project included upsizing the existing storm water collection system, replacing the existing water lines, repairing the existing sewer lines, replacing, and improving the existing low-pressure gas lines, replacing the existing underground electrical conduits, and replacing the existing roadway pavement, brick sidewalks and granite curbs.
2019-2021	**ST. ANN STREET REHABILITATION (BOURBON STREET TO DAUPHINE STREET), CITY OF NEW ORLEANS: New Orleans, LA.** *Project Director and Responsible Charge Engineer* - Mr. Heymann provided project management and plan development services for the full reconstruction of St. Ann Street surface and subsurface infrastructure from Bourbon Street to Dauphine Street. The project required close coordination for an accelerated design as a result of the existing sewer system being in poor condition causing large subsurface voids beneath the existing roadway. The sequence of construction was also developed while engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, AT&T, Entergy Gas and Electric, residents, business owners, utilities, and contractors.
2019-2023	**LOYOLA INTERCHANGE OVS, LADOTD: Kenner, LA.** *Project Principal* - Mr. Heymann provided oversight and assisted in plan review of all contractors and utility companies as part of the project. The scope of work also included providing residential inspection during the construction phase of the project.
2019-2023	**CONTI STREET REHABILITATION (BOURBON STREET TO CHARTRES STREET), CITY OF NEW ORLEANS: New Orleans, LA.** *Project Director and Responsible Charge Engineer* - Mr. Heymann provided plan development services for the full reconstruction of Conti Street surface and subsurface infrastructure from Bourbon Street to Chartres Street. Services included engineering design, and construction administration. The project required the coordinating of the design and sequenced construction after engaging the City of New Orleans, Department of Public Works, the Sewerage and Water Board of New Orleans, AT&T, Entergy Gas and Electric, residents, business owners, utilities, and contractors.
2019-2023	**OLD SPANISH TRAIL (NOTTINGHAM DR. TO SHERWOOD DR.), CITY OF NEW ORLEANS: New Orleans, LA.** *Engineer* - Mr. Heymann was responsible for the provided plan services for the reconstruction of Old Spanish Trail (Nottingham Dr. to Sherwood Dr.) surface and subsurface infrastructure from Nottingham Drive to Sherwood Drive. Scope of work also included bidding, construction administration and resident inspection.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Rachel Breaux, PE**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	4
TITLE	Professional Civil Engineer	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	0
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2016 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	46988 / Louisiana / 03-31-2025		
YEAR REGISTERED	2022	DISCIPLINE	Professional Engineer, Civil
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Bridge Design**		

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).
	*Mrs. Breaux graduated from the University of Louisiana at Lafayette with a Bachelor of Science in Civil Engineering and a minor in Mathematics in 2016. She joined GEC's Engineering group as an Engineer Intern and has received her Professional Engineer license for the state of Louisiana in 2022. Mrs. Breaux's expertise includes bridge design, low and high mast light pole supports, and highway sign supports. Her bridge design experience includes but is not limited to the design of pile, column, transition, and end bent caps, LG girders, and concrete decks. She is proficient in Microsoft Office, Microstation, STAAD.Pro, and MathCAD.*
12/19-Present	**H.003074 / I-10 WILLIAMS BLVD TO VETERANS BLVD: Jefferson Parish, LA.** *Engineer Intern* - This project involved the widening of I-10 between Williams Boulevard and Veterans Boulevard interchanges in Jefferson Parish. This urban freeway transportation project consists of construction one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways with median barrier. In addition, concrete sound walls shall be constructed along the I-10 westbound and the North side of I-10. As part of this project, the bridges over Canal No. 3 and Veterans Boulevard will also be widened. Sound barriers will be included on the north side of the I-10 westbound bridges. This project also included bridge load rating in accordance with Bridge Design Technical Memorandum 40.1 for the Mainline I-10 Veterans Blvd. Bridges and the Eastbound Veterans Exit Ramp to determine the suitability of the bridges for widening as required. Mrs. Breaux was responsible for designing bent caps, as well as calculating all elevations, quantities, and cost for this project. She also performed load ratings on the eastbound and ramp bents, designed the superelevation transition on the ramp, and designed drilled shafts for low and high mast light poles. Final bridge plans have been submitted. GEC has also submitted 95% final design plans and responded to comments.
08/19	**H.011207 & H.011239 / LA 1 RELOCATED - PHASE 2A: Lafourche Parish, LA.** *Engineer Intern* - This project involved design services for the extension of LA 1 from Leeville to Golden Meadow. Mrs. Breaux was tasked with updating the concrete girder designs to mimic the new standard shear reinforcement provided by LADOTD.
11/21-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE: East Baton Rouge Parish, LA.** *Engineer* - For this urban freeway transportation project to widen I-10 between W. Washington St. to Acadian Thruway, Mrs. Breaux designed the girders, bearing pads, and bent caps for Ramp 3 Westbound, and calculated all elevations and quantities for this segment of the project. She also designed a sign truss spanning 90 feet over I-10 near Napoleon Street.
10/20-Present	**H.013897 / I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN BUILD: East Baton Rouge Parish, LA.** *Engineer Intern* - This urban freeway transportation Design-Build project begins on I-10 west, south of the I-10/I-12 interchange, and extends west to the I-10 West/College Drive interchange. Mrs. Breaux designed all bent caps, light poles, drilled shafts, anchor bolts, and bearing pads. She also computed all quantities and elevations for this project.
11/21-Present	**BLUEBONNET BLVD. (PERKINS RD TO PICARDY AVE): East Baton Rouge Parish, LA.** *Engineer Intern* - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction between Perkins Road and Picardy Avenue. Mrs. Breaux designed the concrete deck, girders, and bent caps, as well as calculated quantities, cost, and elevations for this urban bridge and roadway project.
02/20-09/20	**CHEVELLE AND SARASOTA BRIDGE REPLACEMENTS: East Baton Rouge Parish, LA.** *Engineer Intern* - This project includes the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot long slab span bridge and the existing Sarasota Drive Bridge over Engineers Depot Canal with a 5-span 105-foot long slab span bridge. Both bridges will have pedestrian walks and are located in Baton Rouge, Louisiana. Mrs. Breaux reviewed bent cap designs and foundation plans, and calculated quantities and elevations for this project.

16. Staff Experience:

FIRM EMPLOYED BY	**G.E.C., Inc.**		
NAME	**Hector Zuniga, EI**	YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER	4
TITLE	Engineer Intern, Civil	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S)	2
DEGREE(S) / YEARS / SPECIALIZATION	B.S. / 2014 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE	33875 / Louisiana / 03-31-2025		
YEAR REGISTERED	2018	DISCIPLINE	Engineer Intern
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES	Role on this Project: **Bridge Design**		

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).
	*Mr. Zuniga joined GEC's Engineering group as an Engineer Intern after working for DOTD as a Bridge Load Rating Engineer. His experience focuses on bridge engineering. He has six years of load rating as-design, and existing bridges in accordance to AASHTO LRFD, MBE, and LADOTD BDEM. His expertise includes bridge rating, quantities development, review of bridge design plans and shop drawings, and structural design.*
06/21-Present	**I-10 & I-12 COLLEGE DRIVE FLYOVER RAMP DESIGN-BUILD: Baton Rouge, LA.** *Structural Engineer* - This Design-Build urban freeway transportation project consist of a new bridge ramp over I-10 towards College Dr., and an existing bridge being widen over Ward Creek. GEC is responsible for engineering and design quality control services as necessary to complete the design and construction of the I-10 & I-12 College Dr. Flyover Ramp Design-Build project which consists generally of high and bridge design and engineering services. Mr. Zuniga performed the as-designed load rating for the superstructure and substructure of the bridge ramp. The most critical spans and bent caps were considered for the analysis. The analysis was performed using AASHTO Bridge Rating and LEAP, and in accordance to AASHTO LRFD, MBE and LADOTD BDEM manuals. In addition, he performed an in-depth reviewed of the bridge ramp shop drawings, and bridge design plans. For the existing bridge, Mr. Zuniga performed the as-designed load rating analysis for the superstructure and substructure for the widening portion of the bridge. Additionally, he reviewed the designed calculations for two types of retaining walls. He also developed the quantities for each retaining wall.
09/20-Present	**H.004100 / I-10, LA 415 TO ESSEN LANE ON I-10 AND I-12: West and East Baton Rouge Parishes, LA.** *Structural Engineer Intern* - Mr. Zuniga calculated the required reinforcing steel and developed quantities for the retaining walls along I-10 based on AASHTO LRFD for the EWP3 submittal. He also designed two light pole's drilled shaft to determine the required reinforcing steel for the urban freeway transportation project. The design is in accordance to LRFD Specifications for Highway Signs, Luminaires, and Traffic Signals. Mr. Zuniga completed the analysis and design using the Finite Element Method.
07/21-Present	**BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.** *Structural Engineer* - GEC is designing the widening of Bluebonnet Blvd., an urban roadway, to include an additional lane in each direction. Mr. Zuniga performed quantities for spans one thru three for phases II and III. In addition, he reviewed quantities for spans one thru three for Phase I.
04/21-Present	**H.004273.5 / I-49 CONNECTOR: Lafayette, LA.** *Structural Engineer* - This project includes bridge design and construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. Mr. Zuniga designed the end bent on the northbound ramp bridge to determined the piles reactions.
03/19-11/20	**H.003074 / I-10 WILLIAMS TO VETERANS: Jefferson Parish, LA.** *Structural Engineer* - GEC is designing three bridges along I-10 westbound, eastbound and a ramp on the eastbound side at Jefferson Parish for this urban freeway transportation project. Mr. Zuniga performed the as-designed load rating analysis for the superstructure, and substructure of these bridges. The most critical spans and bent caps were considered for the analysis per bridge. The analysis was performed using AASHTO Bridge Rating and LEAP, and in accordance to AASHTO LRFD, MBE and LADOTD BDEM manuals. In addition, he developed, and reviewed concrete and steel quantities for various spans, and bent caps. Final bridge plans have been submitted.

16. Staff Experience:

VECTURA	Firm employed by: **Vectura Consulting Services, LLC**			
	Name	**Sheelagh Brin Ferlito, PE, PTOE**	Years of relevant experience with this employer	8
	Title	**Principal**	Years of relevant experience with other employer(s)	27

Degree(s) / Years / Specialization			B.S. / 1988 / Civil Engineering
Active registration number / state / expiration date			PE.0025383 / LA 9/30/2025
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Traffic Control Design / Temporary Traffic Signal Analysis and Design QC; meets MPR #6**

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).
07/21 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) —** Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) —** Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA) —** Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.
04/18 – 06/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA) —** Brin reviewed 60 Percent Preliminary Signing and Striping Plans and developed documented comments based on LADOTD Road Design Manual, LADOTD Standard Details and MUTCD. She is also the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. She coordinated access management issues using aerials, aged traffic volumes and Synchro Software.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA) —** Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish (Addis, LA) —** Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements.

16. Staff Experience: **Sheelagh Brin Ferlito, PE, PTOE - continued**

- continued-	The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design (Slidell, LA) —** Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
02/17-10/17	**Stage 0 Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA) —** Brin developed the safety analyses for a Stage 0 Study for 4 intersections in the Mandeville area. The study was based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Brin assisted collecting 7-day, 24-hour counts w/ Classification, turning movement counts for peak periods and speed data for mainlines. She developed signal timing in the PTV Vistro software. The signal timings were then used in Sidra to complete the HCM analyses. Brin provided a quality control review of the traffic report.
06/16-09/17	**H.004490 Stage 0 Roundabout Studies (Lafayette Parish, LA) —** Brin developed sections of a Stage 0 Feasibility Study for roundabouts the conformed to DOTD EDSMs and Traffic Engineering Manual Section 20.2 at ten intersections in the Lafayette area. Brin, along with Laurence, collected 7-day, 24-hour counts w/ classification, turning movement counts for AM and PM peak periods and speed data for mainlines. Brin provide a QC review of the Sidra analyses and developed traffic signal timing for 3 intersections for Years 2019 and 2039, AM & PM peak hours and developed a crash analyses as defined in Section 20.2 of TEM. CMF factors were identified for the preferred alternative to predict the number of crashes that could be eliminated. Brin provided a QC review of the final draft.
04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA) —** As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA) —** Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA) —** Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.

16. Staff Experience:

VECTURA	Firm employed by: **Vectura Consulting Services, LLC**			
	Name	**Laurence Lucius Lambert, II, PE, PTOE, PTP**	Years of relevant experience with this employer	8
	Title	**Principal**	Years of relevant experience with other employer(s)	18

Degree(s) / Years / Specialization			B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010
Active registration number / state / expiration date			PE.0029901 / LA / 3/31/2024
Year registered	2002	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Traffic analysis and design lead; meets MPR #6**

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).
02/21 - 03/21	**H.013256.5 I-10 ITS Scott to Lake Charles (Southwest Louisiana) —** Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
07/22 – 09/22	**H.013716.5 – US 167: Camellia Blvd – Churchill Dr (Lafayette, LA) —** Pedestrian Count Study Laurence developed a technical memorandum as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the Traffic Engineering Manual Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) —** At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also developed specifications of Rectangular Rapid Flashing Beacons (RRFB) for the City of Baton Rouge.
04/18 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales (Ascension, LA) —** Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA) —** Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA) —** Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.

