LA 44: I-10 ROUNDABOUTS

ROUTE: LA 44 & I-10

STATE PROJECT NO. H.015569.5 | F.A.P. NO. H015569 | ASCENSION PARISH

FEBRUARY 7, 2024

CONTRACT NO. 4400028432

Submitted to:
Louisiana Department of Transportation and Development (DOTD)

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Submitted by:
Forte and Tablada, Inc.

FORTE & TABLADA

SECTIONS 1-11

FORTE & TABLADA

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

1. Contract title as shown in the advertisement	LA 44: I-10 Roundabouts
2. Contract number(s) as shown in the advertisement	Contract No. 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)	Forte and Tablada, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0000330 – Engineering VF.0000055 - Surveying
6. Prime consultant mailing address	Forte and Tablada, Inc. 9107 Interline Avenue Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	Forte and Tablada, Inc. 9107 Interline Avenue Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Russell J. "Joey" Coco, Jr., President/CEO 225-927-9321 jcoco@forteandtablada.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Russell J."Joey" Coco, Jr. – President/CEO (225) 927-9321 jcoco@forteandtablada.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:  _____ Date: 02/07/2024
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(s): — Firm(s)' %: Vectura Consulting Services, LLC — 4% Sustainable Design Solutions, LLC — 4%

SECTIONS 12-15

FORTE & TABLADA

12. Past Performance Evaluation Discipline Table:

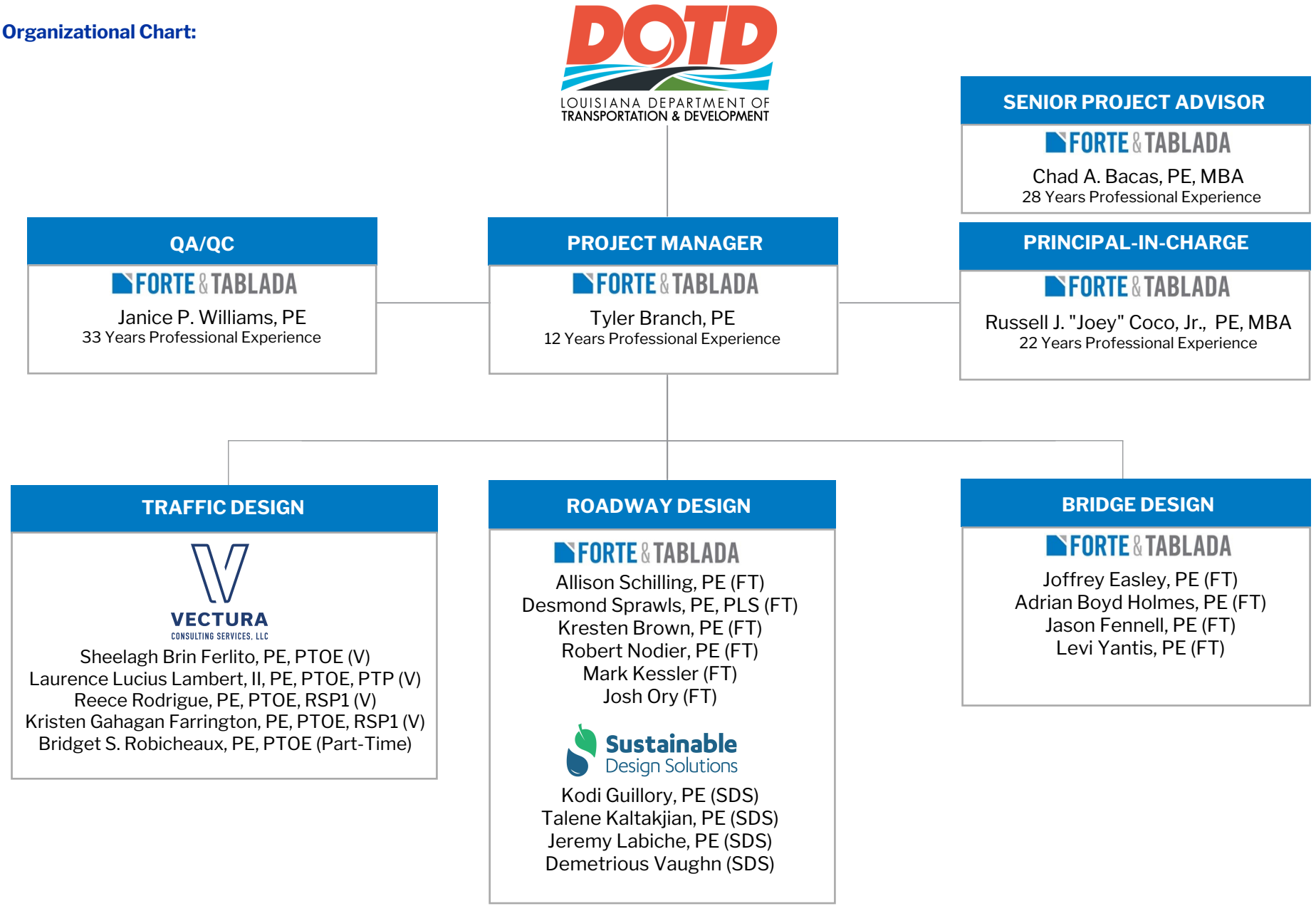
As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

Past Performance Evaluation Discipline(s)	% of Overall Contract	FORTE & TABLADA (Prime)	VECTURA (Sub-Conslutant)	Sustainable Design Solutions (Sub-Conslutant)	Each Discipline must total to 100%
Road	88%	93.0%	2.5%	4.5%	**100%**
Bridge	10%	100.0%	0%	0%	**100%**
Traffic	2%	0%	100%	0%	**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%	92.0%	4%	4%	

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
FORTE & TABLADA	Administrative	0	3
	CADD Technician	2	8
	Engineer	12	16
	Engineer Intern	0	10
	Inspector-Bridge	2	2
	Principal	1	2
	Supervisor - Engineer	9	12
VECTURA CONSULTING SERVICES, LLC	Supervisor - Engineer	2	2
	Engineer	3	3
	Engineer Intern	1	2
	Inspector-Certified	0	2
	Supervisor – Other	0	1
Sustainable Design Solutions	Engineer	2	4
	CADD-Operator	1	1
	Principal	1	1

14. Organizational Chart:



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	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	Russell J. "Joey" Coco, Jr. PE, MBA	FORTE & TABLADA	PE 31337 - Civil	LA	9/30/2024
2	Russell J. "Joey" Coco, Jr. PE. MBA	FORTE & TABLADA	PE 31337 - Civil	LA	9/30/2024
3	Chad A. Bacas P.E., MBA	FORTE & TABLADA	PE 28786 - Civil	LA	9/30/2025
4	Adrian Boyd Holmes, PE	FORTE & TABLADA	PE 27452 - Civil	LA	9/30/2025
5	Joffrey E. Easley, PE, MS	FORTE & TABLADA	PE 31542 - Civil	LA	3/31/2025
6	Sheelagh Brin Ferlito, PE, PTOE Laurence Lambert, PE, PTOE, PTP	VECTURA CONSULTING SERVICES, LLC	PE 25383 - Civil PE 29901 - Civil	LA LA	9/30/2025 3/31/2024

SECTION 16

FORTE & TABLADA

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Russell "Joey" Coco, P.E., MBA**	Years of relevant experience with this employer	18
Title	President/CEO	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	BSCE / 2000 / LSU MBA / 2006 / LSU Coastal Engineering Certificate / 2008 / Old Dominion University		
Active registration number / state / expiration date	31337 / LA / 09/30/2024		
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Principal-in-Charge; Meets MPRs 1 and 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 time specified in the applicable MPR(s).
08/14 – Ongoing	**LA DOTD H.004273.5 – I-49 Connector, Lafayette Parish, LA** – Principal-in-Charge responsible for providing topographic surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed laser scanning services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.
05/13 – Ongoing	**Old Hammond Highway-Segment 1, East Baton Rouge Parish, LA** – Principal-in-Charge for an environmental study and engineering services to design and construct a four-lane boulevard with a raised median and turn lanes and includes several roundabouts. The project will also include traffic signalizations, utility relocations, testing, lighting, landscaping, right-of-ways, and environmental mitigation. This project is part of the Green Light Plan.
03/18-05/22	**LA DOTD Retainer Contract for Off-System Bridge Load Rating, Statewide, LA** – QA/QC review engineer for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 –Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; Task Order 4 – Inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans.
11/19 - 11/20	**LA DOTD S.P. No. H.012083.5- Calcasieu River Bridge Investigation, Calcasieu Parish, LA** - Principal overseeing laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA.
08/19-Ongoing	**H.011670-I-10/Loyola Interchange Improvements, Kenner, LA** – Principal-in-Charge overseeing Topographic Survey, Right-of- Way Survey, and Drainage Survey. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd.
10/18 - 12/18	**LA DOTD 4400010587 - Sunshine Bridge Repair, St. James Parish, LA** - Principal overseeing topographic surveying and terrestrial LIDAR services for the LA DOTD Sunshine Bridge Emergency Repair project following the severe impact of a barge mounted crane with the lowest horizontal bridge chord.
09/17-12/19	**S.P. No. H.011808.5- Palmetto Co. Canal Bridge, St. Landry Parish, LA** - Principal-in-Charge to provide property surveys, title take-offs, and right-of-way map services for the removal and replacement of a timber trestle bridge that spans Bayou Des Glaises, located along La. Hwy. 10 in St. Landry Parish near the town of Palmetto, LA.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Chad A. Bacas, P.E., MBA**	Years of relevant experience with this employer	26
Title	Senior Vice President	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	B.S. / 1995 / Civil Engineering; MBA / 2001		
Active registration number / state / expiration date	28786 / LA / 09/30/2025		
Year registered	2000	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Senior Project Advisor; Meets 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 time specified in the applicable MPR(s).
01/12 – Ongoing	**Cook Road Improvements, Livingston Parish, LA** – Project Manager for Line and Grade Study, topographic surveying, environmental services, Right-of-Way surveying and Right-of-Way plans, design engineering, and construction plan for the proposed construction of a 4-lane boulevard with sidewalks and subsurface drainage for a connection between Juban Road (LA Hwy 1026) and Pete's Highway (LA Hwy 16). The engineering design was completed in January 2022.
05/13 – Ongoing	**Old Hammond Highway-Segment 1, East Baton Rouge Parish, LA** – Project Manager responsible for an environmental study and engineering services to design and construct a four-lane boulevard with a raised median and turn lanes. The study proposed bike lanes on both sides of the roadway and one sidewalk located on the east side of Old Hammond Highway to improve connectivity for cyclists and pedestrians in the area. The project will also include traffic signalizations, utility relocations, testing, lighting, landscaping, right-of-ways, and environmental mitigation.
07/20 – Ongoing	**H.014420 Yellow Jacket Blvd. Improvements, Denham Springs, LA** – Project Lead responsible for overseeing the Stage 0 application, topographic surveying, environmental, engineering design and construction observation for the construction that will include roadway/ shoulder mill and overlay to restore and rehabilitate the deteriorating asphalt pavement. This improvement between LA 16 and LA 1031 (Hatchell Lane) is important to meeting the transportation needs of the local community and facilitate section of roadway which runs between Denham Springs Freshman High School and Denham Springs High School. This project was successful in receiving funding and is starting its design phase..
11/14 –12/21	**H.011825 Buddy Ellis Road and Drainage Improvements, Livingston Parish, LA** – Project Lead responsible for overseeing the Stage 0 application, topographic surveying, environmental, engineering design and construction observation for the construction that will include a bridge replacement, roadway patching, overlay and closed drainage (where necessary) to support higher traffic volumes and lateral support of the pavement.
03/19 - 03/22	**H.013546 Thibodeaux Road and Drainage Improvements, Central, LA** – Project Lead responsible for overseeing the Stage 0 application, topographic surveying, environmental, engineering design and construction observation for the construction that will include roadway patching, overlay and closed drainage (where necessary) to support higher traffic volumes and lateral support of the pavement. These repairs and upgrades are necessary to keep the roadway from deteriorating to the point where it's necessary for complete reconstruction and ultimately costing more to repair. This roadway is a main connection between Frenchtown Road and Morgan Road and serves as an alternate route between Magnolia Beach Road (LA 64) and Central Throughway.
01/03-07/05	**S.P. 015-05-0035 US 165 Tullos, Olla, Tullos, LA** - Project Engineer for the Design and preparation of Preliminary and Final Roadway and Bridge Plans for constructing approximately 1.9 miles of a new rural four-lane divided roadway on Route US 165 between the towns of Tullos and Olla in LaSalle Parish. Project was part of the DOTD TIMED program.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Janice P. Williams, P.E.**	Years of relevant experience with this employer	<1
Title	QA/QC Engineer	Years of relevant experience with other employer(s)	32.5
Degree(s) / Years / Specialization	B.S. / 1985 / Civil Engineering		
Active registration number / state / expiration date	23866 / LA / 03/31/2025		
Year registered	1990	Discipline	Civil Engineering/Environmental Engineering
Contract role(s) / brief description of responsibilities	**Quality Assurance and Quality Control**		