16. Staff Experience: **Laurence Lucius Lambert, II, PE, PTOE, PTP - continued**

09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design (Slidell, LA) —** Laurence assisted Brin in the development of a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
10/17 - 10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA) —** Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
01/17 – 07/17	**RPC Task ST-1.17 Minnesota Park Road Improvements (Tangipahoa Parish, LA) —** Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 feasibility study. Laurence utilized Sidra software to perform an alternative analyses Highway Capacity Manual Analyses that included STOP, signal, and a roundabout. The DOTD procedures for utilizing Sidra were followed for this project. Laurence stamped the final version of the traffic study for the Stage 0.
09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA) —** Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/14 - 01/17	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Multiple States) —** FHWA funded workshops for state Departments of Transportation that were interested in learning more about innovative intersection & interchange design. Laurence presented either part or all the one-day or two-day workshops that included modules on the overall policy and goals of FHWA for these types of innovations, roundabouts, roundabout interchanges, DLTs, DDIs, J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools (CAP-X) available to compare the measures of effectiveness of each innovation. Each module includes sections on design, traffic operations, safety and multi-modal accommodation Laurence has presented for the Alabama, Kentucky, Ohio, Oklahoma, Massachusetts, Tennessee, and Texas Departments of Transportation under this contract.
06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA) —** Laurence performed a Stage 0 Feasibility Study for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA) —** This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).

16. Staff Experience:

VECTURA	Firm employed by: **Vectura Consulting Services, LLC**			
	Name	**Reece Rodrigue, PE, PTOE, RSP1**	Years of relevant experience with this employer	4
	Title	**Project Traffic Engineer**	Years of relevant experience with other employer(s)	7

Degree(s) / Years / Specialization			B.S. / 2013 / Civil Engineering
Active registration number / state / expiration date			PE. 0042074 / LA / 3/31/2024
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Project Engineer for Traffic Control Design / Temporary Traffic Signal Analysis and Design**

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).
04/21 - current	**MOVEBR Direct Select for Traffic Signal Design (Baton Rouge, LA) —** Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
07/21 – current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) —** Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes, LA) —** Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA) —** Reece was a project engineer, who participated in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA) —** Reece was a project engineer, who assisted in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
04/20 - current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA) —** Reece is the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were

16. Staff Experience: **Reece Rodrigue, PE, PTOE, RSP1 - continued**

- continued-	recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which was also used in planning for the permanent and temporary signal timing plans. Reece also produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece reviewed and approved shop drawings that were submitted by the contractor.
04/21 - current	**MOVEBR Direct Select for Traffic Signal Design (Baton Rouge, LA) —** Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA) —** Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	**Burgess Avenue at Duff Road Traffic Signal Design (Walker, LA) —** Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	**H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish, LA) —** Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	**Ochsner Main Campus Traffic Signals (Jefferson Parish, LA) —** Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	**Loyola Interchange Modification Request (Kenner, LA) —** Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	**H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3 —** Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

16. Staff Experience:

VECTURA	Firm employed by: **Vectura Consulting Services, LLC**			
	Name	**Kristen Gahagan Farrington, PE, PTOE, RSP1**	Years of relevant experience with this employer	2
	Title	**Project Traffic Engineer**	Years of relevant experience with other employer(s)	7

Degree(s) / Years / Specialization			B.S. / 2013 / Civil Engineering
Active registration number / state / expiration date			PE. 0042785 / LA / 3/31/2025
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Project Engineer for TMP**

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 – 07/23	**H.013722 Morgan City Sidewalks & Shared Use Path (Morgan City, LA)** Kristen was the lead engineer as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the Traffic Engineering Manual Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk. The study also included an evaluation of a mid-block crossing based on the criteria set in Section 3B.2.7 of the Traffic Engineering Manual. The study consisted of vehicular and pedestrian counts, spot speed study, a safety analysis and field observations.
04/21 - current	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA) —** Kristen a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA) —** Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB’s). Currently, Vectura is developing plans for the PHB’s at four locations which will be the first implementation of PHB’s in the Baton Rouge area on a state route.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project (Baton Rouge, LA) —** Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	**H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA) —** Kristen served as project manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	**H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA) —** Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately

16. Staff Experience: **Kristen Gahagan Farrington, PE, PTOE, RSP1 - continued**

- continued-	1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA) —** Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA) —** Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA) —** Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA) —** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA) —** Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment (Natchitoches Parish, LA) —** Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement.

16. Staff Experience:

VECTURA	Firm employed by: **Vectura Consulting Services, LLC**			
	Name	**Bridget Scheyd Robicheaux, PE, PTOE**	Years of relevant experience with this employer	6
	Title	**Project Traffic Engineer**	Years of relevant experience with other employer(s)	9

Degree(s) / Years / Specialization			B.S./2007/Civil Engineering M.S./2014/Civil Engineering
Active registration number / state / expiration date			PE. 0041272 / LA / 3/31/2025
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities			**Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs**

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).
07/21 – current	**H.007160 EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) —** Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.
06/21 - 06/21	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA) —** Bridget assisted with the traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).
03/21 - 07/22	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) —** Bridget is part of the team responsible for Construction Engineering and Inspection. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.
04/20 - 07/20	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA) —** Bridget assisted the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.
04/19 - 01/20	**Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafayette Parish, LA) —** Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) —** Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple reviews of traffic studies and traffic signal designs. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.

16. Staff Experience: **Bridget Scheyd Robicheaux, PE, PTOE (Part-Time) - continued**

07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish (Addis, LA) —** Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.
10/17 - 07/18	**Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA) —** Bridget developed base year traffic volumes to calibrate and test of the regional travel demand as part of updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.
09/17 - 11/17	**US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study (St. Tammany Parish, LA) —** Bridget participated in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed raw traffic videos and developed AM and PM peak period turning movement vehicle count figures. She also assisted Brin with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.
02/17 - 10/17	J**udge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA) —** Bridget participated in the development of a Stage 0 Feasibility Study for roundabouts at four intersections in St. Tammany Parish. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts for morning and evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for design year volumes were also developed based on information provided from the TransCAD model. She performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA) —** Bridget assisted with developing a Stage 0 Feasibility Study for roundabouts at seven intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also developed several figures that were included in the report.

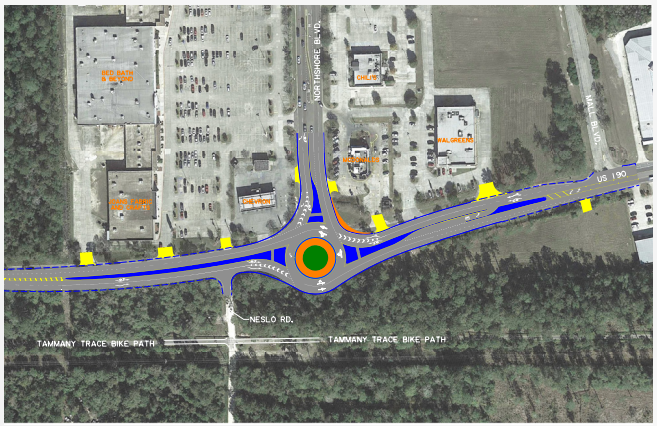
17. Firm Experience:

Firm name	**T. Baker Smith, LLC**			Past Performance Evaluation Discipline(s)*	**Road**
Project name	**US 190 at Northshore and Camp Villere**			Firm responsibility (prime or sub?)	**Prime**
Project number	H.012812	Owner's name	LADOTD		
Project location	St. Tammany Parish, LA		Owner's Project Manager	Jacob Fusilier, PE, PMP	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1185; Jacob.Fusilier@la.gov				
Services commenced by this firm (mm/yy)	02/20		Total consultant contract cost ($1,000's)	$547	
Services completed by this firm (mm/yy)	12/22		Cost of consultant services provided by this firm ($1,000's)	$492	

RELEVANCY TO THE CONTRACT:

Roundabout design; roadside drainage; roadway widening; suggested sequence of construction

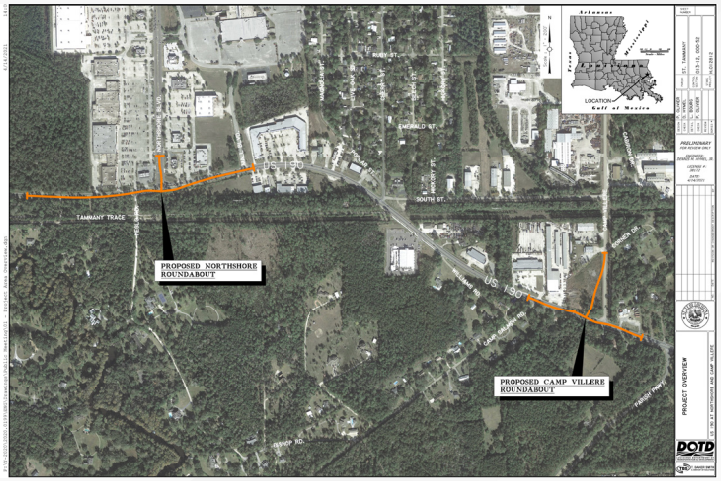
The US 190 at Northshore and Camp Villere project involves upgrading existing signalized intersections at US 190 at Northshore Blvd and US 190 at Camp Villere with roundabouts to improve efficiency and safety along this corridor in Slidell, LA. Within the project area, Northshore Blvd is a 4-lane divided urban corridor which intersects with US 190, a 3-lane urban corridor. A three-legged, multi lane roundabout was designed as the replacement of the existing signalized intersection at this location. Avoidance of adjacent commercial properties and the nearby Tammany Trace was held paramount during design. Included within the project, the nearby stop controlled intersection of US 190 and Camp Villere Rd. was replaced with a three-legged single lane roundabout. All roundabouts were designed to accommodate pedestrian movements with 7' berms for future sidewalks and splitter island accessibility. Major subsurface drainage ran parallel to US 190 and Northshore that had to be replaced with the new roadway and roundabout. A major component of the design included the early development of the Construction Phasing Plan. This plan was carefully coordinated with LADOTD, St. Tammany Parish, and LADOTD District 62 and reflected the Parish and District's desire to maintain traffic through the US 190 and Northshore Boulevard intersection.



T. Baker Smith served as the prime consultant on the project providing all roadway design, hydraulic analysis, preliminary and final plan development, a specialized and detailed written construction phasing plan as well as oversight of temporary traffic signalization design for use during construction. TBS has submitted 98% Final Plans to LADOTD in December 2022. LADOTD subsequently placed the project on hold due to funding. TBS expects to submit 100% Final Plans once project resumes.

Critical Issues and Similarities to this Project

- ***Urban multi-lane roundabout.***
- ***Complex construction sequencing to maintain traffic.***
- ***Multiple roundabouts within project limits***
- ***Right-of-way constraints adjacent to project site***
- ***Major drainage structures within project limits***



TBS Team: Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Lisa Osborne; Justin Loup, EI; Daniel Fontenelle, EI

17. Firm Experience:

Firm name	**T. Baker Smith, LLC**			Past Performance Evaluation Discipline(s)*	**Road**
Project name	**LA 621 at Roddy Rd**			Firm responsibility (prime or sub?)	**Prime**
Project number	H.014407	Owner's name	Ascension Parish Government		
Project location	Ascension Parish, LA		Owner's Project Manager	Daniel Helms	
Owner's address, phone, email	42077 Churchpoint Rd., Gonzales, LA 70737; 225.450.1013; daniel.helms@apgov.us				
Services commenced by this firm (mm/yy)	12/19		Total consultant contract cost ($1,000's)	$523	
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)	$433	

RELEVANCY TO THE CONTRACT:

Roundabout design; roadside drainage; utility relocation coordination; suggested sequence of construction

As part of Ascension Parish's Move Ascension Transportation Program, T. Baker Smith, LLC was selected as the prime consultant for the LA 621 at Roddy Rd at LA 621 roundabout project.

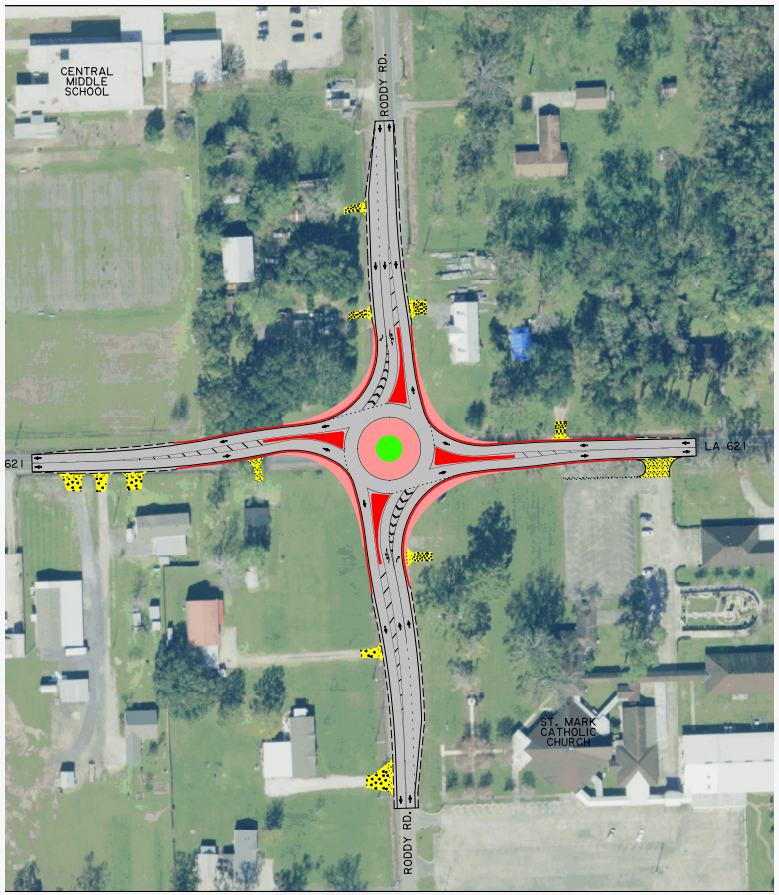
This project includes the replacement of a stop controlled intersection with a single-lane urban roundabout. TBS is responsible for all roadway design elements to be in accordance with LADOTD's Roadway Design Manual geometric requirements. Minimizing utility and right-of-way impacts was a crucial part of the placement of the roundabout. Critical to the construction of the project is to maintain traffic on LA 621. This project will also include exclusive right turn only lanes in the northbound and southbound directions of travel to accommodate heavy turning movements.