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 time specified in the applicable MPR(s).
03/23- Present	Serves as **QA/QC Engineer** providing thorough and timely reviews of construction plans for conformance with quality standards and applicable guidelines. Provides guidance for plan development to ensure cost-effective, appropriate solutions are employed for engineering challenges. Develops and implements training to improve procedures and expand staff skill set. Provides expertise in development of highway construction plans with a focus on constructability. Advises senior staff on complex transportation issues regarding DOTD and other agencies.
04/14-01/18	**Served as Chief Engineer at LA DOTD.** As the engineering leader of DOTD, Williams provided guidance to a staff of more than 500 engineers, engineering technicians and support staff. She was responsible for establishing the engineering standards, policies, and procedures that guide delivery of projects. In addition, Williams was accountable for the on-time and on-budget delivery of the yearly DOTD Highway Priority Program. Williams focused on delivery of quality plans and invested much of her time in reviewing plans prior to finalization to ensure plans were clear, concise, and correct prior to approving them as final. Williams' vast experience with all types of projects from Mississippi River crossings to off system bridges uniquely qualifies her to perform QA/QC activities.
06/10-03/14	**Served as Chief Project Development Division at LADOTD.** Williams was responsible for directing activities of 275 staff who delivered annual construction program for DOTD with total construction valued over $600 million. Work units within this division included: Real Estate, Location and Survey, Road Design, Bridge Design, Pavement and Geotechnical Design and Project Management Sections. Administered sections which delivered complex designs for various type transportation infrastructure facilities; other design support functions; project management services and right of way acquisition. During her tenure as Project Development Chief, Williams was responsible for successfully directing redesign of the I-49N and I-220 Interchange (H.003495 and H.011111) under a tight deadline to meet funding constraints. Redesign was required after significant constructability issues were identified in regard to the adjacent landfill and timely deliver was paramount to capture the funding.
08/06-06/10	**Served as Chief Systems Engineering Division at LA DOTD.** Administered the Systems Engineering Division of the state's multi modal transportation system in an efficient, cost effective manner. Responsible for activities and production for System Preservation Section; Pavement and Geotechnical Design Section; Systems Engineering Section (Right of Way Permits, Railroad Safety and Rest Area Program); Utility Relocation Section and Truck Permits & Weight Enforcement Police. Exercised highest level administrative supervision over statewide Systems Engineering activities and established policy for the Systems Engineering Division Programs to ensure that uniform procedures and standards were developed and followed. followed.

16. Staff Experience:

Janice P. Williams, P.E. (CONT.)	
10/87-08/06	Williams served as **Program and Project Manager** for Pavement Preservation and Interstate rehabilitation Programs and other various projects. She was responsible for delivering over 1200 projects totaling over $2.3 billion in construction costs. Williams worked as a project manager or subject matter expert on every kind of project in the DOTD program including a Mississippi River crossing, major and minor bridge replacements, interstate interchanges, 4 lane widening, intersection improvements, urban reconstruction, rural 2 lane overlays and many others. Her experience in managing these projects allowed her to develop strong skills in identifying constructability issues and finding workable solutions. She honed her expertise at plan review and quality assurance while managing a large volume and variety of projects. During this time, she also was responsible for development of design details and specifications for pavement preservation. Williams was instrumental in developing LADOTD policies and standards in regard to construction traffic control such as the Temporary Traffic Control standard plans.
06/85-10/87	Williams began her career as an **Engineer Intern** in the Road Design Section at LADOTD. She gained design experience on various types of highway projects including bridge replacement, intersection improvements, and roadway reconstruction with subsurface drainage. Williams also performed reviews of consultant plans for accuracy, conformance to policy and compliance with DOTD standards and guidelines.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Tyler Branch, P.E.**	Years of relevant experience with this employer	12
Title	Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BSCE / 2012 / Civil Engineering		
Active registration number / state / expiration date	41576 / LA / 09/30/2025		
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Manager**		

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 time specified in the applicable MPR(s).
12/22-Ongoing	**H.005734 LA 447: Widening from I-12 to Joe May Rd., Livingston Parish, LA** – Serving as the Project Manager for the preliminary plan design of ±3.0 mile road widening project which includes a bridge replacement over Taylor Bayou, relocations of Miller Rd. And a roundabout at O'Donovan Blvd., and a roundabout at Buddy Ellis Rd. in Walker, LA. Overseeing the design of horizontal and vertical geometry, roadway modeling, drainage, sequence of construction, etc.
10/21-Ongoing	**H.014675 Florida Boulevard Corridor Enhancement, East Baton Rouge Parish, LA** – Served as the lead designer for the ±$60M corridor enhancement project in Baton Rouge, LA, for the MOVEBR program, overseeing the design of pedestrian and bicycle facilities along both sides of the roadway from N. 22nd St. To Airline Hwy., including crosswalk upgrades at all signalized intersections, and the design of subsurface drainage improvements from Acadian Thwy. To Foster Dr.
08/17-12/21	**H.013674 Benton Lane Improvements, Livingston Parish, LA** – Served as the lead designer and Project Manager for the LPA road preservation project in Denham Springs, LA (Livingston Parish), designing the alignments, profiles, geometrics, drainage etc. Served as the Project Engineer for the CE&I services, utilizing the federal/DOTD process.
01/16-01/21	**H.013166 Whittington Road Bridge Replacements, Livingston Parish, LA** – Served as the lead road designer and performed the hydrologic and hydraulic analysis for the Off-System bridge replacement in Livingston Parish.
07/16-Ongoing	**H.013553 Pendarvis Lane Phase I, Livingston Parish, LA** – Served as the Project Manager for the LPA road preservation project in Walker, LA (Livingston Parish). The project included ±0.78 miles of pavement rehab, subsurface drainage, and replacing a major crossdrain with double barrel 9x7 RCB's with non-standard headwall wingwalls. Serving as the Project Engineer for CE&I services, utilizing the federal/DOTD process.
01/15-01/22	**H.012308 Cook Road Improvements, Livingston Parish, LA** - Served as a road designer for new and extended roadway and sidewalks and performed corridor modeling for a proposed 1.802 miles, 4-lane boulevard road extension in Livingston Parish.
01/19-12/19	**New Orleans Lakefront Airport Pavement Preservation, New Orleans, LA** - Served as the lead designer and project engineer for the drainage aspects of the runway overlay project in New Orleans, LA, designing the cross drain and pavement underdrain systems while working in a subconsultant role. Performed the construction observation for the completed design.
01/19-12/19	**BTR Airpark Boulevard Extension, East Baton Rouge Parish, LA** – Served as the lead designer and project engineer for the $2M± road extension project, designing the alignments, profiles, geometrics, grading, drainage etc., and served as the project engineer during the construction phase of the project attending meetings, reviewing and recommending acceptance of pay applications, finding solutions to problems that arose in the field, coordinating dedication of right-of-way. Performed the construction observation for the completed design.

16. Staff Experience:

Tyler Branch, P.E. (CONT.)	
10/19-12/21	**H.013531 Peak Lane Improvements, Livingston Parish, LA** - Served as the lead designer and project engineer for the road preservation project in Walker, LA, designing the alignments, profiles, geometrics, drainage etc. Performed the construction observation for the completed design. This project included CE&I services utilizing the federal/DOTD process.
01/16-12/16	**H.011528 George Mashon Road and Travis Street Bridge Replacements, Livingston Parish, LA** - Served as the road designer and performed the hydrologic and hydraulic analysis for existing timber bridge replacements in Livingston Parish.
01/16-12/16	**Holly Drive Bridge Replacement, St. Tammany Parish, LA** - Served as the road designer and performed the hydrologic and hydraulic analysis for an existing timber bridge replacement in St. Tammany Parish.
01/14-12/14	**Old Hammond Highway (LA 426), Segment 1 Intersection Design Study, East Baton Rouge Parish, LA** - Served as a road designer and performed the horizontal and vertical design for the proposed intersection improvement and performed the hydrologic and hydraulic analysis for an existing timber bridge replacement as part of the Green Light Plan in the City of Baton Rouge.
01/14-12/14	**Walker Sidewalk, Phase III, Livingston Parish, LA** - Served as a designer during preliminary phase of the design, reviewing horizontal and vertical design of the sidewalk and drainage design through LA DOTD in Livingston Parish. Performed the construction observation for the completed design.
01/13-12/13	**H.009769 Rosedale Sidewalk, Iberville Parish, LA** - Served as a designer and project manager during preliminary phase of the design, reviewing horizontal and vertical design of the sidewalk and drainage design for a proposed sidewalk project through LA DOTD in Iberville Parish.
01/14-12/14	**H.002169 Grosse Tete Sidewalk, Iberville Parish, LA** - Served as a designer and project manager during preliminary phase of the design, reviewing horizontal and vertical design of the sidewalk and drainage design for a proposed sidewalk project through LA DOTD in Iberville Parish.
01/14-12/14	**H.009798 City of Central Sidewalks, East Baton Rouge Parish, LA** - Served as a designer during preliminary phase of the design, reviewing horizontal and vertical design of the sidewalk and drainage design through LA DOTD in East Baton Rouge Parish.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Allison Schilling, P.E.**	Years of relevant experience with this employer	7
Title	Project Engineer	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization	BSCE / 1998 / Civil Engineering		
Active registration number / state / expiration date	30265 / LA / 09/30/2024		
Year registered	2002	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
	Career History – Mrs. Schilling has over 45 years engineering experience in civil engineering, program management, project management and administration. She was employed at DOTD for 35 years where she worked 19 years in the Road Design Section in Baton Rouge and approximately 14 years in the DOTD Hammond District. In her tenure with the Hammond District, she was the Program Delivery/Design Engineering before becoming the District Administrator. As Assistant District Design Engineer then Program Delivery/Design Engineer, Mrs. Schilling managed the District Design Office staff in the development of Preservation (Interstate and Non-Interstate), Urban System, Drainage, Safety, Access Management, Transportation Enhancement and TSM projects. Since 2003, she has designed or managed over 230 projects worth over $500 million. She has extensive knowledge of DOTD policies and procedures and project delivery processes. Mrs. Schilling has served on the Louisiana Statewide Transportation Plan Regional Planning Officials Advisory Committee, CRPC Technical Advisory Committee, CRPC Technical Policy Committee and numerous DOTD policy committees including Context Sensitive Solutions, Practical Design, Median Cable Barrier, Rumble Strips, Engineering Automation and Electronic Plans Management.
10/18-05/19	**H.000445.1-1 - US 190 over UPRR and Little Teche Bayou, St. Landry Parish, LA** – Project Engineer for this project that developed a Stage 0 scoping document for the replacement or rehabilitation of the EB and WB US 190 bridges over the Union Pacific Railroad (UPRR) near I-49 and over Little Teche Bayou in St. Landy Parish, LA. Based on the findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed.
07/16-Ongoing	**LA 16 (Pete's Highway) at Cook Rd. Roundabout, Denham Springs, LA** – Review Engineer. Worked as part of the Forte & Tablada team in reviewing the conceptual layout and preliminary design for roundabout at LA 16 and Cook Rd. in Denham Springs, LA. This project is currently under construction.
01/17-01/18	**US 80 at Old Benton Rd. Roundabout, Bossier Parish, LA - City of Bossier City** - Project Engineer. Developed preliminary and final geometric and sequence of construction plans for a roundabout at the intersection of US 80 and Old Benton Road. This roundabout was part of a larger permit project sponsored by the City of Bossier to make improvements to US 80 in Bossier City, LA.
01/10-08/11	**I-12 (LA 1026 - LA 447) Juban to Walker Widening, LADOTD** – Project Manager and Lead Designer. Developed preliminary and final plans to widen I-12 from 4 to 6 lanes. The project included widening the roadway to the inside, installation of cast-in-place median barriers with conduit for future lighting and overlaying the existing interstate travel lanes. The project also included a Level 2 TMP.
01/10-01/12	**Multiple Roundabout Projects, Multiple Sites, LA, LADOTD** – Project Manager and supervised staff in the design of a roundabout at the intersection of US 190 and LA 434 in Bayou Lacombe, LA. Also worked as District Project Manager for the 3 roundabouts at the I-12 and US 51B interchange in Hammond, LA as well as the roundabout at the intersection of LA 1077 and LA 1085 in Madisonville, LA.