TBS is the prime consultant on this project and is responsible for all of the roadway design aspects including the horizontal and vertical alignments, geometric layouts, drainage design, roundabout grading and pavement marking and permanent signing layout design. TBS is also responsible for all roadway and roundabout modeling aspects including cross sections and earthwork quantity determination. Subsurface Utility Engineering (Quality Levels D-A), utility relocation coordination, and bidding assistance.

TBS has prepared 95% Final Plans for submittal.

Critical Issues and Similarities to this Project

- ***Urban Roundabout***
- ***Complex construction sequencing to maintain traffic***
- ***Municipal and private utility conflicts***



TBS Team: Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Fontenelle, EI; Justin Loup, EI; Lisa Osborne

17. Firm Experience:

Firm name	**T. Baker Smith, LLC**		Past Performance Evaluation Discipline(s)*		**Road / Bridge**
Project name	**I-12: US 190 to LA 59**		Firm responsibility (prime or sub?)		**Prime**
Project number	H.011152	Owner's name	LADOTD		
Project location	St. Tammany Parish, LA		Owner's Project Manager	Jacob Fusilier, PE, PMP	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1185; Jacob.Fusilier@la.gov				
Services commenced by this firm (mm/yy)	10/16		Total consultant contract cost ($1,000's)	$2,606	
Services completed by this firm (mm/yy)	03/23		Cost of consultant services provided by this firm ($1,000's)	$1,648	

RELEVANCY TO THE CONTRACT:

Roadway widening design; bridge widening design; signing design; construction support services

The I-12 Widening project consisted of approximately four miles of Interstate widening in St. Tammany Parish. The project included three lanes in both the Westbound and Eastbound directions, with associated bridge widening and remedial work at the interchange ramps. The project limits began West of the I-12/US 190 interchange and ended at the I-12/LA 59 interchange. Included within these limits were three bridge sites for a total of six structures including I-12 over US 190, I-12 over Ponchitolawa Creek, and I-12 over Tammany Trace/ Ohio Railroad.

TBS was responsible for the design and widening of I-12 between the US 190 and LA 59 interchanges. Within these limits were the Ponchitolawa Creek Bridges and Tammany Trace Bridges. The I-12 over Ponchitolawa Creek bridges each span 175' in length and include 25' reinforced concrete slab spans. I-12 over Tammany Trace (old Gulf, Mobile & Ohio Railroad) each consist of AASHTO Type III prestressed girders founded on 30" PPC pile bents. The Tammany Trace bridges consist of varying skews due to the alignments of the Tammany Trace Walking Path and canal below. Portions of the Interstate include varying median widths with forested areas. The existing surface is asphalt concrete and the widening section will include Open Graded Friction Course wearing surfaces.

TBS served as the prime consultant on this project and was responsible for all roadway and bridge widening design aspects including interstate widening & reconstruction, drainage design, H&V geometric layout, 54-inch concrete median barrier design, permanent interstate signage, coordination for roadway lighting and ITS. TBS prepared the engineering reasoning and decision document and signing plans which ground mounted and overhead footing sign support locations, guardrail design for sign installation, sign shop drawings, and clearance diagrams for overhead signs. Portions of the roadway required complete reconstruction to meet vertical geometric requirements at bridge approaches. TBS was responsible for the design of the bridge widening for the Ponchitolawa Creek and Tammany Trace bridges including TS&L, partial bridge demolition, foundation layout, substructure design, AASHTO Type III prestressed girder design (on varying span skews), Load Rating (LRFR) for the existing and widened structures utilizing AASHTOWare BrR. TBS was also responsible for the Level 4 Traffic Management Plans. TBS Submitted 100% Final Plans in August 2019 and served in a Construction Support Role to DOTD through the completion of construction in Q1 2023. This included revisions of the pavement marking plans due to the construction status of the adjacent project (H.011137). TBS also provided QAQC for pavement marking plans of the adjacent project at the request of DOTD.

Critical Issues and Similarities to this Project

- ***Split phase construction for bridge widening***
- ***Complex construction sequencing to maintain traffic***
- ***Permanent Signing Design***

TBS Team: Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Lawrence Toups, PE; Justin Loup, EI; Daniel Fontenelle, EI; Lisa Osborne

17. Firm Experience:

Firm name	**T. Baker Smith, LLC**		Past Performance Evaluation Discipline(s)*		**Road / Bridge**
Project name	**LA 20 Widen: LA 307 - S. Vacherie**		Firm responsibility (prime or sub?)		**Prime**
Project number	H.013116	Owner's name	LADOTD		
Project location	St. James / Lafourche Parishes, LA		Owner's Project Manager	Corey Landry, PE	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802; 225.379.1889; corey.landry@la.gov				
Services commenced by this firm (mm/yy)	07/17		Total consultant contract cost ($1,000's)	$751	
Services completed by this firm (mm/yy)	06/23		Cost of consultant services provided by this firm ($1,000's)	$637	

RELEVANCY TO THE CONTRACT:

Roadway widening design; bridge widening design

The LA 20 widening project is a safety project featuring asymmetrical roadway widening of the two-lane, rural arterial corridor from near LA 307 to South Vacherie, LA by adding 8' outside shoulders and widening travel lanes. TBS serves as the Prime Consultant and conducted all design services, including Phase A and Phase B bridge and roadway widening plans, Phase C construction design and review services, structural design, bridge load rating, bridge hydraulic and scour design, permanent signing plans and details, right-of-way mapping, topographic surveying services, utility conflict analysis, utility relocation design, subsurface utility engineering (SUE) services (both Quality Level B and Quality Level A), and value engineering services. TBS also coordinated the geotechnical investigation services including the settlement analysis and pavement section determination due to the poor soil conditions of the existing site. TBS conducted the Stage 0 Feasibility Study and conducted the Line and Grade study using Aerial and Mobile LIDAR under separate contracts.

TBS was responsible for all bridge design elements including the replacement of a 5-span reinforced concrete slab span bridge using split-phase construction and special design elements. TBS also worked hand-in-hand with DOTD to coordinate the DOTD in-house design of the LA 20/Bayou Chevreuil bridge, located near the center of the roadway widening project.

The roadway is surrounded by forested swamp land conditions for much of the project's three-mile length. Upon construction completion, this improved section of roadway will meet current Rural Arterial standards and provide increased recovery area for errant vehicles. The project is design complete. Construction is expected to be complete by Q2 2025.

Critical Issues and Similarities to this Project

- ***Split phase construction for bridge widening***
- ***Complex construction sequencing to maintain traffic***
- ***Permanent Signing Design***

TBS Team: Andrée F. Cortez, PE, PMP; Kenny Belou, PE; Kelly Radecker, PE; Daniel Binet, PE; Brady Smith, PE; Lawrence Toups, PE; Justin Loup, EI; Daniel Fontenelle, EI; Lisa Osborne

17. Firm Experience:

Firm name	**T. Baker Smith, LLC**			Past Performance Evaluation Discipline(s)*	**Road**
Project name	**Braud Road at Germany Road Roundabout**			Firm responsibility (prime or sub?)	**Prime**
Project number	MA-18-07	Owner's name	Ascension Parish Government		
Project location	Ascension Parish, LA		Owner's Project Manager	Daniel Helms	
Owner's address, phone, email	42077 Churchpoint Rd. Gonzales, LA 70737; 225.450.1326; daniel.helms@apgov.us				
Services commenced by this firm (mm/yy)	05/18		Total consultant contract cost ($1,000's)	$414	
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)	$345	

RELEVANCY TO THE CONTRACT:

Roundabout design; roadside drainage; suggested sequence of construction

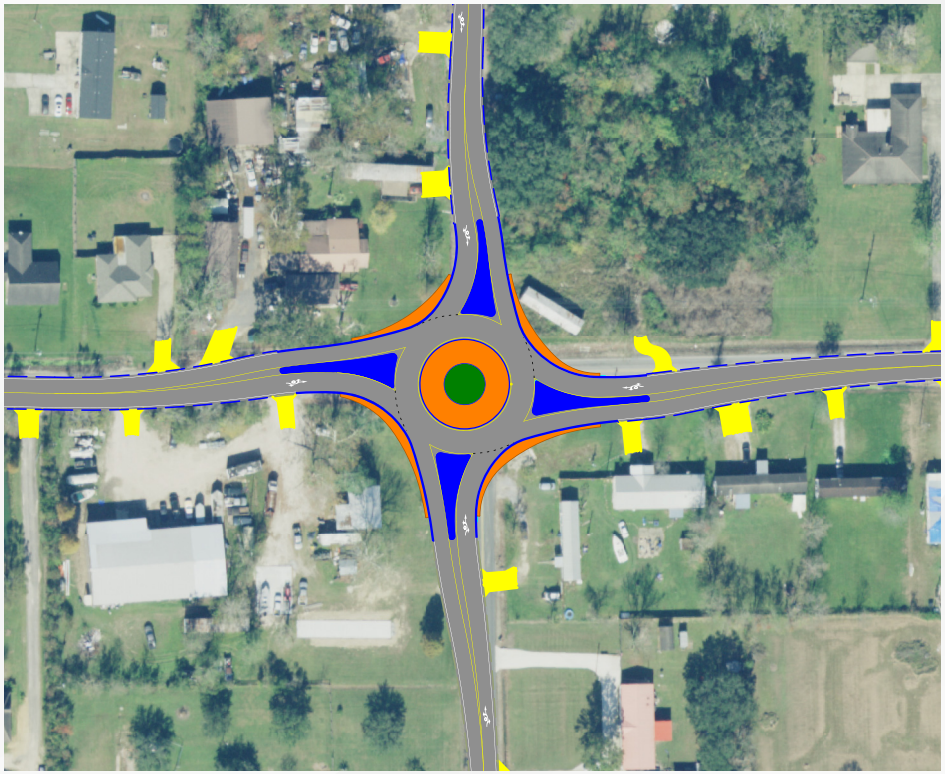
As part of Ascension Parish's Move Ascension Transportation Program, T. Baker Smith, LLC (TBS) was selected as the prime consultant for the Braud Road at Germany Road Roundabout. The intersection of Braud Rd. and Germany Rd. in Prairieville was selected as a major project to replace the current stop-controlled intersection with a roundabout. A roundabout study was conducted by TBS, including traffic analysis and roundabout configurations including slip lanes. Once the roundabout configuration was approved, design plans began for the single lane roundabout at this location.

The scope of work for the Braud/Germany roundabout included Subsurface Utility Engineering (SUE), Utility conflict analysis and relocation management, roadway design of the roundabout and approaches, storm drainage design, and related work. TBS completed the surveying, SUE and utility conflict analysis on an expedited schedule in order to prepare for adjacent project designs including the widening of Germany road. The single lane roundabout includes a 130' inscribed circle with a 20' wide circulatory path. The initial stages of the roundabout design were modeled using Bentley TORUS 5.0 Roundabouts design software and subsequently Bentley Inroads design modeling for plan production including horizontal and vertical geometry, cross sections and drainage design. Plans include utility relocations.

TBS has completed the 90% Final Plans, ahead of schedule, and is currently awaiting utility relocations to be completed to let the project. TBS is responsible for all preliminary and final roadway/roundabout plans, geometric design, existing and design drainage mapping, Utility Conflict Matrices and Project Management.

Critical Issues and Similarities to this Project

- ***Urban Roundabout***
- ***Municipal and Private Utility Conflicts***

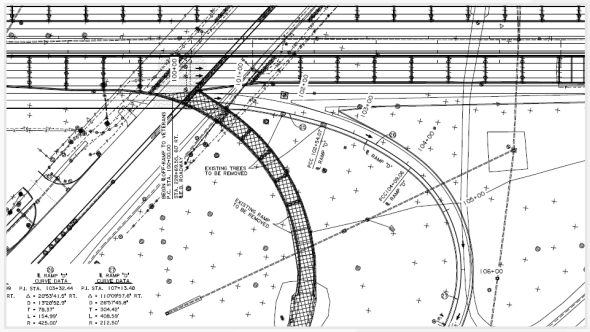


TBS Team: Kenny Belou, PE; Kelly Radecker, PE; Perry Smith, Jr.; Justin Loup, EI; Lisa Osborne

17. Firm Experience:

FIRM NAME	**G.E.C., Inc.**		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	**Road, Bridge**	**
PROJECT NAME	**I-10 Widening, Williams to Veterans**		FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime	
PROJECT NUMBER	H.003074	OWNER'S NAME	LADOTD		
PROJECT LOCATION	Jefferson Parish, Louisiana		OWNER'S PROJECT MANAGER	Timothy Nickel	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, (225) 379-1110, Timothy.nickel@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	07/12		TOTAL CONSULTANT CONTRACT COST ($1,000'S)	$ 7,981	
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing		COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000'S)	$ 5,088	

*Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).*



GEC is currently designing the roadway widening, new bridges, and interchanges of I-10 between Williams Boulevard and Veterans Boulevard in Jefferson Parish. Final design plans are 95% complete and all comments have been addressed. The total project length is 2.58 miles and consists of the construction of one 12' additional lane with a 10' shoulder inside along the I-10 eastbound and westbound roadways. Included in the project is the replacement and widening of the bridges over Canal No. 3 and Veterans Blvd. Sound Barriers, both ground-mounted and structure-mounted on the north side of I-10, and the design of a diamond interchange (WB) and partial cloverleaf interchange (EB). GEC provided feasibility studies, road design, bridge design, electrical design, and environmental analyses for this project. The bridges over Canal No. 3 and Veterans Blvd. will be replaced with a combination of concrete slab spans, PPC girder spans, and steel plate girder spans. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design. The new GEC-designed bridges over Canal No. 3 and Veterans Blvd. will be constructed in 3 phases to maintain 3 lanes of traffic on I-10 in each direction at all times. This project included a level 2 Transportation Management Plan (TMP).