16. Staff Experience:

Allison Schilling, P.E. (CONT.)	
01/08-06/09	**LA 3158 (Airport Road at Old Covington Hwy. Roundabout), Hammond, LA - LADOTD** - Project Manager and Lead Designer. Developed preliminary and final plans to construct a roundabout at the all-way stop controlled intersection of LA 3158 (Airport Rd.) and Old Covington Hwy. in Hammond, LA. Led a separate project after construction was complete to add landscaping to provide additional visibility of the roundabout.
01/07-04/09	**LA 1040 (LA 1040 – US 51) Old Baton Rouge Highway Realignment, Hammond, LA - LADOTD** - Project Manager and Lead Designer. Developed preliminary and final plans to realign LA 1040 (Old Baton Rouge Highway) in Hammond to provide greater separation of the signalized US 51/US 190 and US 51/LA1040 intersections. The project included subsurface drainage, utility relocations, and partnering with the City of Hammond to acquire the right-of-way. The existing alignment was transferred to the City of Hammond after the project was complete.
01/06-06/10	**LA 1032 (US 190 – River Road) Realignment of River Road, Denham Springs, LA - LADOTD** - Project Manager and Lead Designer. Developed preliminary and final plans to realign LA 1032 (River Road) in Denham Springs to remove a "jog" in the roadway alignment on US 190. The project involved right-of-way acquisition, special design of a reverse crown at the US 190 intersection to minimize drainage impacts, and right-of-way taking to an adjacent business. It also involved working closely with private homeowners impacted by the realignment and transfer of a portion of River Road to the City of Denham Springs after the construction was complete.
01/05-03/07	**LA 36/LA 59 (Abita Springs Roundabout), LADOTD** - Project Manager and Lead Designer. This was the first roundabout constructed in District 62 and only the second one constructed in Louisiana. Mrs. Schilling developed preliminary and final plans to construct a roundabout at a 5-legged intersection, within the Abita Springs Historic District. The project involved minimizing impacts to the historic district and a local park, realignment of the Tammany Trace, converting a city street to a one-way street, paving of a gravel city street for maintenance of traffic during construction and realigning driveways and a city street to provide adequate distance from the roundabout. The project was used in developing DOTD's Context Sensitive Solutions Policy and won a FHWA award for Context Sensitive Design.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Desmond Sprawls, P.E., P.L.S**	Years of relevant experience with this employer	30
Title	Project Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization	BSCE / 1971 / Civil Engineering		
Active registration number / state / expiration date	15665 / LA / 03/31/2024		
Year registered	1976	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
01/08-12/19	**Highway 80 Improvements, Bossier Parish, LA** – Served as Design Engineer for this urban street improvement project. Project elements include roundabout design, a drainage study, geometric design, pavement widening and coordination of electrical lighting, and traffic signalization.
01/18-01/19	**Hat Creek Acceleration Lane on LA Highway 3, Bossier Parish, LA** – Project Manager for construction drawings for an approximately 1,500 linear feet acceleration lane from the Hat Creek Sand Facility along the west side of Benton Road (LA Highway 3).
01/13-01/14	**Doug Attaway Boulevard Extension Benteler Access, Caddo Bossier Port, Shreveport, LA** - Lead Design Engineer for this paving and drainage improvement project at the Caddo-Bossier Port. Responsible for coordinating construction drawings and specifications.
01/07-01/12	**LA DOTD S.P. No. 713-08-0110 Caplis/Sligo Road at Flat River, Bossier Parish, LA** – Served as Project Manager for this 200-foot long bridge over Flat River. The project includes a detailed hydraulic analysis and improved bridge approach geometrics.
01/06-01/10	**LA DOTD S.P. No.700-14-0111 & 700-31-0117, LA 146 Bridges near Vienna, Sabine Parish, LA** - Assisted in geometric design and provided QC/QA for the construction plans for the bridge roadway approaches at five (5) different locations.
01/05-01/07	**LA DOTD S.P. No. 700-09-0150, Youree Drive: Sand Beach Boulevard (LA 3032), Caddo Parish, LA** - Served as Project Manager for this two-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for roadway widening, preliminary and final construction plans, preparation and preparation of Right-of-Way Maps, as well as QC/QA.
01/04-01/06	**LA DOTD S.P. No. 700-08-0113, Route LA 3105: Airline Drive, Bossier Parish, LA** - Served as Project Manager for this four-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for preliminary, final roadway plans, and signalization plans for widening approx. 1.75 miles in length, bridges, roadway construction plan preparation, and preparation of Right-of-Way Maps, as well as QC/QA.
01/98-01/06	**LA DOTD S.P. No. 700-43-0150, US HWY 171: Zwolle By-Pass, Sabine Parish, LA** – Served as Project Manager for this four-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for bridges, roadway construction plan preparation, and preparation of Right-of-Way Maps, as well as QC/QA.
01/04-01/06	**LA DOTD S.P. No. 700-30-0060, US HWY 167, Union Parish, LA** – Served as Project Manager for the firm's portion of this four-lane divided rural roadway which measured approximately 6.5 miles in length. As a sub consultant we were responsible for geometric design, drainage design, three (3) slab-span bridges design, and preparation of the Right-Of-Way Maps.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Kresten Brown, P.E.**	Years of relevant experience with this employer	12
Title	Project Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BSCE / 2011 / Civil Engineering		
Active registration number / state / expiration date	39998 / LA / 03/31/2024		
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
01/15-Ongoing	**H.012308 Cook Road Improvements, Livingston Parish, LA** - Project Engineer and Manager for Line and Grade Study, topographic surveying, environmental services, Right-of-Way surveying and Right-of-Way plans, design engineering, and construction plan for the proposed construction of a 4-lane boulevard with sidewalks and subsurface drainage for a connection between Juban Road (LA Hwy 1026) and Pete's Highway (LA Hwy 16). Design for improvements was compete January 2022.
09/18- Ongoing	**LA 447 Access Management (I-12 – US 190), Livingston Parish, LA** – Project Engineer for this project that developed a conceptual layout for the City of Walker as an alternative to an outdated DOTD study to remove the center turn lane from the five-lane section throughout this heavily traveled commercial corridor.
10/19-09/21	**City-Wide Drainage Study and Improvements, Walker, LA** – Project Engineer for the study of 3 regions within the City known to have significant drainage issues. The project goal was to identify minor issues that can be addressed by City employees as well as begin designing and planning for larger watershed improvement projects.
01/15-Ongoing	**West Colyell Creek Drainage Improvements, Livingston Parish, LA** – Project Engineer responsible for completing the hydraulic study, preparing bid documents (drawings and specifications), and obtaining all necessary permits to widen and realign the creek. Services will include construction administration services, construction observation, and inspection services for this HMGP funded project.
01/14-01/18	**South Satsuma Bridge Replacement, Livingston Parish, LA** – Project Engineer for engineering design services to replace a 100ft wooden span bridge with 140 foot concrete bridge under the Hazard Mitigation Grant Program with Livingston Parish. The bridge was causing upstream flooding during low frequency rain events and needed to be replaced. Forte and Tablada provided topographic surveying, engineering, and hydraulic analysis services for the HMGP bridge replacement as well as construction management services.
06/11-Ongoing	**Holden Sidewalk Program, Livingston Parish, LA** - Project engineer for new construction and rehabilitation of existing sidewalks along LA Highway 190 and LA Highway 441. Funded by the LaDOTD Enhancement Fund. Provided Engineering for construction plans and specifications for ADA compliant sidewalk additions and improvements. This project included CE&I services utilizing the federal/ DOTD process.
01/13-01/15	**SRTS Northside Sidewalk, Denham Springs, LA** – Denham Springs, LA – Project engineer to implement ADA compliant sidewalks and crosswalks on four streets surrounding Northside Elementary School in Denham Springs. This project included CE&I services utilizing the federal/DOTD process.

16. Staff Experience:

Kresten Brown, P.E. (CONT.)	
09/14-Ongoing	**Forrest Delatte Road Improvements, Livingston Parish, LA** - Project Engineer responsible for construction observation and the Stage 0 services including surveying, environmental, and engineering design for the roadway improvements which include patching, overlay, and closed drainage to support higher traffic volumes and lateral support of the pavement.
01/12-01/18	**Walker Industrial Park, Phases I, II, and III, Walker, LA** - Project Engineer assisting with the road design for the rehabilitation and reconstruction of Walker Industrial Park Road Extension Project. Engineer responsible for design conformity and construction administration of the roadway and utility project to extend the existing industrial park roadway through to US 190 to create the industrial park loop.
01/14-01/17	**Sherwood Forest/Goodwood Boulevard Sewer Pipeline, Baton Rouge, LA** - Project Engineer during the construction administration of the project, which included sidewalks and pipeline replacements. Engineer Intern for the design of preliminary and final plans of approximately 13,500 lf of gravity sewer pipeline replacement, ranging from 10" to 36" and force main sewer lines of approximately 11,000 lf pipeline replacement, 8" to 18" in diameter. In addition, several ADA compliant sidewalks were designed for the site.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Robert Nodier, P.E.**		Years of relevant experience with this employer	4.5
Title	Project Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BSCE / 2019 / Civil Engineering		
Active registration number / state / expiration date		48177 / LA / 03/31/2024		
Year registered	2023	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Project Engineer**		