PHASE I: a section of the new westbound bridge will be built in the existing median and designed to carry 3 lanes of traffic. The eastbound traffic will be diverted from the existing eastbound bridge to the new Phase I bridge in the median.

PHASE II: the existing eastbound bridge will be demolished and replaced with a new bridge designed to carry 4 lanes of traffic and one auxiliary lane. Once completed, the eastbound traffic will be re-routed from the Phase I bridge onto the new eastbound bridge. The westbound traffic will be diverted from the existing westbound bridge onto the Phase I bridge in the median.

PHASE III: the existing westbound bridge will be demolished and the second half of the new westbound bridge will be constructed. Once completed, the entire new westbound bridge will be opened to traffic and will be designed to carry 4 lanes of traffic. Sound barriers are included on the north side of the I-10 westbound bridges.

GEC performed an initial extensive load rating of the existing bridges on this stretch of I-10, resulting in LADOTD making an informed decision to replace the bridges. GEC submitted final plans for the replacement bridges and ramps for this highly congested 2.58 mile urban interstate project and completed a detailed as-designed bridge rating for this project in accordance with Bridge Design Technical Memorandum 40.1. In addition, GEC's structural staff is replacing the existing cantilever truss with a full truss and relocating the existing sign. GEC's lighting design department has been tasked with performing lighting design on the interchanges within the project limits - namely, Williams Blvd., Power Blvd., and Veterans Blvd. The lighting design included photometric analyses of the existing lighting system with the proposed roadway geometry and analyzes the design issues found during GEC's review.

FIRM MEMBERS INVOLVED: *Cary Bourgeois, Keith Rebello, Varaprasad Venkata, Jerome Lohmann, Christopher Nipper, Hector Zuniga, Rachel Breaux*

17. Firm Experience:

FIRM NAME	**G.E.C., Inc.**	PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	**Road, Bridge** **
PROJECT NAME	**I-10 & I-12 College Dr Flyover Ramp Design-Build**	FIRM RESPONSIBILITY (PRIME OR SUB?)	Prime
PROJECT NUMBER	H.013897	OWNER'S NAME	LADOTD
PROJECT LOCATION	Baton Rouge, Louisiana	OWNER'S PROJECT MANAGER	Peggy Jo Paine, PE
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, Peggy.paine@la.gov, (225) 379-1065		
SERVICES COMMENCED BY THIS FIRM (MM/YY)	02/20	TOTAL CONSULTANT CONTRACT COST ($1,000'S)	$ 6,079
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000'S)	$ 6,079

*Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).*

The BOH/GEC Team was selected to provide road/bridge design, environmental, and engineering services for this urban freeway interchange Design-Build contract. GEC implemented an innovative design on new alignment that addressed impacts to surrounding areas that was unforeseen in previous studies and design, which simplified the traffic movement through a reduced footprint versus previous conceptual alternatives. This design further reduced the footprint established by NEPA documentation. The Team's design improves the flow of traffic and safety by improving the I-10/I-12 merge through the elimination of lane changes that must occur when I-10 WB traffic exits at College Drive. Our design achieves this by realigning the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment, completely replacing the I-10 WB Overpass Bridge with a new structure at a bridge width which will accommodate both the I-10 WB through lanes and the I-10 WB College exit ramp, and utilizing the existing I-12 WB pavement for the I-12 WB College Drive exit ramp. Improvements to the I-12/I-10 exit lane with College Drive intersection are also included.

GEC provided environmental compliance plans and permitting services, including adhering to and updating NEPA Documentation, environmental mitigation, wetland mitigation, SWPPP, tree impact plan, and permit modification services. GEC also revised the existing network study and conceptual alternatives analysis (line and grade alternatives), ROW acquisition plan, hurricane preparedness and evacuation plan, safety plans, and the Interchange Modification Report (IMR). GEC also provided public/stakeholder outreach and conducted public meetings.

GEC is the task lead for road and bridge design, in addition to design of the new I-10 westbound bridge and rehabilitation plans for the I-12 to I-10 Flyover and Essen Lane overpass. GEC also designed the widening of the I-10 westbound bridge over Ward Creek. This bridge structure is comprised of three 55' long simple spans composed of rolled steel girders with a cast in place concrete deck. GEC's design services include the rehabilitation of the existing bridge and replacement of the deck joints. The project required that 5 lanes of traffic be maintained at all times though this heavily traveled corridor. GEC staff developed the bridge plans to construct the widening and rehabilitation in multiple phases in order to maintain the 5 lanes of traffic. GEC's design of the bridge also accommodates a sound barrier. GEC provided the roadway construction plans for this project and was responsible for the geometric layout for the entire project, ensuring conformance to DOTD and AASHTO standards. GEC provided hydraulic design which included the design of several subsurface drainage systems and cross drains. GEC also performed hydraulic channel analysis to ensure the project did not negatively impact the surrounding areas. An opinion of probable cost for the project were also calculated by the GEC team and provided to the contractor. In addition to bridge and roadway design, GEC completed a photometric report and lighting plans for the design-build project. The lighting design consists of both high mast and low mast lighting. This requires the review of engineering shop drawings and equipment submittals from the electrical contractor. This project also includes modifications of the I-10/I-12 exit ramp intersection with College Drive.

Construction for this project has begun, with an estimated completion of summer 2024.

FIRM MEMBERS INVOLVED: *Sherri LeBas, Cary Bourgeois, Jerome Lohmann, Christopher Nipper, Keith Rebello, Varaprasad Venkata, Hector Zuniga, Rachel Breaux*

17. Firm Experience:

FIRM NAME	**G.E.C., Inc.**		PAST PERFORMANCE EVALUATION DISCIPLINE(S)*	**Road, Bridge**	**
PROJECT NAME	**I-10: LA 415 to Essen Lane on I-10 and I-12**		FIRM RESPONSIBILITY (PRIME OR SUB?)	Sub	
PROJECT NUMBER	H.004100	OWNER'S NAME	LADOTD		
PROJECT LOCATION	East and West Baton Rouge Parishes, Louisiana		OWNER'S PROJECT MANAGER	Nicholas Olivier	
OWNER'S ADDRESS, PHONE, EMAIL	1201 Capital Access Road, Baton Rouge, LA 70804, 225-379-1133, nicholas.olivier@la.gov				
SERVICES COMMENCED BY THIS FIRM (MM/YY)	09/20	TOTAL CONSULTANT CONTRACT COST ($1,000'S)		Unknown	
SERVICES COMPLETED BY THIS FIRM (MM/YY)	Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM ($1,000'S)		$ 3,860	

*Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.) *If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent. **This field cannot be left blank and N/A is not acceptable. The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).*

As a sub-consultant to Huval, GEC is providing project management, engineering and related design services to develop the construction plans for the Construction Management at Risk (CMAR) project for the improvements to I-10, including frontage roads, through the urban area of Baton Rouge, LA. LADOTD is in the process of widening I-10 from the LA 415 interchange (west side of Mississippi River) to just east of the I-10/I-12 split (east side of the Mississippi River). CMAR Phase 1 of the Project extends from W. of Washington Street to just east of the I-10/I-12 interchange (east side of the Mississippi River). CMAR Phase 2 is the remainder of the corridor from LA 415 to just W. of Washington Street (Lorri Burgess Avenue) (work in this area will exclude the existing Mississippi River Bridge). GEC assisted with the design and development of the Roadway Corridor Preservation (RCP) Plans for Phase 1. GEC is currently providing project management and design services for CMAR Segment 1 (west of Washington Street to just east of Acadian Thruway).

GEC's structures and bridge teams are responsible for design of all retaining walls for the project which includes cast-in-place concrete walls and mechanically stabilized earth (MSE) walls and noisewalls at locations identified in the environmental document. GEC designed a two-span truss spanning a future widened I-10 near Dalrymple Drive to support multiple Dynamic Message Signs as part of the ITS portion of this project. GEC is also providing the engineering design for the new bridge at the westbound exit at the Washington Street off ramp.

GEC electrical staff is designing the roadway lighting for the I-10 improvements and the enhancement lighting which includes lighting of the new City Park Lake Bridge. This work included coordinating with the designer of the bridge for strategically placed blockouts in the bridge structure to accommodate the enhancement lighting equipment as well as the placement of electrical conduit in order to provide electrical equipment and conduit that would blend in with or be hidden within the structure. GEC staff is also developing the roadway and enhancement lighting for the main cross streets that traverse under I-10 such as Louise Street, East Washington Street and others, which includes 4 new roundabouts that are being design and constructed in CMAR Segment 1. Additionally, GEC is developing the lighting plans for the multi-use path that will traverse under I-10 from the I-110/I-10 Interchange to Dalrymple Drive.

GEC's road design team is providing the design for the parking and extension of Greenwood Drive within the Perkins Road Overpass area. This includes providing parking layout in the area where the Perkins Road On/Off Ramps will be removed, drainage and the new roadway alignment of Greenwood Drive. GEC's electrical staff will provide the design for the lighting of Greenwood Drive, the parking areas, multi-use path and the enhancement lighting for this area.

Since this is a CMAR project, the GEC team has engaged in numerous TF meetings discussing design, constructability issues, and ideas for reducing cost and/or schedule. The GEC team is working collaboratively with the other design team members and contractor. The team has been nimble throughout the CMAR process to assist and accommodate vetting ideas, modify designs, and develop strategies to deliver this complex project on schedule for the citizens that live within the corridor, use the interstate for travel to and from work and/or pleasure and travel through Baton Rouge.

FIRM MEMBERS INVOLVED: *Sherri LeBas, Cary Bourgeois, Keith Rebello, Varaprasad Venkata, Christopher Nipper, Hector Zuniga, Rachel Breaux*

17. Firm Experience:

Firm name	**Vectura Consulting Services, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project name	**I-10 ITS Scott to Lake Charles**			Firm responsibility (prime or sub?)	**Sub**
Project number	H.013256.5	Owner's name	DOTD		
Project location	I-10 (District 07)		Owner's Project Manager	Roy Esteven, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov				
Services commenced by this firm (mm/yy)	01/21		Total consultant contract cost ($1,000's)	unknown	
Services completed by this firm (mm/yy)	03/21		Cost of consultant services provided by this firm ($1,000's)	$20	

Vectura Consulting Services, LLC (Vectura) performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies.

Personnel Utilized on this project: Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington (100% performed in Louisiana)

17. Firm Experience:

Firm name	**Vectura Consulting Services, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project name	**Roundabout: US 171 at Boone St.**			Firm responsibility (prime or sub?)	**Sub**
Project number	H.011909.5	Owner's name	DOTD		
Project location	Vernon Parish, LA		Owner's Project Manager	Josh Harrouch	
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV				
Services commenced by this firm (mm/yy)	04/17		Total consultant contract cost ($1,000's)	unknown	
Services completed by this firm (mm/yy)	12/20		Cost of consultant services provided by this firm ($1,000's)	$82	

Vectura Consulting Services, LLC (Vectura) designed temporary traffic signal plans as part of the sequence of construction plan for a roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. The purpose of the project was to replace the existing signalized intersection with a multilane roundabout at Boone Street.

Temporary Traffic Signal Design
Vectura performed following design tasks to develop temporary traffic signal plans

- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

VECTURA

Quality Control Review
Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

Personnel Utilized on this project: Brin Ferlito, Reece Rodrigue, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)

17. Firm Experience:

Firm name	**Vectura Consulting Services, LLC**			Past Performance Evaluation Discipline(s)*	**Traffic**
Project name	**LA 30 Roundabouts at Tanger I-10**			Firm responsibility (prime or sub?)	**Sub**
Project number	H.010960.5	Owner's name	DOTD		
Project location	Ascension Parish, LA		Owner's Project Manager	Josh Harrouch	
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV				
Services commenced by this firm (mm/yy)	04/17		Total consultant contract cost ($1,000's)	unknown	
Services completed by this firm (mm/yy)	12/20		Cost of consultant services provided by this firm ($1,000's)	$153	

Vectura Consulting Services, LLC (Vectura) designed temporary traffic signal plans that will be implemented during construction of the three roundabouts along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also provided Quality Control review of construction plans.

Temporary Traffic Signal Design
Vectura performed following design tasks to develop temporary traffic signal plans

- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

VECTURA

Quality Control Review
Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

Personnel Utilized on this project: Brin Ferlito, Reece Rodrigue, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)

18. Approach and Methodology:

INTRODUCTION

To facilitate growth, enhance safety, and increase efficiency, LADOTD identified the need to design and construct three roundabouts at the intersections of LA 44 and I-10 ramps (westbound and eastbound) and LA 44 and West Edenborne Parkway. In addition, there are two bridges within the project limits that will be widened or replaced based on the Bridge Evaluation Report. The improvements will create a safer solution for the traveling public.

TEAM AND MANAGEMENT APPROACH

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. For this project, TBS will serve as the prime consultant providing overall project management, roadway and bridge design, and utility coordination. Our team's experience includes more than 10 roundabouts in Southern Louisiana, and over 120 bridge replacements, rehabilitations, and widenings in the last five years. Notable projects completed by our design team with similar components to this advertisement include:

- US 190 at Northshore and Camp Villere (Urban multi-lane roundabout)
- I-12: US 190 to LA 59 (Widening of the Pontchitolawa Creek Bridge and permanent sign design)
- LA 621 at Roddy Rd (Urban roundabout and utility relocation coordination)
- I-10 Widening, Williams to Veterans (Bridge Evaluation Report, and subsequent bridge replacement using split-face construction)
- LA 20 Widen: LA 307 - S. Vacherie (Roadway widening and bridge replacement using split-phase construction)

TBS has partnered with trusted subconsultants with an in-depth understanding of the project's goals, objectives, and requirements and a successful history of delivering LADOTD projects. G.E.C., Inc. (GEC) will provide road and bridge design expertise to the TBS Team. GEC boasts a highly qualified staff of engineers renowned for their proficiency and timeliness, with a respected reputation established over 30 years of collaboration with LADOTD. Vectura Consulting Services, LLC (Vectura), a certified DBE firm, will support the traffic analysis, design, and traffic management plan (TMP). Vectura has worked closely with LADOTD staff to develop and implement the TEPR process.