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 time specified in the applicable MPR(s).
06/19 – Ongoing	**LA 30 (Nicholson Dr.): Brightside-Gourrier, East Baton Rouge Parish, LA** – Served as designer for the roadway and drainage plans for this project, which consists of the removal of ~1.4 miles of 2-lane length of state highway and the construction of a 4-lane concrete roadway with turning lanes as well as pedestrian and drainage improvements. Responsibilities include hydrologic determinations, hydraulic calculations, geometric design, striping design, detour layout, and cost analysis.
06/19 – 02/23	**Pendarvis Lane Improvements (Phase I), City of Walker, Livingston Parish, LA** – Developed plans and specs for the milling and overlay of ~0.8 miles of a 2-lane residential roadway as well as drainage improvements. Responsibilities included hydrologic determinations, hydraulic calculations, superelevation calculations, and cost analysis. Also assisted with construction administration, including right-of-way acquisitions and shop drawing reviews. Reviewed shop drawings and submittals for compliance with plan drawings and specifications.
06/19 – 02/21	**Benton Lane Improvements, City of Denham Springs, Livingston Parish, LA** – Developed plans and specs for the roadway and drainage design for this rehabilitation project consisting of the milling and overlay of ~0.4 miles of a 2-lane residential roadway as well drainage improvements. Responsibilities included hydraulic calculations and cost analysis. Also assisted with construction administration, including shop drawing reviews. Reviewed shop drawings and submittals for compliance with plan drawings and specifications.
10/19 – 04/22	**Sims Road Improvements, Livingston Parish, LA** – Assisted with the roadway and drainage design for this rehabilitation project consisting of the milling and overlay of ~2.9 miles of a 2-lane roadway as well as drainage improvements. Responsibilities included hydrological determinations, hydraulic calculations, and cost analysis. Also assisted with construction administration, including shop drawing reviews. Reviewed shop drawings and submittals for compliance with plan drawings and specifications.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Mark Kessler**	Years of relevant experience with this employer	24
Title	Civil Design Manager	Years of relevant experience with other employer(s)	14
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	**Civil 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 time specified in the applicable MPR(s).
01/12-Ongoing	**H.012308 Cook Road Improvements, Livingston Parish, LA** - Civil Design Manager for improvements to an existing section of two lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges. The roadway design includes a roundabout at the intersection of Cook Road and Pete's Hwy. The design for this project was completed in January 2022.
05/13-Ongoing	**Old Hammond Highway- Segment 1, East Baton Rouge Parish, LA** - Civil Design Manager for an environmental study and engineering services to design and construct a four-lane boulevard with a raised median and turn lanes and includes several Roundabouts. The study proposed bike lanes on both sides of the roadway and one sidewalk located on the east side of Old Hammond Highway to improve connectivity for cyclists and pedestrians in the area. The project also included traffic signalizations, utility relocations, testing, lighting, landscaping, right-of-ways, and environmental mitigation.
10/08-04/20	**Nicholson Drive at Brightside Lane/West Lee Drive Intersection Improvements, East Baton Rouge Parish, LA** - Project Manager for the topographic and property surveys, right-of-way maps, and preliminary design for alignment, grade, and intersection improvements including turn lanes and traffic signals at the intersection of Nicholson Drive at Brightside Lane/Lee Drive. The project is an Urban System project in conjunction with LA DOTD.
11/18- Ongoing	**Nicholson Drive (LA 30) Segment 1 (Brightside Lane/West Lee to Gourrier/Burbank), East Baton Rouge Parish, LA** - Civil Design Manager for comprehensive engineering services for this project which entails the development of preliminary and final plans to widen Nicholson Drive (La Hwy 30) beginning approximately 1100 feet north of the Brightside Lane/West Lee Dr. intersection to approximately 300 feet south of Burbank Dr./Gourrier Avenue intersection. The project will consist of a 4-lane divided roadway with a raised grass median and turn lanes. The project also includes subsurface drainage, curb and gutter and bike and pedestrian paths.
01/17-01/18	**US Highway 80 Roundabout, Bossier City, LA** - Civil Design Manager to complete construction documents for this urban street improvement project. Project elements include roundabout design, a drainage study, geometric design, pavement widening, and coordination of electrical lighting and traffic signalization.
09/19-12/21	**H.011827 Dunn Road Improvements, Livingston Parish, LA** - Civil Design Manager for this project which includes Surveying, Environmental, Engineering Design and Construction observation for the construction that will include patching, overlay and closed drainage (where necessary) to support higher traffic volumes and lateral support of the pavement. This roadway is one of the main connections between LA 1026 and LA 1025.
01/14-Ongoing	**Juban Road Extension, Livingston Parish, LA** - Civil Design Manager for this project to develop Construction Plans for the construction of a roadway for a connection between US Highway 190 and Lockhart Road (LA Highway 1026).

16. Staff Experience:

Mark Kessler (CONT.)	
01/17-01/19	**Nicholson Dr./Ben Hur Road Re-Alignment, East Baton Rouge Parish** - Project Manager responsible for a design study and final construction plans for a modified intersection configuration that includes Nicholson Drive/ LA30 widening and Ben Hur Road realignment. The construction plans included horizontal alignment, vertical profile, and typical sections which meet the LADOTD and Green Light Program design standards. The project included a hydraulic analysis of the existing and proposed drainage throughout the project site, and a storm water system designed to accommodate the calculated runoff for the proposed design.
11/14-12/21	**H.011825 Buddy Ellis Road Improvements, Livingston Parish, LA** - Civil Design Manager responsible for Stage 0 service, topographic surveying, environmental, engineering design and construction observation for this project. Construction will include patching, overlay, widening, subsurface drainage (where required for safety), replacement of existing cross drains (where required), and addition of guardrails and pads to an existing concrete bridge. The existing timber bridge will be replaced with a concrete span bridge and guardrails with pads will be added to improve safety. This roadway is a main route to many residences between LA 1026 (Juban Road) and LA 447 (Walker North Road), as well as an alternate route to I-12.
04/11-01/19	**Wax Road Overlay and Drainage Improvements, Livingston Parish, LA** (System Preservation Project) – Civil Design Manager for the Stage 0 design and evaluation for this project to improve a failed roadway. The project would provide a new thicker base and thicker overlay to support new higher traffic volumes and the southern half would be widened. The project length totaled 1.763 miles. This project was successful in receiving funding.
09/14-Ongoing	**Forrest Delatte Road Improvements, Livingston Parish, LA** - Civil Design Manager for the design plans for improvements to Forrest Delatte Road. Construction will include patching, overlay, widening, subsurface drainage (where required for safety), replacement of existing cross drains (where required), and addition of guardrails and pads to an existing concrete bridge.
01/11-01/14	**Cockerham Drive Improvements, Livingston Parish, LA** - Civil Design Manager for the Preliminary and Final design plans for improvements to Cockerham Road, working with district engineers to develop a safety and enhancement project from LA 16 to Hatchell. Improvements included pavement patching and overlay design, hydraulic analysis for installation of storm drain pipe and catch basins, and design of 4,000' new concrete walkways and drives.
07/10-03/19	**Plantation/Enterprise Road Overlay, Livingston Parish, LA** (System Preservation Project) – Civil Design Manager for the Stage 0 design and evaluation for this project that provided a new wider, thicker base and overlay on the northern half and mill, patch, and overlay for the southern half. The new design would support higher traffic volumes. Urban Systems completed the traffic counts as a subconsultant. This project was initiated due to a failed roadway. The project length totaled 1.781 miles. This project was successful in receiving funding.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Joshua Ory**	Years of relevant experience with this employer	18
Title	Senior Technician	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	AS / 1999 / Drafting and Design		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	**Senior Technician**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Career History - Mr. Ory has brought numerous skills to our firm with experience in civil design and has worked for LA DOTD including construction inspection and observation experience. He's worked to design and observe the construction projects for sanitary sewer systems, wastewater treatment facilities, water wells and State and Local roadways. Mr. Ory is well-versed with State and Federal guidelines for roadway design. He also has civil site work experience including utilities, drainage and site layout.	
2013-2015	**Juban Road Extension, Livingston Parish, LA** – Senior Civil Designer for topographic survey, line and grade plans, wetlands determination and update the environmental Phase I, Right-of-Way survey and maps, prepare corps permit and wetland mitigation, construction plans and construction observation for the construction of a roadway for a connection between US Highway 190 and Lockhart Road (LA Highway 1026).
2013-2020	**H.012308 Cook Road Improvements, Livingston Parish, LA** – Senior Civil Designer for Line and Grade Study, Topographic Surveying, Environmental Services, Right-of-Way surveying and Right-of-Way plans and Abstracting legal work, design engineering, construction engineering and resident project representative Services all for the proposed construction of a 3-lane roadway and subsurface drainage for a connection between Juban Road (LA Hwy 1026) and Pete's Highway (LA Hwy 16).
2019-2024	**Nicholson Drive (LA 30) Intersection Improvements: Gourrier Lane to Brightside Drive, East Baton Rouge Parish, LA** - Senior Civil Designer for this project which entails the development of preliminary and final plans to widen Nicholson Drive (La Hwy 30) beginning approximately 1100 feet north of the Brightside Lane/West Lee Dr. intersection to approximately 300 feet south of Burbank Dr./ Gourrier Avenue intersection. The project will consist of a 4-lane divided roadway with a raised grass median and turn lanes. The project also includes subsurface drainage, curb and gutter and bike and pedestrian paths. The drainage objectives were to provide an open ditch and subsurface stormwater sewer system to handle the calculated stormwater runoff and to provide a hydraulic analysis of existing and proposed cross sections.
2007-2020	**Nicholson Drive at Brightside Lane/West Lee Drive Intersection, East Baton Rouge Parish, LA** – Senior Civil Designer for the Topographic and Property Surveys, Right-of-Way plans, and preliminary design for alignment, grade, and intersection improvements including turn lanes and traffic signals at the intersection of Nicholson Drive at Brightside Lane/Lee Drive. The project is an Urban System project in conjunction with LA DOTD.

16. Staff Experience:

Joshua Ory (CONT.)	
2013-2024	**Old Hammond Highway, East Baton Rouge Parish, LA** – Senior Civil Designer for a Line and Grade study, Topographic Surveying, Environmental Study and Engineering Services to design and construct a four-lane boulevard with a raised median and turn lanes and includes several Roundabouts. The study proposed bike lanes on both sides of the roadway and one sidewalk located on the east side of Old Hammond Highway to improve connectivity for cyclists and pedestrians in the area. The project also included traffic signalizations, utility relocations, testing, lighting, landscaping, right-of-ways along with environmental mitigation.
2017-2020	**Nicholson Dr./Ben Hur Re-alignment, East Baton Rouge Parish, LA** - Senior Civil Designer for involved with the production of the design study and final construction plans for a modified intersection configuration that includes Nicholson Drive/ LA30 widening and Ben Hur Road realignment. The construction plans included horizontal alignment, vertical profile, and typical sections which meet the LADOTD and Green Light Program design standards. The project included a hydraulic analysis of the existing and proposed drainage throughout the project site, and a storm water system designed to accommodate the calculated runoff for the proposed design.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Joffrey E. Easley, P.E., M.S.**		Years of relevant experience with this employer	17
Title	Supervisor Engineer		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BSCE / 2000 / Civil Engineering MSCE / 2003 / Civil Engineering		
Active registration number / state / expiration date		31542 / LA / 03/31/2025		
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Project Manager; Meets MPRs 4 and 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 time specified in the applicable MPR(s).
08/22-10/23	**Tiger Drive Bridge Rehabilitation, Thibodaux, LA** – Project Manager, Inspector, and Design Engineer for the rehabilitation of the cast-in-place concrete slab span bridge over Bayou Lafourche in Thibodaux, Louisiana following a marine vessel collision. Scope of work included inspection, coordination for a full-scale load test performed by others, and development of repair details. Repairs included pile jacketing of the impacted PPC pile and epoxy injection of cracks in the pile bent cap. The bridge has been reopened with no vehicular or marine vessel restrictions.
06/23-Ongoing	**LADOTD Retainer Contract for Bridge Load Rating Services, Statewide, LA** – Project Manager, Load Rating Engineer, and Team Leader for a retainer contract to provide load rating services across the state. Task Order 6 is for the load rating of approximately sixty-five (65) on-system girder bridges that have experienced a condition drop since the last load rating. Bridges vary from small bridges built using LADOTD Standard Plans to complex urban bridges several-thousand feet long. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting.
03/23-Ongoing	**E Lewis St Bridge Evaluation, Lafayette, LA** – Project Manager for the evaluation of the E Lewis St bridge over Mine Coulee adjacent to the University of Louisiana in Lafayette. Initial scope of work included an inspection, data gathering (material testing and 3-D laser scan), and load rating, which allowed for the removal of a 3-ton posting requirement. Additional work includes steel girder strengthening and painting, as well as concrete spall and crack repairs to improve the long-term performance of this crossing.
10/18 - 05/19	**US 190 over UPRR and Little Teche Bayou, St. Landry Parish, LA** – Project Engineer for this project that developed a scoping document for the replacement or rehabilitation of the US 190 bridges over the UPRR tracks near I-49 and over Little Teche Bayou. Based on the findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed.
09/22-Ongoing	**LADOTD Retainer Contract for Bridge Load Rating Services, Statewide, LA** – Project Manager, Load Rating Engineer, and Team Leader for a retainer contract to provide load rating services across the state. Task Order 1 is for the load rating of ninety-five (95) on-system slab span bridges that have experienced a condition drop since the last load rating. Includes inspection (when required) and, if a load posting if required, determination of repair/rehabilitation options to improve/remove the load posting.
01/21-09/21	**LADOTD Retainer Contract for Bridge Preservation, Jefferson Parish, LA** – Project Manager to develop plans for the rehabilitation of the nearly 6-mile long Westbank Expressway in Jefferson Parish, LA.

16. Staff Experience:

Joffrey E. Easley, P.E., M.S. (CONT.)	
03/18-05/22	**LADOTD Retainer Contract for Off-System Bridge Load Rating, Statewide, LA** – Project Manager, Load Rating Engineer, and Team Leader for a retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 – Inspection and load rating of approximately 200 off-system bridges, consisting primarily of slab spans; Task Order 4 – Inspection and load rating of approximately 300 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans; Task Order 5 – Load testing and FE analysis of several bridges that required a posting using standard load rating procedures.
10/15-04/19	**LADOTD Retainer Contract for Bridge Preservation, Atchafalaya Floodway, LA** – Project Manager to provide engineering services for the rehabilitation of multiple bridges along I-10 between Baton Rouge and Lafayette. Bridge types included PPC and steel girder spans, steel grid deck, and slab spans. Scope of work included performing a detailed inspection, documenting deficiencies, and preparing rehabilitation plans for all bridges.
05/16-10/19	**LADOTD Retainer Contract for Complex Bridge Rating, Statewide, LA** – Project Manager and Load Rating Engineer for the inspection and load rating of the US 90 West Middle River steel through-truss bridge near the Louisiana/Mississippi border. Deliverables included a detailed Inspection Report and Load Rating Report.
06/16-04/20	**St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA** – Project Manager to collect all available bridge files from all available resources, including LADOTD and Parish records, for numerous existing slab span, girder, and railcar bridges in St. Tammany Parish and perform inspections and load ratings for the bridges in compliance with FHWA Metric 13.
08/19-02/20	**LADOTD Retainer for In-Depth Bridge Inspections, Simmesport, LA** – Inspection of the LA 1 bridge over the Atchafalaya River approach spans, consisting of steel rolled section spans and steel plate girder spans supported by concrete column bents.
01/14-01/20	**Travis St and George Mashon Rd Bridge Replacements, Livingston Parish, LA** – Design engineer for the replacement of two (2) timber bridges with concrete box culverts (Travis St) and a curved concrete slab span bridge (George Mashon Rd) through the LADOTD off-system bridge replacement program.
12/12-01/22	**H.012308 Cook Road Improvements, Livingston Parish, LA** – Designed and produced plans for two (2) new skewed slab span bridges over Gray's Creek as part of the Cook Road expansion from Pete's Highway to the Juban Crossing development. Bridges include special details to accommodate sidewalks for pedestrian use.
01/16 - 01/21	**Whittington Road Bridge Replacement, Livingston Parish, LA** – Project Manager for the replacement of an existing timber bridge over Grays Creek with a new concrete slab span bridge through the LADOTD off-system bridge replacement program.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Adrian Boyd Holmes, P.E.**	Years of relevant experience with this employer	1.5
Title	Project Engineer	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization	BSCE / 1992 / Civil Engineering		
Active registration number / state / expiration date	27452 / LA / 09/30/2023		
Year registered	1997	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Bridge Engineer; Meets MPRs 4 and 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 time specified in the applicable MPR(s).
01/93 - Present	Boyd has served as Project Manager/Design Engineer on fifty-one (51) Off-System Bridge Projects that included one hundred five (105) bridge sites. Boyd also served as Project Manager/Design Engineer on five (5) bridge replacement projects in East Baton Rouge Parish and eight (8) bridge replacement projects in Ascension Parish.
11/18 - 03/21	**Off-System Highway Bridge Program, LaSalle Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.013093) One (1) Bridge. (2018)
11/18 - 11/20	**Off-System Highway Bridge Program, Morehouse Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.013118) One (1) Bridge. (2018)
11/18 - Present	**Off-System Highway Bridge Program, Ouachita Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.013137) Two (2) Bridges. (2018)
11/20 - Present	**Off-System Highway Bridge Program, Vermilion Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014223) One (1) Bridge. (2020)
11/20 - Present	**Off-System Highway Bridge Program, Rapides Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014261) One (1) Bridge. (2020)
11/20 - Present	**Off-System Highway Bridge Program, East Baton Rouge Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014318) Two (2) Bridges. (2020)
03/14 – 12/17	**Off-System Highway Bridge Program, Natchitoches Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010943) Three (3) Bridges. (2014)
06/15 – 03/18	**Off-System Highway Bridge Program, Avoyelles Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011522) Two (2) Bridges. (2015)
10/15 – 12/17	**Off-System Highway Bridge Program, Acadia Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011541) One (1) Bridge. (2015)
10/15 – 12/17	**Off-System Highway Bridge Program, Iberia Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011542) One (1) Bridge. (2015)

16. Staff Experience:

Adrian Boyd Holmes, P.E.(CONT.)	
10/15 – 08/17	**Off-System Highway Bridge Program, Morehouse Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011532) One (1) Bridge. (2015)
09/15 – 01/18	**Off-System Highway Bridge Program, West Carroll Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011529) Two (2) Bridges. (2015)
06/16 – 03/19	**Off-System Highway Bridge Program, St. Bernard Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.012305) One (1) Bridge. (2016)
06/17 – 12/20	**Off-System Highway Bridge Program, Lafayette Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.012880) One (1) Bridge. (2017)
11/11 – 10/12	**Off-System Highway Bridge Program, Rapides Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.009135) One (1) Bridge. (2011)
01/13 – 08/14	**Off-System Highway Bridge Program, Bossier Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.009945) One (1) Bridge. (2012)
01/13 – 02/16	**Off-System Highway Bridge Program, West Carroll Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.009981) Two (2) Bridges. (2012)
04/13 – 08/15	**Off-System Highway Bridge Program, St. Landry Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010034 & H.010035) Four (4) Bridges. (2013)
06/13 – 08/15	**Off-System Highway Bridge Program, Tangipahoa Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010061 & H.010062) Four (4) Bridges. (2013)
01/14 – 12/17	**Off-System Highway Bridge Program, East Feliciana Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010562) Two (2) Bridges. (2013)
02/14 – 06/17	**Off-System Highway Bridge Program, East Baton Rouge Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010660) Three (3) Bridges. (2013)
12/10 – 07/12	**Off-System Highway Bridge Program, Tensas Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#700-54-0105 (H.005023) One (1) Bridge. (2010)
03/11 – 10/12	**Off-System Highway Bridge Program, Concordia Parish** – Responsibilities included topographic survey, preliminary and final plans, and hydraulic reports. S.P.#700-15-0109 (H.004010.5) One (1) Bridge. (2011)

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Jason Fennell, P.E., M.S.**		Years of relevant experience with this employer	15
Title	Project Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BSCE / 2006 / Civil Engineering MSCE / 2009 / Civil Engineering		
Active registration number / state / expiration date		37237 / LA / 09/30/2024		
Year registered	2012	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Bridge Engineer**		

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 time specified in the applicable MPR(s).
03/14-03/17	**LA DOTD Load Rating and Posting of On- System Bridges, Statewide, LA** - Served as a rating and review engineer for over 200 slab span and girder bridges across Louisiana.
01/18-05/22	**LA DOTD Retainer Contract for Off-System Bridge Load Rating, Statewide, LA** - Retainer contract that includes multiple Task Orders to inspect and load rate off-system bridges and culverts across the state. Task Order 1 – Served as rating and review engineer for 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges; Task Order 2 – Served as rating and review engineer for approximately 200 off-system bridges, consisting primarily of slab spans as well as load ratings for 219 culverts statewide; Task Order 4 – Served as rating and review engineer for approximately 300 off- system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans.
04/11-10/16	**Iberville Parish Off System Bridge Load Ratings and Prioritization, Iberville Parish, LA** – Inspection and load rating of 3 existing slab span bridges so that Iberville Parish would follow FHWA Metric 13, which requires all Off-System bridges to be load rated.
06/16-04/20	**St. Tammany Parish Off-System Bridge Load Rating, St. Tammany Parish, LA** -Project Engineer to collect all available bridge files from all available resources, including LADOTD and Parish records, for 11 bridges in St. Tammany Parish and perform inspections and load ratings for the bridges.
06/12-07/12	**Midway Drive Bridge Rating, East Feliciana Parish, LA** –Served as a rating engineer for load rating of a slab span bridge. Utilized AASHTOWare BrR (formerly Virtis) load rating software.
03/12-07/12	**TV Tower Road Bridge Rating, East Feliciana Parish, LA** – Served as a rating engineer for load rating of a quad beam bridge in East Feliciana Parish. Utilized AASHTOWare BrR (formerly Virtis) load rating software.
05/12-10/12	**Ramah Borrow Pit Bridge Rating, Iberville Parish, LA** – Reviewed the design for a quad-beam bridge and provided load rating utilizing AASHTOWare BrR (formerly Virtis) software.
09/10-06/11	**Interstate 10 Widening, Siegen Lane to Highland Road, Baton Rouge, LA** – Performed independent technical reviews of superstructure and substructure bridge designs along the corridor and analyzed existing structures for construction loading.
03/09-07/10	**Interstate 12 Widening, O'Neal to Range, Baton Rouge, LA** – Performed independent technical reviews of superstructure and substructure bridge designs for overpasses along the corridor.

16. Staff Experience:

Jason Fennell, P.E., M.S. (CONT.)	
02/10-06/11	**Denham Street Bridge at Claiborne Elementary, Baton Rouge, LA** – Designed and prepared plans for a bridge project located adjacent to Claiborne Elementary School. The bridge utilized quad beam prestressed girders.
02/13-11/14	**LRA Bridge Replacements, Livingston Parish, LA** – Designed numerous bridge structures including substructures for ConSpan arch bridges.
01/12-02/12	**Valentine Lake Road Bridge Rating, Rapides Parish, LA** – Served as a rating engineer for load rating of a slab span bridge. Utilized BrR load rating software.
07/12-08/12	**Cooper Lane Bridge, East Feliciana Parish, LA** – Served as a rating engineer for load rating of a slab span bridge. Utilized BrR load rating software.
03/09-10/10	**Lake Pontchartrain and Vicinity South Shore Complex, Jefferson Parish, LA** – Served as a designer for the development of several hundred bridge plans for the widening and extension of the Pontchartrain Causeway Bridge at the south shore.
04/09-11/09	**Centreville Road Bridge Preservation, Centerville, LA** – Served as designer for a slab span bridge bulkhead and approach slab rehabilitation project.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Levi E. Yantis, P.E.**	Years of relevant experience with this employer	10
Title	Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BSCE / 2013 / Civil Engineering		
Active registration number / state / expiration date	42390 / LA / 09/30/2024		
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Bridge Engineer**		

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 time specified in the applicable MPR(s).
09/22-Ongoing	**LA DOTD Retainer Contract for Load Rating Services – Task Order 1, Statewide, LA** – Leading and supervising the load ratings of on-system slab span bridges throughout the state of Louisiana. Team leader for bridge inspections to collect additional deterioration measurements of bridge components.
03/18-04/22	**LA DOTD Retainer Contract for Off-System Bridge Load Rating – Task Order 1, Statewide, LA** – Led and assisted in 12 complex moveable bridge inspections and load ratings throughout the state. The bridge types included a single leaf bascule span, a vertical lift truss span, several steel vertical lift spans, multiple pontoon bridges, a steel plate girder swing bridge, a small steel truss/cable swing span, and a non-moveable steel truss. Task Order 2 – Led and supervised the load ratings of 200 off-system slab span bridges throughout the state of Louisiana. To avoid posting bridges lower than necessary, bridge inspections were done for several bridges that had severe deterioration noted in their inspection reports to collect additional deterioration measurements to accurately determine the bridge member's load carrying capacity. Task Order 5 – Load testing and refined load rating analysis of slab span bridges and culverts that previously received low or closed load postings.
02/22-Ongoing	**Ascension Parish Load Ratings, Ascension Parish, LA** – Team leader for the inspection of Ascension Parish owned bridges. Also serving as the lead load rating engineer for the bridges after inspection.
01/22-03/22	**Mall of Louisiana Boulevard Modified Bent Redesign, East Baton Rouge Parish, LA** – Redesigning a bent cap that had a pile misdriven during PDA. Pile load checks and a modified bent load rating were performed also.
03/21-10/21	**TDOT Complex and Standard Bridge Load Ratings, Statewide, TN** - Oversaw a team of load raters performing 35 AASHTOWare BrR load ratings in 4 months and was responsible for the quality control of the model inputs and outputs, troubleshooting bridge models, and assisting in load ratings. The bridge types load rated using AASHTOWare BrR software were prestressed I-beams and box girders, reinforced concrete multi-cell box bridges, reinforced concrete T-beams, continuous steel plate girders, and steel girder-floorbeam-stringer systems.
01/20-10/21	**LA DOTD Retainer for Complex In-Depth Bridge Inspections, Statewide, LA** – Served as Team Leader for the structural, mechanical and electrical in-depth inspections for multiple movable bridges. Bridge types included vertical lift span bridges and steel swing bridges (through girders and through trusses). Also served as the task manager for preparing the in-depth inspection reports. There was also a task order under this contract to perform emergency repairs on an US 71 Bridge in Shreveport, LA. Led the superstructure design for the emergency repairs.