Experienced Project Leadership

The TBS project approach begins with the assignment of an experienced and knowledgeable Project Manager.

KENNY BELOU, PE, has 18 years of experience in the planning and design of transportation projects using LADOTD and AASHTO design guidelines as well as local, state, and federal procedures. He is well versed in providing similar design services in Ascension Parish as well as throughout the state, including the LA 621 at Roddy Road, US 190 at Northshore and Camp Villere, Braud at Germany roundabouts, and LA 20 Widening: LA 307 to S. Vacherie.

Allocation of Resources

Key personnel are all Louisiana residents and professionals in good standing that know how to plan, design, and safely construct traffic and transportation infrastructure. Having all these resources within the TBS team facilitates management and allocation of staff allowing Kenny to assign the right resources instantly and coordinate disciplines efficiently. With GEC and Vectura, we will develop a staffing and resource allocation plan to maintain staff continuity. This established process and philosophy results in successfully and consistently delivered quality plans.

PROJECT UNDERSTANDING

The LA 44: I-10 Roundabouts project located in Gonzales, LA, consists of two multi-lane roundabouts at the intersections of LA 44 and I-10 and one multi-lane roundabout at the intersection of LA 44 and West Edenborne Parkway. Adjacent and within the project limits are two bridges that will be widened or replaced. The existing intersections at I-10 are four-legged, signalized intersections. The intersection at LA 44 and Edenborne is a three-legged, signalized intersection. With the two adjacent bridges, TBS understands the importance of the roundabout placement so that minimal bridge realignment/reconstruction will be required while still maintaining a fully operating and effective roundabout.

The TBS team has thoroughly researched the LA 44: I-10 roundabout locations including multiple site visits to observe existing conditions, traffic patterns, structural components, and space constraints to identify potential challenges. In addition, our team met with the LADOTD Project Manager, Jacob Fusilier, PE, PMP, to develop an in-depth understanding of the project's goals, objectives, and expectations.

Potential Challenges and Resolutions

Construction Sequencing | This portion of LA 44 includes interchanges with entrance and exit ramps for I-10 as well as the access to River Parishes Community College and the future Edenborne Parkway Subdivision via Edenborne Parkway. Accordingly, maintaining access and flow of traffic during construction is critical for project success.

The TBS team will develop the sequence of construction early in the design process to inform the scope and level of detail required by the Traffic Management Plan. Phased construction of the two bridges will be necessary for either the replacement or widening options, allowing the flow of traffic throughout the duration of construction.

Construction Sequencing

Structures | The two existing structures at the Edenborne intersection were built in 1978 and consist of five 25-foot-long reinforced skewed concrete slab spans founded on PCC piles. The TBS team will develop recommendations in the Bridge Evaluation Report to widen or replace the structures based on an in-depth inspection and load rating.

Structures

Drainage | There are existing drainage structures within the project limits including under LA 44 and I-10 ramps. The TBS team will evaluate the existing infrastructure to determine if the drainage structures should be extended or replaced.

Drainage

Utilities | Coordinating with the existing utilities within the project limits including gas pipelines and overhead transmission 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 prepare a Utility Conflict Matrix in conjunction with our design team which will be submitted in our preliminary plan documents.

Utilities

PROJECT DELIVERY APPROACH AND METHODOLOGY

Based on TBS' knowledge of the area, existing infrastructure, and the goals and objectives for the project, we have prepared the following approach for the scope of services identified in the Request for Proposal.

Road Design

Early data collection and field reconnaissance provides the foundation for the road design and applicable design criteria. Once the criteria are reviewed and approved by LADOTD, the TBS team will begin the design process and location selection of each roundabout using TORUS. Determining the location of the roundabout is one of the first steps and is dependent on numerous factors such as:

- Sequencing of construction
- Maintaining safe traffic operations
- Addressing areas of concern(including existing bridge structures and major utility conflicts)
- Verifying optimal alignment offset

With two existing structures located on the south side of the proposed Edenborne roundabout, this leg will be a crucial consideration to the best possible geometric design that adheres to the LADOTD's standards and guidelines. The TBS team will verify the horizontal and vertical alignments and cross slope transition seamlessly with the proposed bridge improvements.

Once the preferred location is determined, the TBS team will design the approach geometry. Considering the high speed corridor, deflection will be critical to slow traffic for roundabout operation, and vehicle path overlap will be closely monitored for this multi-lane roundabout. AutoTURN will be used to finalize geometry for WB-67 truck turn movements including the inscribed circle diameter, approach geometry, and truck aprons. An in-depth drainage analysis will be conducted using HYDRWIN and TBS's internal roundabout drainage analysis tool. Our team's extensive knowledge and Inroads modeling expertise allows us to complete most of this effort in the beginning phases of development, where we develop limits of construction lines, cross sections, earthwork quantities, and preliminary right-of-way taking lines. Upon review and acceptance of the preliminary design, the TBS team develops the graphical grades and layouts for joints, pavement markings, and permanent signing including non-standard signs.

Bridge Design and Evaluation

The TBS team will revisit the bridge site and meet with LADOTD's bridge design task manager. We will review overall goals of the project, discuss bridge design criteria, and assess how particular structural elements interact with the proposed roundabout directly north of the site. The team's roadway and bridge design

personnel will establish and finalize the alignment of this segment since the proposed roundabout may require an atypical interface and geometry.

The existing load rating reports for the bridges will be reviewed in conjunction with a hands-on structural inspection to determine if the existing structures can be rehabilitated and widened, or if they need to be replaced. We will prepare a Bridge Evaluation Report outlining the elements involved in widening versus replacement including estimated construction costs and long-term maintenance costs, constructability, utility coordination, and design parameters along with final recommendations for LADOTD to review.

LADOTD will provide its structural design choice and the TBS team will begin its Bridge Design Stage. Utilizing programs such as OpenBridge and STAAD, preliminary design components and details will be developed. These will be finalized throughout the Submittal Stages with input from LADOTD. After the design and details are completed, the TBS team will provide an "as-designed" Load Rating of all superstructure and substructure components of the bridge in accordance with the applicable manuals and guidelines.

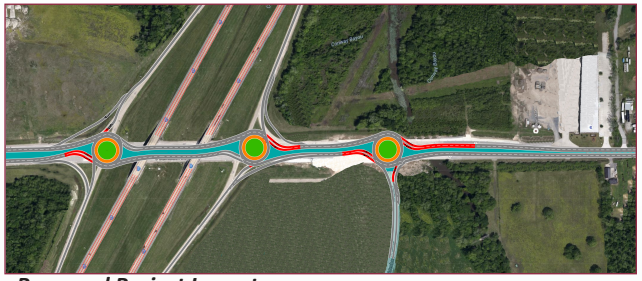
Traffic Engineering

Vectura will coordinate with LADOTD to obtain historical traffic volume and safety data or follow the Traffic Study Scope of Services (per the LADOTD Traffic Engineering website) to perform safety analysis and alternative route analysis. Vectura will coordinate with TBS road and bridge designers to create a Work Zone Impact Management Strategy document to minimize risks and delays to the traveling public. If needed, an optimum detour route will be developed, specifying TCC details or project-specific requirements.

PLAN DEVELOPMENT AND PROJECT MILESTONES

Scoping Meeting

Within 15 days after selection, the TBS team will request and review existing data and conduct a scoping meeting with the appropriate LADOTD personnel. The goal of this meeting is to address all design components and identify and discuss critical elements. 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.



Proposed Project Layout

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.

Bridge Inspection & Evaluation

TBS will revisit the bridge sites and conduct an in-depth structural inspection. With field data and the existing LRFR and condition reports, our bridge team will conduct a load rating analysis. A Bridge Evaluation Report will be prepared to provide recommendations to LADOTD for rehabilitation or replacement. LADOTD will review and select their preferred option, allowing the design process to begin.

Design Criteria, Geometric Layouts, and Exhibits

Using the data and site information, the TBS team will provide the design criteria, including the Draft Design Report Forms, and determine if there are any design waivers/exceptions. Developing the criteria and working with the LADOTD task managers early in the process allows for cohesion on critical decisions. Once the initial layout is reviewed and accepted by LADOTD, the TBS team will create exhibits for the public meetings. The initial preliminary layout will be the foundation for identifying right-of-way and utility impacts. Subsequent submittal stages will include construction cost estimates, design review forms, and a QA/QC checklist.

Preliminary Design

After review and confirmation of initial geometric layout, major design elements and permit sketches for environmental clearance will be developed as a part of the 60% Preliminary Plan Stage. The Level 2 (or draft Level 3) TMP will be prepared. Following review, the 90% Preliminary Plan Stage will proceed and design will continue. The design team will prepare any Design Waivers/Exceptions (if necessary), a Preliminary Plans QA/QC checklist, a Utility Conflict Matrix, and the Draft Engineering Reason and Decision document. After plans are submitted,

the Plan-in-Hand meeting and site visit will be held to ensure all interested parties are in agreement on major design decisions, pay items, and scope items. TBS will prepare comprehensive meeting minutes for distribution within three days. 100% Preliminary Plans and final Right-of-Way taking lines will be developed and provided. TBS will attend the Joint Plan Review as directed by the LADOTD Project Manager and LADOTD Location and Survey.

Final Design

Once environmental clearance and NTP is received, the final plan development begins. This includes submittals at 60%, 95%, 98%, and 100% stages. Structural design and detailing for bridge superstructure, substructure, approach slabs, and pile data and elevations will be developed. Additional documents submitted at this phase include the Final Engineering Reason and Decision document and final sealed Design Report forms. Upon LADOTD review of the 60% final plans, TBS will address comments and revise the plans. A Contract Time Worksheet will be submitted, and a final plan meeting will be held after distribution of the 95% final plans. The 100% final plan will consist of a full-size plan set that is signed, sealed, and dated by the Engineer of Record; a Storm Water Pollution Prevention Plan (SWPPP); cost estimate; final LRFR; calculation book; and Final QA/QC form.

Letting Assistance & Construction Support

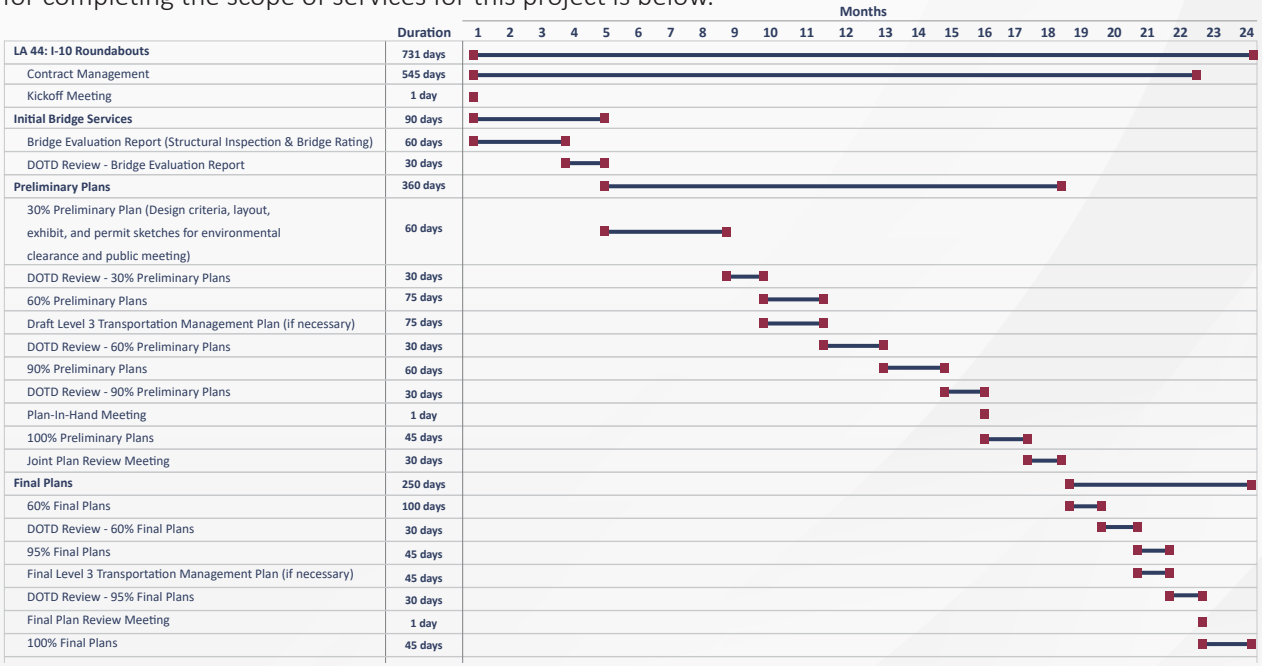
Attentiveness and responsiveness are essential during post design services. TBS will provide responses to any questions submitted to LADOTD's Falcon plan distribution system and prepare any necessary addenda or plan revisions. If directed by the LADOTD Project Manager, our team will be readily available to perform construction support, including shop drawing reviews, RFI responses, and any necessary change orders. Our team has extensive construction support as well as construction engineering and inspection experience on major projects across the State of Louisiana.