16. Staff Experience:

Levi E. Yantis, P.E. (CONT.)	
01/20-10/21	**Florida Department of Environmental Protection (FDEP), Palatka Trail Pedestrian Bridge, Elkton, FL** - Served as lead structures designer for a two-span, 210' structure over US-601. The two-span structure includes the design of FIB concrete girders with an intermediate hammerhead pier, pile supported stub abutments and wrap-around MSE retaining walls.
01/20-12/20	**TDOT Complex Bridge Load Ratings, Statewide, TN** – This project was to load rate a total of 41 complex bridges within a short time period to help the State meet a critical FHWA Deadline. Levi was involved in the quality control process of multiple bridge load ratings.
06/16-04/20	**St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA** – Led and assisted in bridge inspections and served as the load rating engineer for bridges throughout the parish of St. Tammany. The bridge types include slab spans, prestressed girder spans, and bridges constructed from retired railroad flatcars.
05/16-10/19	**LA DOTD Retainer Contract for Complex Bridge Rating, Statewide, LA** – Bridge inspector and load rater for a through truss bridge over a branch of the Pearl River. The bridge consisted of 3 pony truss spans and reinforced concrete T-beams and was load rated utilizing AASHTOWare BrR, Leap Bridge Concrete and Mathcad software.
11/18-12/18	**Port of New Orleans, St. Claude Avenue Bridge Permit Load Rating, New Orleans, LA** - Performed a permit load rating for an overload vehicle to safely pass the single bascule span on St. Claude Avenue.
03/14-03/17	**LA DOTD Load Rating of On-System Bridges – Statewide, LA** – Assisted in load rating of approximately 200 existing bridges across the state of Louisiana. Bridges range from slab span bridges on local roads to elevated curved steel interstate bridges in metropolitan areas.
12/17-Ongoing	**Cook Road Expansion, Livingston Parish, LA** – Slab span superstructure and pile bent substructure design. Also assisted in the bridge plan development.
12/13-05/14	**Million Dollar Road Bridge Rating, St. Tammany Parish, LA** – Assisted in the field inspection of the bridge and carried out the structure's substructure load rating.

16. Staff Experience:

Firm employed by	Vectura Consluting 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 / 09/30/2025		
Year registered	1993	Discipline	Civil Engineering
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 time 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** – 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.
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.

16. Staff Experience:

Sheelagh Brin Ferlito, PE, PTOE (CONT.)	
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.
09/13-04/14	**S.P. 700-99-0477 Jefferson Hwy. Signal Design , Baton Rouge, LA** - Brin designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 , Baton Rouge, LA** - Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.

16. Staff Experience:

Firm employed by	Vectura Consluting 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 Engineering; M.S. / 2006 /Transportation; MBA / 2010		
Active registration number / state / expiration date	PE.0029901/ LA / 03/31/2024		
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**TMP 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 time specified in the applicable MPR(s).
02/21 - 03/21	**H.013256.5 I-10 ITS Scott to Lake Charles, Southwest LA** – 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 , Lafayette, LA** - 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 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 MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish** – 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 (CONT.)	
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** - 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 Sites** - 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.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA** - Lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

16. Staff Experience:

Firm employed by	Vectura Consluting Services, LLC		
Name	**Reece Rodrigue, PE, PTOE, RSP1**	Years of relevant experience with this employer	8
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	B.S. / 2013/ Civil Engineering		
Active registration number / state / expiration date	PE.0042074/ LA / 03/31/2024		
Year registered	2017	Discipline	Civil Engineering
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 time 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** – 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.
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.

16. Staff Experience:

Reece Rodrigue, PE, PTOE, RSP1 (CONT.)	
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 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.
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 , District 02, LA** - 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:

Firm employed by	Vectura Consluting 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 / 03/31/2025		
Year registered	2016	Discipline	Civil Engineering
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 time 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.
06/19 - 02/21	**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.

16. Staff Experience:

Kristen Gahagan Farrington, PE, PTOE, RSP1 (CONT.)	
06/19 - 02/21	**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 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 – 06/21	**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 - 03/21	**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.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** - 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:

Firm employed by	Vectura Consluting Services, LLC		
Name	**Bridget Scheyd Robicheaux, PE, PTOE**	Years of relevant experience with this employer	6
Title	Project Traffic Engineer (Part Time)	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 / 03/31/2023		
Year registered	2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews**		

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 time 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 (CONT.)	
06/19 - 02/21	**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	**Judge 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.

16. Staff Experience:

Firm employed by	Sustainable Design Solutions, LLC		
Name	**Kodi Guillory, P.E.**	Years of relevant experience with this employer	5
Title	Principal	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	B.S. / 2005/ Biological Engineering; M.S. / 2007 / Civil Engineering		
Active registration number / state / expiration date	PE.0035951 / LA / 03/31/2025		
Year registered	2011	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
2022-Present	**Terrace Avenue (Highland Road to Perkins Road), Baton Rouge, LA** – Engineer; This MovEBR enhancement project includes various improvements along Terrace Avenue including: widening the road to include a parking lane, sidewalk improvements, and milling & overlay. Ms. Guillory is serving as the project lead for the Green Infrastructure Improvements Plan and the Utility Allocation Plan.
2020	**LA 930 Clearing and Grubbing Project, Ascension Parish, LA** – Project Manager; Mrs. Guillory served as the Engineer in Responsible Charge of the CE&I Contract. Sustainable Design Solutions provided CE&I services for the LA 930: Causey Road to LA 42 Clearing and Grubbing project. The project involved overseeing the clearing and grubbing of the roads in the project limits which involved the removal of all trees and shrubs within the Right-of-Way. Her duties included reconciliation of all quantities, daily coordination, and communication with the Parish, notifying the Contractor when there were deviations from the specifications, verifying if the Contractor had coordinated with the necessary utility companies, verifying if damaged subsurface utilities were repaired to specifications, and verifying if proper traffic control measures were being implemented.
2021-Present	**Jefferson Hwy at Corporate Blvd Intersection Improvements, Baton Rouge, LA** – Engineer; This project is within the MovEBR program and includes improvements to the Jefferson and Corporate intersection in order to meet existing traffic demands. Mrs. Guillory is serving as the lead for the Utility Allocation Plan.
2023	**East Blvd Area ADA Transition Project, Baton Rouge, LA** – QA/QC Lead; As part of the MovEBR program, this project is designated as a corridor and mobility enhancement project with the goal of converting existing pedestrian segments into compliance with ADA regulations. Ms. Guillory is serving as the QA/QC lead. Her role includes QA/QC of all project deliverables including preliminary and final plans as well as cost estimating.
2022-2023	**American Rescue Plan Drainage Program, East Baton Rouge Parish, LA** – Project Manager; The ARP Drainage Program implements maintenance best practices that will restore the capacity of the City-Parish drainage infrastructure system back to its original design and also closes out back-logged service requests. As a Project Manager, Kodi oversaw the preparation of bid documents for storm water infrastructure maintenance of roadside ditches and open channels. She also supported the preparation of the bid documents for over 100,000 LF of open channel clearing. She supported the Environmental Team with managing the packages of supporting figures that were requested by the USACE to receive "No Permit Required" letters.

16. Staff Experience:

Firm employed by	Sustainable Design Solutions, LLC		
Name	**Talene Kaltakjian, P.E.**	Years of relevant experience with this employer	1.5
Title	Engineering Manager	Years of relevant experience with other employer(s)	6.5
Degree(s) / Years / Specialization	B.S. / 2015/ Civil Engineering		
Active registration number / state / expiration date	PE.0044529 / LA / 09/30/2024		
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
2019 – 2020	**LA 73 at Henry Road Intersection Improvements, Ascension Parish, LA** – Project Manager; This project was part of the Move Ascension transportation infrastructure improvements program. Intersection improvements include an asphalt milling & overlay, widening intersection to include turn lanes onto Henry Road, constructing 2' shoulders, and installing subsurface drainage. Talene served as the project manager throughout construction. Her responsibilities included revising the drainage design, assisting with construction contract documents, and construction administration services to ensure proper project completion.
2022	**LA 44 and Parker Road Roundabout, Ascension Parish, LA** –Project Engineer; Talene served as the project engineer in the conceptual stage of the future LA 44 and Parker Road roundabout. She developed a conceptual roundabout design for this intersection, in order to receive grant funding for the project. The intersection improvements will include a 2-lane roundabout, lighting improvements, right-of-way acquisitions and drainage improvements. Duties included conceptual layout design, cost estimating, and developing a scope of work for the project.
2020-2022	**Semper Fi Drive, Gonzales, LA** – Project Manager/Project Engineer; This project consisted of the construction of approximately 1,100 linear feet of new roadway between Veterans Boulevard and S. Commerce Avenue in the City of Gonzales. The roadway was designed to provide connectivity for future commercial development and alleviate traffic congestion on LA Hwy 30. Project included design and construction of a two-lane asphalt roadway with concrete curb & gutter, a 10' shared use path, subsurface drainage and utility relocations. Talene served as the project manager and lead design engineer throughout design and construction. Her responsibilities included roadway design, drainage design.
2021-2022	**St. Francis Parkway Extension, Gonzales, LA** – Project Manager/Project Engineer; Talene served as Engineer in Responsible Charge and project manager for a roadway extension. The roadway was designed to alleviate congestion on LA Hwy 30 and LA Hwy 44. Scope of work includes the following: constructing a 0.50 mile roadway extension with bike lanes, curb and gutter, sidewalks, subsurface drainage and a drainage channel crossing. It also included a transmission pipeline crossing and wetland mitigation, therefore permitting was a major component. Her role included project planning, roadway design, permitting, drainage design, cost estimating, and project management.
2021-2022	**Manchac Acres at Muddy Creek Bridge Replacement, Ascension Parish, LA** – Project Manager /Project Engineer; The existing Muddy Creek crossing on Manchac Acres Road was severely damaged in the May 2021 flash flood event. The crossing had structural deficiencies and was a "choke point" for the drainage conveyance of Muddy Creek. The project included bridge removal, installation of three (3) 10' x 10' box culverts, channel clearing , grading and other drainage improvements. Talene served as the lead project engineer and project manager throughout design/construction. Her tasks included design, construction documents preparation, project specifications, bidding, construction administration services, and project management.

16. Staff Experience:

Firm employed by	Sustainable Design Solutions, LLC		
Name	**Jeremy Labiche, P.E.**	Years of relevant experience with this employer	2
Title	Project Engineer	Years of relevant experience with other employer(s)	3.5
Degree(s) / Years / Specialization	B.S. / 2018/ Civil Engineering		
Active registration number / state / expiration date	PE.0048511/ LA / 03/31/2024		
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Project Engineer**		

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 time specified in the applicable MPR(s).
2022-Present	**Ben Hur CE&I, East Baton Rouge Parish, LA** –Inspector; Inspector for the construction of a new road connecting the existing Ben Hur Road to Nicholson Drive. Scope of work includes the following: asphalt concrete pavement, base course, subsurface drainage, grading and railroad crossing improvements. Role includes resident construction inspection and oversight services necessary to verify that construction activities are performed in conformance with contract documents and City-Parish standards, is accurately documented, and is proceeding in accordance with the approved construction schedule. Daily duties include monitoring and tracking construction progress; inspecting and tracking eligible work and related pay items; observing that work is completed safely; verifying work is performed in accordance with the plans and specifications; confirming work does not adversely affect adjacent areas or property; and assisting the City-Parish in dispute resolution or claims.
2023	**East Blvd Area ADA Transition Project, Baton Rouge, LA** – Engineer; As part of the MovEBR program, this project is designated as a corridor and mobility enhancement project with the goal of converting existing pedestrian segments into compliance with ADA regulations. Mr. Labiche is serving as an Engineer Intern. His role includes performing site assessments, assisting in preparation of project deliverables, and cost estimation.
2022-Present	**American Rescue Plan Drainage Program, East Baton Rouge Parish, LA** – Task Manager; The ARP drainage program implements maintenance best practices that will restore the capacity of the City-Parish drainage infrastructure system back to its original design and also closes out back-logged service requests. As project engineer, Jeremy prepared bid documents and cost estimates for storm water infrastructure maintenance of roadside ditches and open channels. He also performed site assessments of storm water assets for open channels and roadside ditches and developed QA documents associated with the assessment and management of storm water assets. Additionally, he prepared project definition documents to support work orders for the contractors.
2019-2021	**Venture Global Calcasieu Pass LNG, Cameron, LA** – Project Quality Engineer; This project consisted of an environmentally heavy greenfield LNG development. The site included all phases of construction and required a wide array of deep foundation installations. Jeremy's responsibilities included providing contract acceptance and inspection for adherence to specifications on civil works activities for soils, concrete/grout/asphalt, reinforcing steel, precast-pre-stressed driven piles, helical piles, sheet piles and rigid inclusions. Jeremy performed final inspections with the client for specified concrete roadway paving sections and all cast-in-place concrete structures. He also developed condition reports, RFIs and inspection for any variation or disparity from project scope to furnish for the engineer of record and client.

16. Staff Experience:

Firm employed by	Sustainable Design Solutions, LLC		
Name	**Demetrious Vaughn**	Years of relevant experience with this employer	2
Title	CAD Designer/Inspector	Years of relevant experience with other employer(s)	16
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	**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 time specified in the applicable MPR(s).
2022	**ARP Roadside Drainage Repair, Baton Rouge, LA** – Resident Inspector; This project consists of addressing the ditch clearing service requested by the residents of the City of Baton Rouge at various locations. This project aims to maintain efficient routes for storm water drainage. Demetrious' responsibilities included tracking the quantity of ditch cleaned; addressing the concern of residents and routing their complaints to the city stake holders; ensuring the adherence of temporary traffic control protocol at work segments; ensuring proper work site dry clean up takes place at each work location as to prevent sediment infiltration into drainage ditches; and inspecting the slope depth and width of ditches to prevent backflow and stagnation.
2008	**I-310 at Luling Bridge, Luling, LA** – Survey Technician; Demetrious served as a survey technician on this project. He assisted with the field work for the topographic land survey. He was also responsible for processing the field data using Autodesk Land Desktop (previous version of Civil 3d) to produce base maps for the bridge cable replacement.
2007-2008	**Essen Lane & Starling Lane Widening and Sewer Improvements, Baton Rouge, LA** – Survey Technician; Demetrious worked as a survey technician on this project. He performed field work for the topographic land survey. He was also responsible for processing field data using Autodesk Land Desktop to produce base maps for use in the construction documents. Demetrious also developed right-of-way maps for the land acquisition phase.
2006-2007	**Ford Street Expansion (Plank Rd to Mickens Rd), Baton Rouge, LA** – Survey Technician; Demetrious worked as a survey technician on this project. He performed field work for the topographic land survey and was responsible for processing the field data. Demetrious drafted the survey base map and right-of-way maps. He also attended town hall meetings in order to answer homeowners' questions and concerns on the project.
2021-2022	**Regional Walmart Supermarket Site Improvements, Louisiana, Mississippi, Alabama** – Inspector; This project included asphalt and concrete improvements to various Walmart properties in Louisiana, Mississippi and Alabama. Demetrious performed on-site inspections of the existing pavement conditions in order to develop civil site plans. He also attended project and pre-construction meetings and provided inspection services. During construction his duties included performing daily quantity calculations, daily coordination with the testing lab and contractor, daily inspection reports and quality assurance and safety of project site.

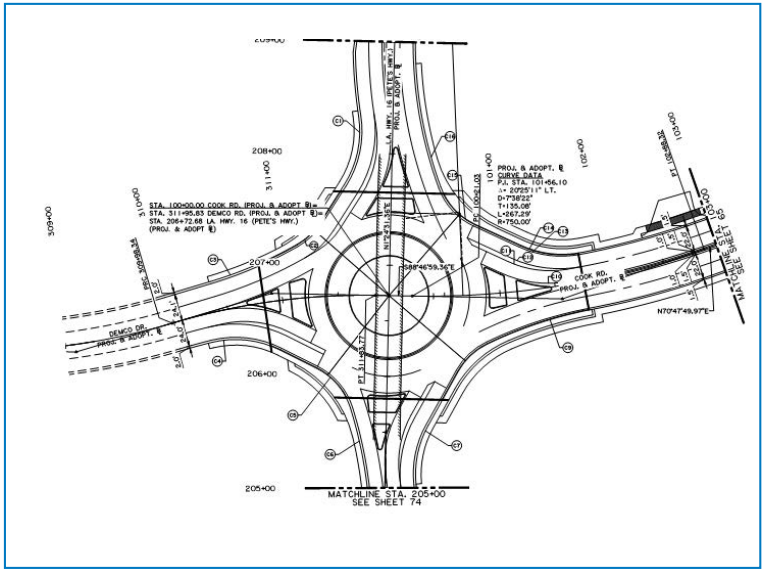
SECTION 17

FORTE & TABLADA

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Road, Survey, Bridge, Environmental
Project name	**Cook Road Improvements**	Firm responsibility (prime or sub?)	Prime
Project number	H.012308	Owner's name	Livingston Parish Council
Project location	Livingston Parish, LA	Owner's Project Manager	Layton Ricks, Parish President
Owner's address, phone, email		P.O. Box 427, Livingston, LA 70754, 225-686-2266; lricks@lpgov.com	
Services commenced by this firm (mm/yy)	01/12	Total consultant contract cost ($1,000's)	$2,833
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,833

Forte and Tablada performed comprehensive engineering and surveying services for this project that designed improvements to an existing section of two-lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges. The project typical section included a grass median (including turn lanes) with lighting and sidewalks on both sides of the road. Due to other projects and anticipated growth in the project area, this project also includes a **multi-lane roundabout** at the intersection of Cook Road and Pete's Hwy. This project included 2 180' long reinforced concrete span bridges. A HEC-RAS hydraulic model was created to evaluate the bridge's performance. A no-rise certificate was also required for this project. The structures were analyzed in accordance with LA DOTD Hydraulics Manual. Services provided for this project include project management, a Line and Grade Study, Topographic Surveying, Environmental Services, Property Surveying, Right-of-Way Mapping, Title Take Offs, Design Engineering, Construction Engineering, and Resident Project Representative Services for the proposed construction. The engineering design was completed January 2022, and construction phase is currently underway.



Project Team:

Chad Bacas, P.E., Project Manager
Allison Schilling, P.E., Project Engineer
Kresten Brown, P.E., Project Engineer
Tyler Branch, P.E., Project Engineer
Mark Kessler, Senior Technician
Joffrey Easley, P.E., -Bridge Designer
Ross Wilson, PLS, Project Surveyor

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Bridge
Project name	**E Lewis St Load Rating and Rehabilitation / Replacement**	Firm responsibility (prime or sub?)	Prime
Project number	S.P. No. H.009859.5	Owner's name	Lafayette Consolidated Government (LCG)
Project location	Statewide, LA	Owner's Project Manager	Alison Lognion, P.E.
Owner's address, phone, email		1515 E University Ave., Lafayette, LA 70501, 337-291-8522, ALognion@LafayetteLA.gov	
Services commenced by this firm (mm/yy)	07/23	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)	$9.1 (to date)

The **E Lewis Street bridge over Mine Coulee** (Recall No. 200286) is adjacent to US 167 (Johnston Street) in Lafayette, Louisiana and serves the University Louisiana at Lafayette (ULL). This is a two-lane bridge with sidewalks and is composed of two slab spans and one steel girder span. A recent load rating (and subsequent load testing) of this bridge by others resulted in a **3-Ton load posting** recommendation. This required significant changes to the commuter bus route for ULL, which resulted in longer commute times.

Forte and Tablada was engaged by LCG to investigate this bridge to determine rehabilitation/replacement options to **increase the load posting** of this bridge. We engaged testing companies to determine the concrete compressive strength and the chemical composition of the steel beams to determine the steel grade. Also, **the bridge was laser scanned** in order to determine precise dimensions and component sizes since plans are not available for this bridge. Using the field-determined properties and the results of the previous load testing, an **updated load rating resulted in a No Posting** recommendation.

Currently, we are working with LCG to develop plans to strengthen the steel girders to improve their long-term performance. We are also determining preservation details (concrete spall repairs, concrete-lined channel improvements, concrete crack injection, etc.) to provide for **years of additional service**.

Project Team:

Joey Coco, Jr., P.E. - Principal-in-Charge
Joffrey Easley, P.E. - Project Manager
Levi Yantis, P.E.

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*	Road, Survey, Bridge
Project name	**US Highway 80 Roundabout**		Firm responsibility (prime or sub?)	Prime
Project number	F&T 10403	Owner's name	City of Bossier City	
Project location	City of Bossier City, LA	Owner's Project Manager	Mark Hudson, P.E.	
Owner's address, phone, email		620 Benton Road, Bossier City, LA, 318-741-8501, hudsonm@bossiercity.org		
Services commenced by this firm (mm/yy)	05/10	Total consultant contract cost ($1,000's)		$300
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)		$300

Forte & Tablada, Inc. was retained by the City of Bossier City to complete construction documents for this urban street improvement project. Project elements include **roundabout design**, a drainage study, geometric design, pavement widening and coordination of electrical lighting and traffic signalization.

Project Team:

Robert Basinger, P.E., P.L.S., Principal-in-Charge
David Leslie, P.E., M.S., Project Manager
Desmond Sprawls, P.E., P.L.S., Project Engineer
Allison Schilling, P.E., Project Engineer
Mark Kessler, Technician
Joshua Ory, Technician

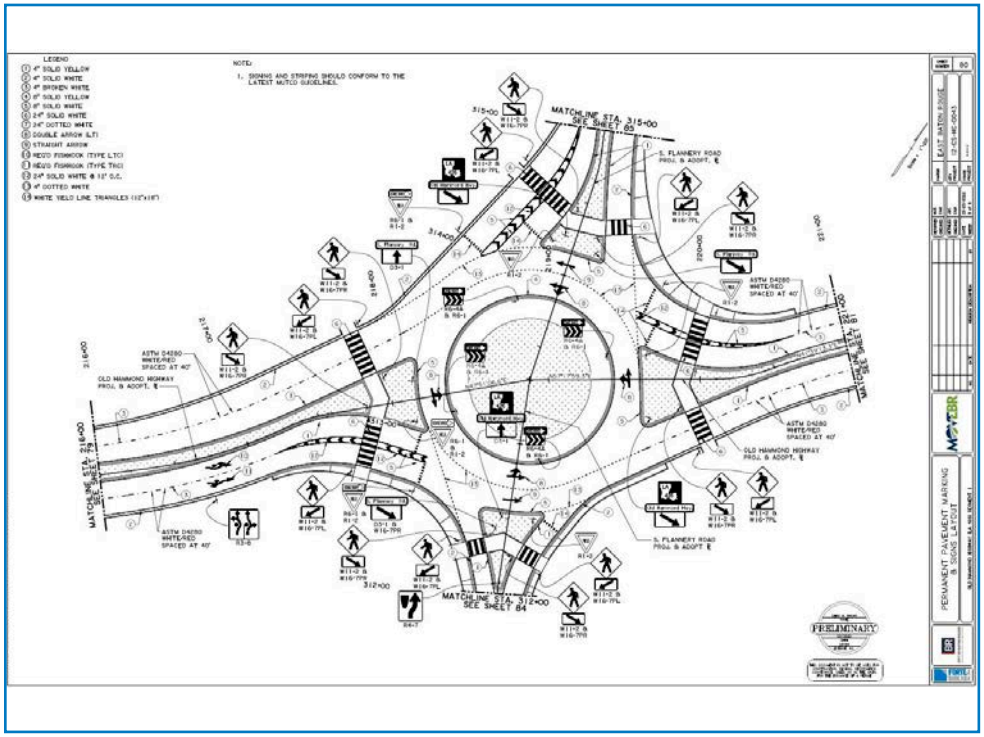
17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*	Road, Survey, Bridge
Project name	**Old Hammond Highway Segment 1**		Firm responsibility (prime or sub?)	Prime
Project number	F&T 12186	Owner's name	MOVEBR	
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Zach Schmidt, P.E.	
Owner's address, phone, email		8555 United Plaza Blvd., Baton Rouge, LA 70809, (225) 831-2224, zach.schmidt@csrsinc.com		
Services commenced by this firm (mm/yy)	05/13	Total consultant contract cost ($1,000's)	$1,115	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,115	

As part of the East Baton Rouge Parish MOVEBR program, Forte and Tablada is responsible for all phases of a **capacity improvement** project on Old Hammond Highway from 1500' west of the S. Flannery Road intersection to Millerville Road. In addition to providing four travel lanes and sidewalks on Old Hammond Highway, this project will include a **roundabout** at the S. Flannery Road intersection and will replace the existing timber bridge on S. Flannery Road. The new bridge will be a concrete slab span bridge with a clear roadway width of 42' and 10' sidewalks on each side of the bridge. Scope of services for this project include Bridge and Roadway Design Studies, Topographic Surveying, Environmental Services, Right-of-Way plans, Hydraulic Studies, Traffic Engineering, Geotechnical Engineering, Lighting Design, and the development of Preliminary and Final Construction Plans.