QA/QC

TBS' project management includes a systematic QA/QC program. Andree Cortez, PE, PMP and Sherri LeBas, PE will serve as QA/QC Managers for this project. Prior to each progress submittal, an independent design review is conducted to assess constructability, conformance to standards, uniformity/appearance, interdisciplinary compatibility, and to confirm that all prior review comments have been addressed. Following the review and prior to submission, Design Review and Comment forms will be prepared and utilized for internal and LADOTD comments alike. Additionally, TBS' Transportation Group has developed internal design and plan production checklists--including separate, specific checklists for roundabouts and bridges. These combined methodologies have resulted in a proven history of providing quality plans with minimal field modifications or errors, as shown by our successful past project performance on large-scale and similar-concept projects. A detailed, project specific QA/QC Plan for the the Conway Bayou bridges are included in Section 21 of this proposal.

PROJECT SCHEDULE

The TBS team offers the breadth of technical resources that are needed to maintain stability and continuity throughout any project. TBS has a proven track record of achieving deliverable milestones and maintaining schedules to meet the requirements. With an emphasis on budget compliance and schedule efficiency, TBS will partner with LADOTD to fully understand your concerns and expectations. The Microsoft Project Schedule will be monitored and updated monthly to verify we adhere to the project milestones. Our proposed schedule for completing the scope of services for this project is below.



	Duration
LA 44: I-10 Roundabouts	731 days
Contract Management	545 days
Kickoff Meeting	1 day
Initial Bridge Services	90 days
Bridge Evaluation Report (Structural Inspection & Bridge Rating)	60 days
DOTD Review - Bridge Evaluation Report	30 days
Preliminary Plans	360 days
30% Preliminary Plan (Design criteria, layout, exhibit, and permit sketches for environmental clearance and public meeting)	60 days
DOTD Review - 30% Preliminary Plans	30 days
60% Preliminary Plans	75 days
Draft Level 3 Transportation Management Plan (if necessary)	75 days
DOTD Review - 60% Preliminary Plans	30 days
90% Preliminary Plans	60 days
DOTD Review - 90% Preliminary Plans	30 days
Plan-In-Hand Meeting	1 day
100% Preliminary Plans	45 days
Joint Plan Review Meeting	30 days
Final Plans	250 days
60% Final Plans	100 days
DOTD Review - 60% Final Plans	30 days
95% Final Plans	45 days
Final Level 3 Transportation Management Plan (if necessary)	45 days
DOTD Review - 95% Final Plans	30 days
Final Plan Review Meeting	1 day
100% Final Plans	45 days

WHY SELECT THE TBS TEAM

The LADOTD needs a team with top-notch technical expertise coupled with the local area knowledge needed to deliver highly effective and efficient engineering solutions for the LA 44: I-10 Roundabouts project. Headquartered in Louisiana for over 100 years, TBS and their strategic team partners are the right choice for LADOTD. Our team offers:

- **Strong, proven leadership with diverse expertise.**
- **Creative, solutions-oriented design.**
- **Extensive familiarity and knowledge of LADOTD.**

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
T. Baker Smith, LLC	Road	4400013407/H.013199	Country Estates Dr. Over St. Louis Bayou	$750
		4400019336/H.014217	LA 537: Bridges Near Plain Dealing	$5,465
		4400019336/H.014219	LA 507: Creek Bridges Near Simsboro	$6,007
		4400019336/H.014228	LA 159: Bridges Near Shongaloo	$4,273
		4400019336/H.014231	LA 153: Topy Creek Relief & Drain Brs	$55,568
		4400019336/H.014236	LA 3008: Bridges Near Cotton Valley	$71,486
		4400019336/H.014238	LA 818: Barnet Springs & Creek Bridges	$4,241
		4400019336/H.014239	LA 589: Lyon Bayou Bridge	$21,124
		4400019336/H.014264	LA 556: Bridges Near Choudrant	$3,453
		4400025027/H.015339	Lakeside Loop Over Yocum Creek	$72,426
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$33,431
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$32,379
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$141,482
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$36,484
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$31,461
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$34,423
		4400025027/H.015448	Philadelphia Road Over Haines Creek	$33,233
		4400025027/H.015449	Grand Staff Road Over Creek	$34,609
		4400019336/H.014238	LA 818: Barnet Springs & Creek Bridges	$4,241
		4400024928/H.015576	LA 447 & LA 1025: ROUNDABOUT	$284,648
T. Baker Smith, LLC	Bridge	4400013407/H.013199	Country Estates Dr. Over St. Louis Bayou	$799
		4400019336/H.014217	LA 537: Bridges Near Plain Dealing	$4,875.00
		4400019336/H.014219	LA 507: Creek Bridges Near Simsboro	$5,778
		4400019336/H.014228	LA 159: Bridges Near Shongaloo	$1,939
		4400019336/H.014231	LA 153: Topy Creek Relief & Drain Brs	$56,184
		4400019336/H.014236	LA 3008: Bridges Near Cotton Valley	$72,278

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
T. Baker Smith, LLC	Bridge	4400019336/H.014238	LA 818: Barnet Springs & Creek Bridges	$4,121
		4400019336/H.014239	LA 589: Lyon Bayou Bridge	$12,446
		4400019336/H.014264	LA 556: Bridges Near Choudrant	$3,428
		4400025027/H.015339	Lakeside Loop Over Yocum Creek	$32,952
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$17,380
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$16,833
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$67,992
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$18,967
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$16,306
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$17,896
		4400025027/H.015448	Philadelphia Road Over Haines Creek	$17,277
		4400025027/H.015449	Grand Staff Road Over Creek	$17,993
T. Baker Smith, LLC	Environmental	4400019336/H.014217	LA 537: Bridges Near Plain Dealing	$4,470
		4400019336/H.014219	LA 507: Creek Bridges Near Simsboro	$2,411
		4400019336/H.014222	LA 516: Poland Branch Bridge	$1,052
		4400019336/H.014231	LA 153: Topy Creek Relief & Drain Brs	$15,059
		4400019336/H.014236	LA 3008: Bridges Near Cotton Valley	$20,854
		4400019336/H.014238	LA 818: Barnet Springs & Creek Bridges	$1,721
		4400019336/H.014239	LA 589: Lyon Bayou Bridge	$6,535
		4400019336/H.014264	LA 556: Bridges Near Choudrant	$11,294
		4400025027/H.015339	Lakeside Loop Over Yocum Creek	$35,927
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$19,056
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$18,457
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$51,384
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$20,797
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$20,569
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$19,622

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
T. Baker Smith, LLC	Environmental	4400025027/H.015448	Philadelphia Road Over Haines Creek	$18,943
		4400025027/H.015449	Grand Staff Road Over Creek	$19,728
T. Baker Smith, LLC	Other (Hydraulics)	4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$16,000
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$11,323
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$5,599
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$10,683
T. Baker Smith, LLC	Other (Construction Support)	4400013203/H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	$85,208
		4400004726/H.004113	LA 3241: LA 435 to LA 40/41	$97,421
		4400017598/H.013942	LA 9: Middle Fork Bayou and Creek Bridges	$14,214
		4400025027/H.015339	Lakeside Loop Over Yocum Creek	$15,807
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$7,622
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$7,382
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$31,421
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$8,318
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$8,227
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$7,848
		4400025027/H.015448	Philadelphia Road Over Haines Creek	$7,577
		4400025027/H.015449	Grand Staff Road Over Creek	$7,890
T. Baker Smith, LLC	Other (Contract management)	4400019336/H.014217	LA 537: Bridges Near Plain Dealing	$2,389
		4400019336/H.014219	LA 507: Creek Bridges Near Simsboro	$782
		4400019336/H.014222	LA 516: Poland Branch Bridge	$149
		4400019336/H.014228	LA 159: Bridges Near Shongaloo	$1,042
		4400019336/H.014231	LA 153: Topy Creek Relief & Drain Brs	$10,566
		4400019336/H.014236	LA 3008: Bridges Near Cotton Valley	$6,774
		4400019336/H.014238	LA 818: Barnet Springs & Creek Bridges	$1,646
		4400019336/H.014239	LA 589: Lyon Bayou Bridge	$8,178
		4400019336/H.014264	LA 556: Bridges Near Choudrant	$6,690

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
T. Baker Smith, LLC	Other (Contract management)	4400025027/H.015339	Lakeside Loop Over Yocum Creek	$16,545
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$9,825
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$9,278
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$22,935
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$10,186
		4400025027/H.015446	Craigerville Road Over Mayhaw Branch	$9,677
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$9,863
		4400025027/H.015448	Philadelphia Road Over Haines Creek	$9,766
		4400025027/H.015449	Grand Staff Road Over Creek	$10,171
T. Baker Smith, LLC	Other (Subsurface Utility Engineering-SUE)	H.003931.5	Calcasieu River Bridge UC and Test Holes	$45,775
T. Baker Smith, LLC	Survey	4400024928/H.015576	LA 447 & LA 1025: ROUNDABOUT	$92,323
		4400025027/H.015339	Lakeside Loop Over Yocum Creek	$65,288
		4400025027/H.015442	Bobby Gaspard Crossing Over Bayou Glaise	$32,701
		4400025027/H.015443	Bordelon Crossing Over Bayou Rouge	$33,441
		4400025027/H.015444	Shady Grove Road Over Middle Creek	$51,345
		4400025027/H.015445	Harrisonburg Road Over Nantaches Creek	$11,404
		4400025027/H.015447	Cutts Road Over Hemphill Creek	$15,849
		4400025027/H.015448	Philadelphia Road Over Haines Creek	$35,040
		4400025027/H.015449	Grand Staff Road Over Creek	$33,689

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
G.E.C., Inc.	Road	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$70,810
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	$260,195
		H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	$47,860
G.E.C., Inc.	Bridge	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$88,070
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Bridge & Sound Walls) (Sub to Huval)	$210,000
		S.P. # H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	$74,800
		44-04900, H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	$219,878
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	$1,061,044
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	$148,795
G.E.C., Inc.	Environmental	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$23,924
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 4 years)	$80,628
G.E.C., Inc.	ITS	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$19,447
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	$110,000
G.E.C., Inc.	CE&I/OV	44-23074, H.010724.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Pecan Island Road Over the Chenal	$0
		44-23074, H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	$250,598

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
G.E.C., Inc.	CE&I/OV	44-23074, H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	$643,129
		44-23074, H.015022.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 976: LA 81 - US 190	$0
		44-23074, H.014694.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 426: LA 73 - Sherwood Forest	$151,568
		44-23074, H.014930.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Rumble Strips: District 61 - Area C	$81,693
		44-19950, H.002735.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - Bayou Vermillion Bridge	$0
		44-19950, H.003003.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-10: I-49 - LA 328	$0
		44-19950, H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb. Caffery / US 90 Interchange	$355,142
		44-19950, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	$418,507
		44-19950, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 – Van Buren Street Over Corp. Canal	$197,847
		44-14315, H.003370.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	$0
		44-14315, H.010000.6	IDIQ for Painting Inspection & Environ. Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	$38,392
		44-17006, H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	$67,910
		44-23897, H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	$1,536,597
		44,24438, H.010673.6	US 90: Harvey Canal Tunnel Rehab (CE&I), Jefferson Parish	$1,722,850
G.E.C., Inc.	Other (Electrical)	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$301,419
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	$107,000

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
G.E.C., Inc.	Other (Electrical)	H.013897	I-10 & I-12 College Drive Flyover Ramp Design-Build Project (Sub to Boh Bros.)	$45,000
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd., Route I-10, Jefferson Parish, LA	$54,012
		44-11354, H.013442.6	IDIQ Contract for Electrical Statewide-I-10: Crowder Boulevard Interstate Lighting (Expires 7/3/24)	$43,000
		44-11354, H.013617.6	IDIQ Contract for Electrical Statewide-I-10: I-610E Interchange Lighting, T.O. #1 (Expires 7/3/24)	$116,600
		44-11354, H.014552.5	IDIQ Contract for Electrical Statewide-I-49: LA 31 Interchange Lighting (Opelousas), T.O. #2 (Expires 7/3/24)	$123,432
		44-11354, H.014556.5	IDIQ Contract for Electrical Statewide-I-49: US 190 Interchange Lighting (Opelousas), T.O. #3 (Expires 7/3/24)	$130,718
		44-11354, H.014557.5	IDIQ Contract for Electrical Statewide-I-49: Judson Walsh Drive Interchange Lighting (Opelousas), T.O. #4 (Expires 7/3/24)	$154,288
		44-11354, H.014553.5	IDIQ Contract for Electrical Statewide-I-49: LA 3233 Interchange Lighting (Opelousas), T.O. #5 (Expires 7/3/24)	$278,380
		44-11354, H.015598.5	IDIQ Contract for Electrical Statewide-I-210: Hurricane Laura Lighting Repairs, T.O. #6 (Expires 7/3/24)	$15,184
		44-05660, H.012874.6	Retainer Contract for Electrical Services - I-55: LA 22 Interstate Lighting (Sub to Buchart-Horn)	$20,153
G.E.C., Inc.	Other (DOTD Support Services)	44-17329	Retainer Contracts for Innovative Procurement and Alternative Delivery Support Services (Sub to HNTB Corporation) (No Task Orders Issued) (NOTE: No work expected for GEC under this Contract.)	$0
G.E.C., Inc.	Other (Program Management	44-16958	Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approx. $290,000/ year. We are in year 3 of 6. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work).	$1,281,896
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1 (Note: Work will be performed over 4 years)	$182,150

19. Workload:

Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
G.E.C., Inc.	Other (Program Management	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	$115,285
		44-18646, H.004100	I-10 Baton Rouge Widening CMAR Segment 1 (Sub to Huval)	$110,000
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	$74,429
		4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	$92,995
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
		4400021519 H.012030.5	KCS RR Overpasses HBI	$572
		4400023075 H.013522	S. Lewis Street Widening	$7,499
		4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	$22,388
		4400018271 H.011242.1	LA 384 (Big Lake Rd to McNeese St)	$31,827
Vectura Consulting Services, LLC	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	$33,910
Vectura Consulting Services, LLC	ITS	4400016364 H.015136.4	Northshore Regional ITS Architecture Update	$11,421
		4400017922 H.012845.1	C/AV Team and Working Group Support	$13,949
		44000020058 H.011507.1	Monroe Phase 3 SEA	$29,217

20. Certifications/Licenses:

Firm Licenses

T. BAKER SMITH
A CENTURY OF SOLUTIONS

Louisiana Professional Engineering and Land Surveying Board

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

Name: T. Baker Smith, LLC

Public Address:
Ms. Lorre Autin
P. O. Box 2266

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003388	Active	12/20/2005	03/31/2024	Mr. Kenneth William Smith # PE.0024642

UNITED STATES OF AMERICA
State of Louisiana

R. Kyle Ardoin
SECRETARY OF STATE

As Secretary of State of the State of Louisiana, I do hereby Certify that

T. BAKER SMITH, LLC

A limited liability company domiciled in HOUMA, LOUISIANA,

Filed charter and qualified to do business in this State on January 07, 1965,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Baton Rouge on,

March 1, 2022

Secretary of State

Web 26901340K

STATE OF LOUISIANA · UNION · JUSTICE · CONFIDENCE · SECRETARY OF STATE

Certificate ID: 11533538#NJ62

To validate this certificate, visit the following web site, go to **Business Services**, **Search for Louisiana Business Filings**, **Validate a Certificate**, then follow the instructions displayed.
www.sos.la.gov

Page 1 of 1 on 3/1/2022 11:06:52 AM

20. Certifications/Licenses:

TJ Stokes, PE

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

Mr. TJ Beau Stokes

License/Certificate Type - Number: PE.0040079
Expiration Date: 03/31/2024
Status: Active

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

TJ B Stokes
has attended
Traffic Control Supervisor-LA State Specific
Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

American Traffic Safety Services Association ATSSA.com

Andrée F. Cortez, PE, PMP

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

Ms. Andree Fakier Cortez

License/Certificate Type - Number: PE.0031523
Expiration Date: 03/31/2025
Status: Active

Project Management Institute.