Project Team:

Chad Bacas, P.E., Project Manager
Allison Schilling, P.E., Project Engineer
Mark Kessler, Civil Design Manager
Joffrey Easley, P.E., Bridge Engineer



Caption XXXXXXXXX

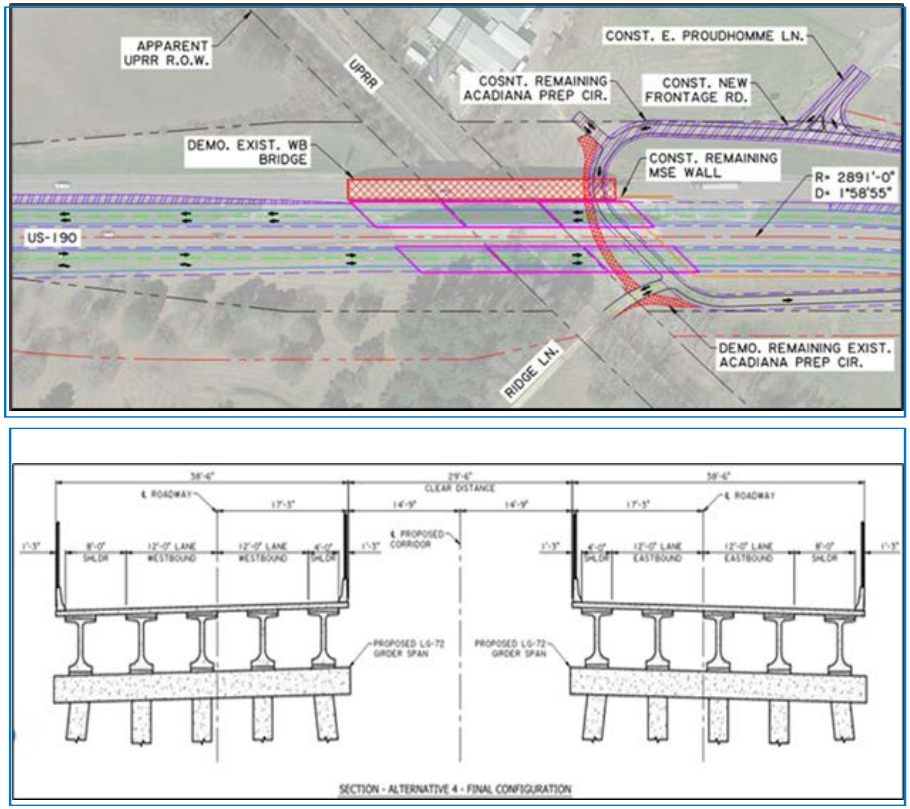
17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Bridge, Road
Project name	**Retainer for Bridge Preservation - US 190 over UPRR and Little Teche Bayou**	Firm responsibility (prime or sub?)	Subconsultant
Project number	F&T 10403	Owner's name	LADOTD c/o HNTB
Project location	St. Landry Parish, LA	Owner's Project Manager	Dusty Bastion, P.E. (HNTB)
Owner's address, phone, email		1000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810, dbastion@HNTB.com	
Services commenced by this firm (mm/yy)	10/18	Total consultant contract cost ($1,000's)	$Unknown
Services completed by this firm (mm/yy)	05/19	Cost of consultant services provided by this firm ($1,000's)	$147.0

Forte and Tablada, Inc., as a sub consultant to HNTB on a Bridge Preservation retainer contract with LADOTD, developed a scoping document for the replacement or rehabilitation of the EB and WB US 190 bridges over the Union Pacific Railroad (UPRR) near I-49 and over Little Teche Bayou in St. Landy Parish, LA. Based on our findings, a Bridge Evaluation Report outlining the feasibility and preliminary cost estimates for several construction phasing alternatives, as well as a recommended scope of work, was developed. Based on the condition (and subsequent load rating) and configuration of the existing bridges, it was determined that both bridges over the railroad tracks, as well as the bridges over Little Teche Bayou, should be replaced with new structures. Due to the UPRR ROW width, a much longer center span (and deeper girders) was needed, which required the roadway profile to be raised significantly to provide the required vertical clearance over the railroad tracks. Also, since US 190 is frequently used as an alternate route for I-10, it was determined that a new horizontal alignment is required to allow for two lanes to remain open in both directions during construction.

Project Team:

Joffrey Easley, P.E. – Project Manager
Allison Shilling, P.E.



Partial Plan View and Typical Section for UPRR crossing

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	LDOTD	
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)		$20,162

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

Members Involved Included in this Proposal:
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	LDOTD	
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)		$82.045

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

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.

Members Involved Included in this Proposal:
Brin Ferlito
Reece Rodrigue
Laurence Lambert
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	LDOTD	
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)		$153,294

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

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.

Members Involved Included in this Proposal:
Brin Ferlito
Reece Rodrigue
Laurence Lambert
Bridget Robicheaux
(100% performed in Louisiana)

17. Firm Experience:

Firm name	Sustainable Design Solutions, LLC		Past Performance Evaluation Discipline(s)*	Road
Project name	**Jefferson Hwy at Corporate Blvd Intersection**		Firm responsibility (prime or sub?)	Sub
Project number	20-EN-HC-0051	Owner's name	East Baton Rouge City-Parish	
Project location	Baton Rouge, LA	Owner's Project Manager	Tom Stephens	
Owner's address, phone, email		222 Saint Louis Street, 8th Floor, Baton Rouge, LA 70802, 225-389-3186, tstephens@brla.gov		
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost ($1,000's)		$500
Services completed by this firm (mm/yy)	TBD	Cost of consultant services provided by this firm ($1,000's)		$40

The Jefferson Hwy at Corporate Blvd Intersection project is a MovEBR capacity project. The goal of this project is to provide additional storage and capacity to the existing congested intersection. Jefferson Hwy is currently a 5-lane highway which intersects with Corporate Blvd, a 4 lane highway. The intersection improvements include lengthening existing right and left turn lanes, widening the intersection, installation of drainage structures, and signing & striping.

Sustainable Design Solutions is responsible for all utility coordination and the Utility Allocation Plan. The intersection will require multiple utilities to be relocated. Sustainable is coordinating with the appropriate utility companies and the roadway designer to ensure utility conflicts are identified prior to finalizing design in order to minimize the number of utilities necessary to be relocated. After the design and Utility Allocation Plan is finalized, Sustainable will confirm that all necessary utilities are relocated before construction of the intersection improvements.

Scope Relevance:

- Safety Improvements
- Drainage Design

Members Involved Included in this Proposal:
Talene Kaltakjian, P.E.
Kodi Guillory, P.E.

17. Firm Experience:

Firm name	Sustainable Design Solutions, LLC	Past Performance Evaluation Discipline(s)*	Other – Sidewalk
Project name	**MovEBR: East Blvd Area ADA Transition Project**	Firm responsibility (prime or sub?)	Prime
Project number	20-EN-HC-0051	Owner's name	East Baton Rouge City-Parish
Project location	Baton Rouge, LA	Owner's Project Manager	Jason Crain, P.E., Sigma Consulting Group
Owner's address, phone, email		10305 Airline Hwy, Baton Rouge, LA 70816, 225-298-0800, jcrain@sigmacg.com	
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost ($1,000's)	$56
Services completed by this firm (mm/yy)	09/23	Cost of consultant services provided by this firm ($1,000's)	$56

The East Blvd Area ADA Transition Project is a project under the MovEBR program and is designated as a corridor and mobility enhancement project. The goal of the project is to convert existing pedestrian segments into compliance with current ADA regulations to ensure civilians can travel to the nearest CATS bus stops safely. The project consists of evaluating the existing conditions of over 1.5 miles of pedestrian facilities, determining what is necessary in order to get the routes into ADA compliance, identifying potential conflicts, designing the improvements accordingly, and performing cost estimation. Improvements include, but are not limited to, adding curb ramps, removal and replacement of sidewalk, installation of cross walk striping, and clearing vegetation.

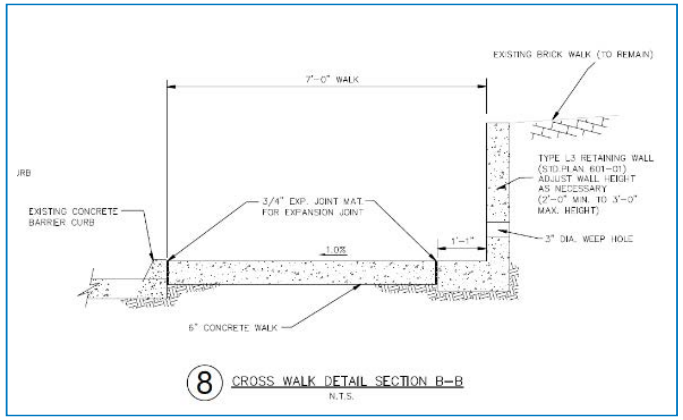
Existing non-compliant sidewalk

Scope Relevance:

- Preliminary & Final Design
- Connectivity & Mobility
- Safety Improvements
- Cost Estimation

Members Involved Included in this Proposal:

Jeremy Labiche, P.E.
Talene Kaltakjian, P.E.
Kodi Guillory, P.E.



Proposed Solution

17. Firm Experience:

Firm name	Sustainable Design Solutions, LLC	Past Performance Evaluation Discipline(s)*	Road
Project name	**Terrace Avenue (Highland Road to Perkins Road)**	Firm responsibility (prime or sub?)	Sub
Project number	20-EN-HC-0045	Owner's name	East Baton Rouge City-Parish
Project location	Baton Rouge, LA	Owner's Project Manager	Tom Stephens
Owner's address, phone, email		222 Saint Louis Street, 8th Floor, Baton Rouge, LA 70802, 225-389-3186, tstephens@brla.gov	
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost ($1,000's)	$600
Services completed by this firm (mm/yy)	TBD	Cost of consultant services provided by this firm ($1,000's)	$80

The Terrace Avenue project is a MovEBR enhancement project that will apply the complete streets design concept to the corridor. The complete streets approach aims to improve roadway safety as well as improve pedestrian usability to improve the quality of life for its users. Project limits begin at Highland Road and end at Perkins Road. Roadway improvements include: widening the road to include a parking lane, widening the sidewalk from 3.5' to 5.0', installation of drainage structures, green infrastructure and milling & overlay.

Sustainable Design Solutions is responsible for the Green Infrastructure Plan as well as all utility coordination and the Utility Allocation Plan. The corridor requires various utilities to be relocated including utility poles, fire hydrants and potentially gas lines. Sustainable is coordinating with all appropriate utility companies, ensuring relocations are complete prior to construction, in order to minimize project delays. Our Green Infrastructure Plan will incorporate items such as curb extensions and porous pavement to ensure the project meets the overall MovEBR program's goals.

Scope Relevance:

- Connectivity & Mobility
- Safety Improvements
- Drainage Deign

Members Involved Included in this Proposal:
Talene Kaltakjian, P.E.
Kodi Guillory, P.E.

SECTION 18

18. Approach and Methodology:

INTRODUCTION

Forte and Tablada (F&T) recently completed a corridor enhancement project that has similar characteristics to this project. The Cook Rd. Extension converted an existing 2-lane roadway in Livingston Parish to a 4-lane divided roadway and extended the 4-lane divided roadway to tie into Juban Crossing Blvd. The project included a roundabout at the intersection of LA 16 and 9-span concrete slab span bridge over Gray's Creek.