THIS IS TO CERTIFY THAT

Andree F. Cortez, P.E.

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)®

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE

Jennifer Tharp | Chair, Board of Directors

Pierre Le Manh | President & CEO

PMP® Number: 2591855

PMP® Original Grant Date: 13 May 2019

PMP® Expiration Date: 13 May 2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Attendance

Local Public Agency Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

Andree Cortez

HAS SATISFACTORILY COMPLETED 5 HOURS OF TRAINING

October 30, 2012
Date

Director of Local Public Agency Program

Houma, Louisiana
Location

ENGINEERING RCEP
REGISTERED CONTINUING EDUCATION PROGRAM

ACEC

ACEC
RCEP Registered Continuing Education Provider

Certificate of Completion

This certificate is presented to

Andree Cortez

for successfully completing

Business of Design Consulting

Number of Professional Development Hours (PDHs) Earned: 22.50
Date: Mar 21, 2015

This certificate attests to attendance and participation in the above titled education activity.

ACEC
1015 15th Street NW
Washington, DC 20005

20. Certifications/Licenses:

Kenny Belou, PE

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

Mr. Kenneth John Belou Jr.

License/Certificate Type - Number: PE.0038850
Expiration Date: 09/30/2024
Status: Active

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kenneth Belou
has attended
Louisiana Traffic Control Supervisor
Training Course

10/18/2023 to 10/18/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

Kelly Radecker, PE

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

Mrs. Kelly B. Radecker

License/Certificate Type - Number: PE.0043919
Expiration Date: 03/31/2024
Status: Active

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

KELLY RADECKER

has participated in

FHWA-NHI-380096 Modern Roundabouts: Intersections Designed for Safety

hosted by

LA DOTD/LTRC

Date: April 11, 2017
Location: Baton Rouge, LA
Hours of Instruction: 6.5

Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kelly Radecker
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

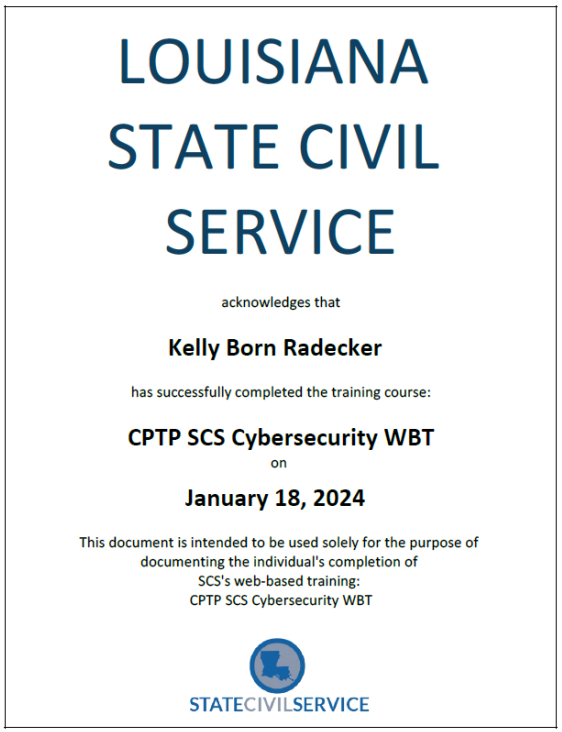
Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Kelly Born Radecker

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

January 18, 2024

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

20. Certifications/Licenses:

Brady Smith, PE

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

Mr. Brady Paul Smith

License/Certificate Type - Number: PE.0045362
Expiration Date: 09/30/2025
Status: Active

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

BRADY SMITH

has participated in

FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers

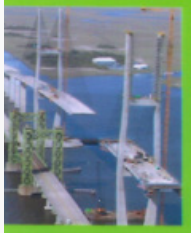
hosted by

LA DOTD/LTRC

Date: October 11-15, 2021
Hours of Instruction: 34
Location: Baton Rouge, LA

Instructor
Local Coordinator
Instructor
Thomas Harman, Director
National Highway Institute

State of Louisiana
Department of Transportation and Development



Brady Smith

has met the requirements for certification as a(n):

Structural Concrete Inspector

02 ND Expiration Date: 3/4/2026

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brady Smith
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/5/2020 to 8/6/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

T. BAKER SMITH
A CENTURY OF SOLUTIONS

LOUISIANA STATE CIVIL SERVICE

acknowledges that

Brady Paul Smith

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

January 22, 2024

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

Justin Loup, EI

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

Mr. Justin Michael Loup

License/Certificate Type - Number: EI.0035451
Expiration Date: 09/30/2025
Status: Active

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Justin Loup
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

20. Certifications/Licenses:

Perry Smith, Jr.

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Perry Smith Jr.
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/24/2022 to 6/24/2026
Training Valid Through

Baton Rouge, LA
Location

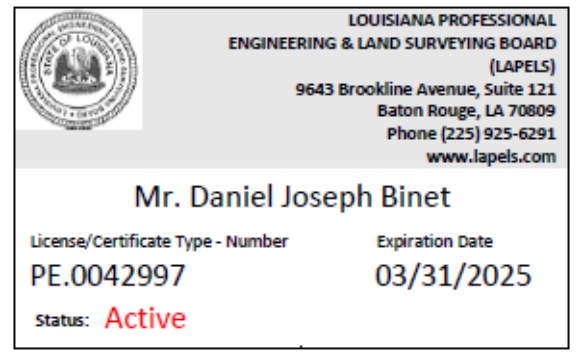
Director of Training

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

American Traffic Safety Services Association ATSSA.com

Daniel Binet, PE



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

Mr. Daniel Joseph Binet

License/Certificate Type - Number: PE.0042997

Expiration Date: 03/31/2025

Status: Active

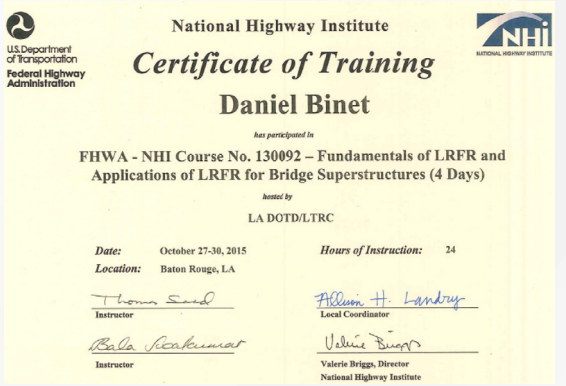
National Highway Institute
Certificate of Training

Daniel Binet

has participated in
NHI Course No. FHWA-NHI-130101
Introduction to Safety Inspection of In-Service Bridges - WEB-BASED
hosted by
National Highway Institute

Location: Web-Based Course
Hours of Instruction: 14 hours
Date: 12/30/2015

Valerie Briggs, Director
National Highway Institute



National Highway Institute
Certificate of Training

Daniel Binet

has participated in
FHWA - NHI Course No. 130092 – Fundamentals of LRFR and Applications of LRFR for Bridge Superstructures (4 Days)
hosted by
LA DOTD/LTRC

Date: October 27-30, 2015
Location: Baton Rouge, LA
Hours of Instruction: 24

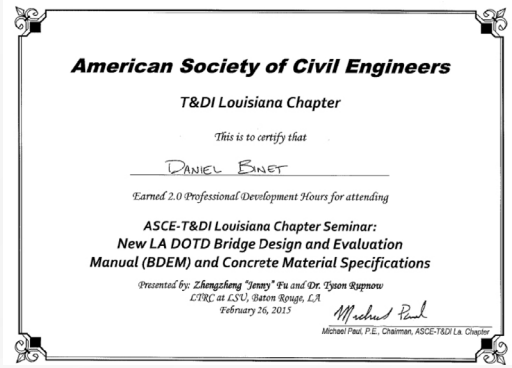
Instructor
Local Coordinator
Instructor
Valerie Briggs, Director
National Highway Institute

Certificate of Attendance

PRESENTED BY
Louisiana Department of Transportation and Development
And
Louisiana Local Technical Assistance Program

TO CERTIFY THAT
Daniel Binet
HAS SATISFACTORILY COMPLETED 4 HOURS OF TRAINING
Bridge Load Rating in Louisiana

Director Local Technical Assistance Program
September 25, 2015
Date
Baton Rouge, Louisiana
Location



American Society of Civil Engineers
T&DI Louisiana Chapter

This is to certify that
Daniel Binet
Earned 2.0 Professional Development Hours for attending
ASCE-T&DI Louisiana Chapter Seminar:
New LA DOTD Bridge Design and Evaluation Manual (BDEM) and Concrete Material Specifications
Presented by: Zhengzheng "Jenny" Fu and Dr. Tyson Rupnow
LTRC at LSU, Baton Rouge, LA
February 26, 2015

Michael Paul, P.E., Chairman, ASCE-T&DI La. Chapter

Certificate of Attendance

Daniel Binet

has participated in
AASHTOWare Bridge Rating Fundamentals Training
hosted by
LA DOTD/LTRC

Date: August 1st-2nd, 2017
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 12

Herman Lee, P.E., PMP
Michael Baker International

Michael S. Pichura, P.E.
Michael Baker International

20. Certifications/Licenses:

Daniel Binet, PE *(continued-)*

National Highway Institute

Certificate of Training

Daniel Binet

has participated in

NHI Course No. FHWA-NHI-130081P

General Superstructure Design Considerations (Web-based)

hosted by

National Highway Institute

Location: Web-Based Course Hours of Instruction: 3 hours

Date: 10/11/2016

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Daniel Binet

has participated in

FHWA-NHI-130081 LRFD for Highway Bridge Superstructures

hosted by

LA DOTD/LTRC

Date: October 17-20, 2016 Hours of Instruction: 25

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Daniel Binet
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

National Highway Institute

Certificate of Training

Daniel Binet

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Louisiana Department of Transportation & Development

Date: January 12-14, 2021 Hours of Instruction: 18

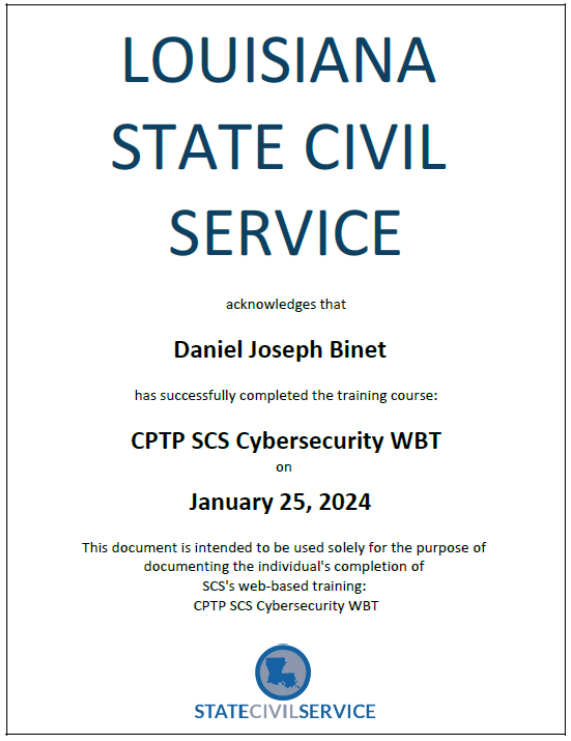
Location: Virtual Delivery, LA

Instructor

Instructor

Allison H. Landry
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Daniel Joseph Binet

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

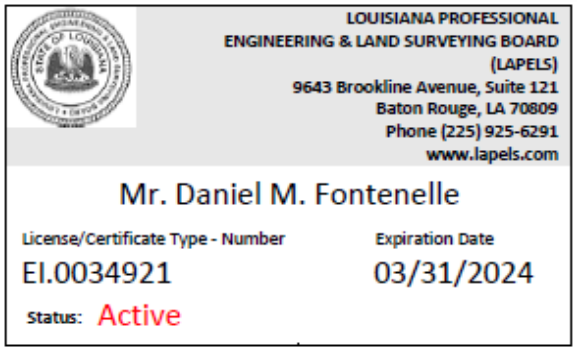
January 25, 2024

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

20. Certifications/Licenses:

Daniel Fontenelle, EI



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

Mr. Daniel M. Fontenelle

License/Certificate Type - Number: EI.0034921
Expiration Date: 03/31/2024
Status: Active

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Daniel Fontenelle
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

Lawrence Toups, PE

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

Mr. Lawrence Phillip Toups IV

License/Certificate Type - Number: PE.0035155
Expiration Date: 03/31/2024
Status: Active

Project Management Institute.

THIS IS TO CERTIFY THAT

Lawrence Phillip Toups IV

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)®

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE

Jennifer Tharp | Chair, Board of Directors

Pierre Le Manh | President & CEO

PMP® Number: 3707231

PMP® Original Grant Date: 21 November 2023

PMP® Expiration Date: 21 November 2026

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Lawrence Toups
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

2/10/2023 to 2/10/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

State of Louisiana
Department of Transportation and Development

Lawrence Toups

has met the requirements for certification as an:

Structural Concrete Inspector

62 ND Expiration Date: 11/4/2024

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Lawrence Toups

has participated in

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

American Council of Engineering Companies of WV

Date: August 18-20, 2015
Location: Charleston, WV

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

20. Certifications/Licenses:

Firm License

Louisiana Professional Engineering and Land Surveying Board

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

Name:	Public Address:
G.E.C., Inc.	8282 Goodwood Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001917	Active	11/15/1994	03/31/2025	Mr. Cary Allen Bourgeois # PE.0023414 ; Mr. Many Marshall Heymann # PE.0035554

20. Certifications/Licenses:

Jerome Lohmann, PE

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

Mr. Jerome Charles Lohmann

License/Certificate Type - Number: PE.0024673
Expiration Date: 09/30/2024
Status: Active


The American Traffic Safety Services Association

Hereby recognizes that

Jerome Lohmann

has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

2/14/2020 to 2/14/2020
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

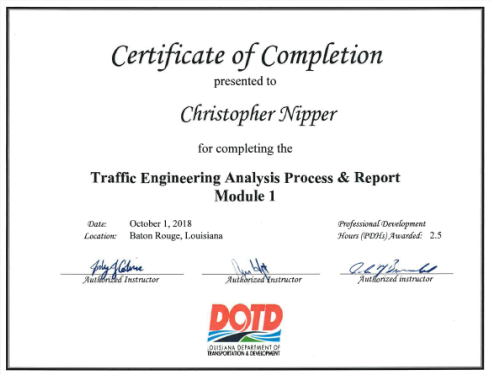
President, CEO

Christopher Nipper, PE

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

Mr. Christopher John Nipper

License/Certificate Type - Number: PE.0043281
Expiration Date: 09/30/2025
Status: Active


Certificate of Completion

presented to

Christopher Nipper

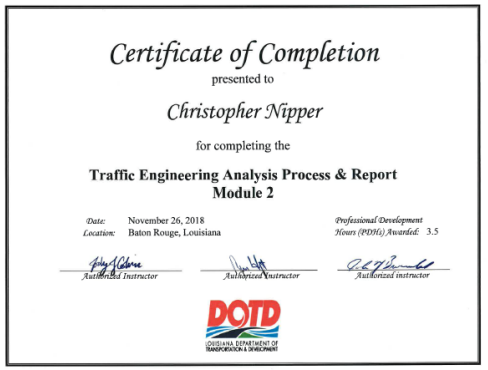
for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 2.5

Authorized Instructor
Authorized Instructor
Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion

presented to

Christopher Nipper

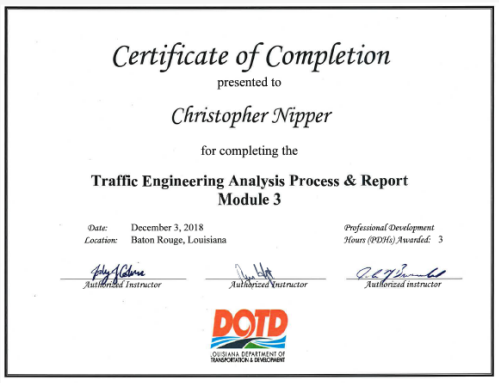
for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3.5

Authorized Instructor
Authorized Instructor
Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion

presented to

Christopher Nipper

for completing the

Traffic Engineering Analysis Process & Report
Module 3

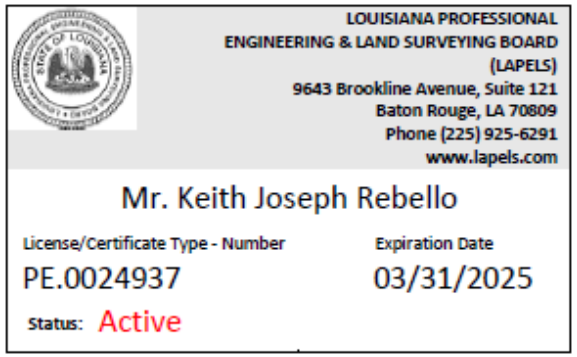
Date: December 3, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor
Authorized Instructor
Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Keith Rebello, PhD, PE



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

Mr. Keith Joseph Rebello

License/Certificate Type - Number: PE.0024937
Expiration Date: 03/31/2025
Status: Active

Varaprasad Venkata, PE

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

Mr. Varaprasad Vnp Ramaraju Venkata

License/Certificate Type - Number: PE.0040594
Expiration Date: 09/30/2024
Status: Active

Sherri LeBas, PE

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

Ms. Sherri Hammond LeBas

License/Certificate Type - Number: PE.0023844
Expiration Date: 03/31/2025
Status: Active

Cary Bourgeois, PE

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

Mr. Cary Allen Bourgeois

License/Certificate Type - Number: PE.0023414
Expiration Date: 09/30/2025
Status: Active

Many Heymann, PE

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

Mr. Many Marshall Heymann

License/Certificate Type - Number: PE.0035554
Expiration Date: 09/30/2024
Status: Active

Rachel Breaux, PE

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

Mrs. Rachel D. Breaux

License/Certificate Type - Number: PE.0046988
Expiration Date: 03/31/2025
Status: Active

20. Certifications/Licenses:

Logan Michel, PE

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

Mr. Logan Paul Michel

License/Certificate Type - Number	Expiration Date
PE.0043970	03/31/2024

Status: Active

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: March 30, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Hector Zuniga, EI

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

Mr. Hector Orlando Zuniga-Lopez

License/Certificate Type - Number	Expiration Date
EI.0033875	03/31/2025

Status: Active

20. Certifications/Licenses:

Firm License

VECTURA

Louisiana Professional Engineering and Land Surveying Board

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

Name:	Public Address:
Vectura Consulting Services, LLC	Ms. Sheelagh Brin Ferlito

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0005825	Active	09/21/2015	03/31/2024	Mrs. Sheelagh Brin Ferlito # PE.0025383

20. Certifications/Licenses:

Louisiana Unified Certification Program

VECTURA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor
Eric Kalivoda, Secretary

June 22, 2023

Vectura Consulting Services, LLC
Attn: Sheelagh Brin Ferlito
PO Box 14269
Baton Rouge, LA 70898

Dear Sheelagh Brin Ferlito,

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (**DBE**) and Small Business Element (**SBE**) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for **only** the following **specific** work categories **that fall under the listed NAICS codes**:

NC488490 – Other Support Activities for Road Transportation
C14-Transportation Planning
C33-Traffic Counting and Data Collection
C74-Construction Management
NC541330-Engineering Services
C09-Engineering Services
C96-Traffic and Transportation Engineering
NC541340-Drafting Services
C43-Computer Assisted Drafting

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of $50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of $10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **June 30, 2024.** However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70802 | 225-379-1200
An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov

Vectura Consulting Services, LLC
June 22, 2023
Page 2

The LADOTD has contracted SJB Group, LLC to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Contact Jackie des Bordes or Kenyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

The Louisiana UCP certifying entity reserves the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,

Rhonda Wallace

Rhonda Wallace
DBE/SBE Programs Manager

Enclosure (Certificate)

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Vectura Consulting Services, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC488490, NC541330, NC541340

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: June 2023 to June 2024

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

20. Certifications/Licenses:

Sheelagh Brin Ferlito, PE, PTOE

VECTURA

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

Mrs. Sheelagh Brin Ferlito

License/Certificate Type - Number: PE.0025383
Expiration Date: 09/30/2025
Status: Active

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Ms. Sheelagh B. Ferlito, P.E., PTOE
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 9/9/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 9/9/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Logan Michel, PE

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

Mr. Logan Paul Michel

License/Certificate Type - Number	Expiration Date
PE.0043970	03/31/2024

Status: Active

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: March 29, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Certificate of Completion
presented to
Logan Michel
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: March 30, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor

Hector Zuniga, EI

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

Mr. Hector Orlando Zuniga-Lopez

License/Certificate Type - Number	Expiration Date
EI.0033875	03/31/2025

Status: Active

20. Certifications/Licenses:

Laurence Lambert, PE, PTOE, PTP

VECTURA

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

Mr. Laurence Lucius Lambert II

License/Certificate Type - Number: PE.0029901
Expiration Date: 03/31/2024
Status: Active

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Mr. Laurence L. Lambert, II, P.E., PTOE, PTP
Vectura Consulting Services, LLC
PO Box 14269
Baton Rouge, LA 70898-4269 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 2/3/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 2/3/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Mr. Laurence L. Lambert, II, P.E., PTOE, PTP
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Transportation Planner** (PTP). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTP you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 11/18/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTP. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTP, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 11/18/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information.
http://www.tpcb.org/PTP/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTP and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to:

certification@tpcb.org.

Thank you for your continued PTP certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Kristen Gahagan Farrington, PE, PTOE, RSP1

VECTURA

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

Mrs. Kristen Gahagan Farrington

License/Certificate Type - Number: PE.0042785
Expiration Date: 03/31/2025
Status: Active

Transportation Professional Certification Board, Inc.

certifies that

Kristen Gahagan Farrington

has met all of the requirements established by the Certification Board to use the title of

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 916 issued in Washington, DC, USA

11/23/2022

Deborah Snyder, Chair — ROAD SAFETY PROFESSIONAL — Jeffrey F. Paniati, Executive Director

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mrs. Kristen Gahagan Farrington, P.E., PTOE, RSP1
4004 Hastings Street
Metairie, LA 70002
USA

Dear Mrs. Farrington,

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/26/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Joseph C. Baliskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 30, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor — Authorized Instructor — Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor — Authorized Instructor — Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 29, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor — Authorized Instructor — Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Reece Rodrigue, PE, PTOE, RSP1

VECTURA

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

Mr. Reece Joseph Rodrigue

License/Certificate Type - Number	Expiration Date
PE.0042074	03/31/2024

Status: Active

Transportation Professional Certification Board, Inc.

certifies that

Reece J. Rodrigue

has met all of the requirements established by the Certification Board to use the title of

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 1018 issued in Washington, DC, USA

3/20/23

Joseph C. Baldwin, Chair — RSP ROAD SAFETY PROFESSIONAL — Jeffrey F. Paniati, Executive Director

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Mr. Reece J. Rodrigue, P.E., PTOE
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 7/17/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 7/17/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor — Authorized Instructor — Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor — Authorized Instructor — Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor — Authorized Instructor — Authorized Instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Bridget Scheyd Robicheaux, PE, PTOE (PT)

VECTURA

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

Ms. Bridget Scheyd Robicheaux

License/Certificate Type - Number	Expiration Date
PE.0041272	03/31/2025

Status: Active

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mrs. Bridget S. Robicheaux, P.E., PTOE
5410 Louis XIV Street
New Orleans, LA 70124
USA

Dear Mrs. Robicheaux,

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/26/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Joseph C. Baiskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 30, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor Authorized Instructor Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 18, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor Authorized Instructor Authorized Instructor
DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC Plan:

PLAN FOR QUALITY ASSURANCE & QUALITY CONTROL OF BRIDGE DESIGN

State Project No. H.015569.5
LA 44: I-10 ROUNDABOUTS
ROUTE: LA 44 & I-10
ASCENSION PARISH

T. Baker Smith, LLC
17927 Old Jefferson Highway
Prairieville, LA 70769

February 7, 2024

_____

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.015569.5 – LA 44: I-10 ROUNDABOUTS** 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.

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

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: H.015569.5 – LA 44: I-10 ROUNDABOUTS
S.P. No.: H.015569.5
Parish: Ascension

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

Road & Bridge Geometrics
Designer: Kelly Radecker, PE
Design Checker: Kenny Belou, PE
Secondary Design Checker: Cary Bourgeois, PE
Detailer: Lisa Osborne
Detail Checker: Brady Smith, PE
Independent Reviewer: TJ Stokes, PE

Bridge Structural Design
Designer: Daniel Binet, PE
Design Checker: Kenny Belou, PE
Secondary Design Checker: Keith Rebello, PhD, PE
Detailer: Daniel Fontenelle, EI
Detail Checker: Brady Smith, PE
Independent Reviewer: TJ Stokes, PE

Construction Support/Shop Drawings *
Shop Drawing Reviewer: Daniel Binet, PE
Review Checker: Kenny Belou, PE
Independent Reviewer: Lawrence Toups, 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

21. QA/QC Plan:

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.

21. QA/QC Plan:

- 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 ɳD, redundancy factor ɳR, and operational importance factor ɳI 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.

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__ **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 _____

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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
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22. Sub-consultant information:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
G.E.C., Inc.	8282 Goodwood Blvd. Baton Rouge, LA 70806	Cary Bourgeois, PE cbourgeois@gecinc.com	(225) 612-4121
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809-9639	Sheelagh Brin Ferlito bferlito@vecturacs.com	(225) 223-6685

23. Location: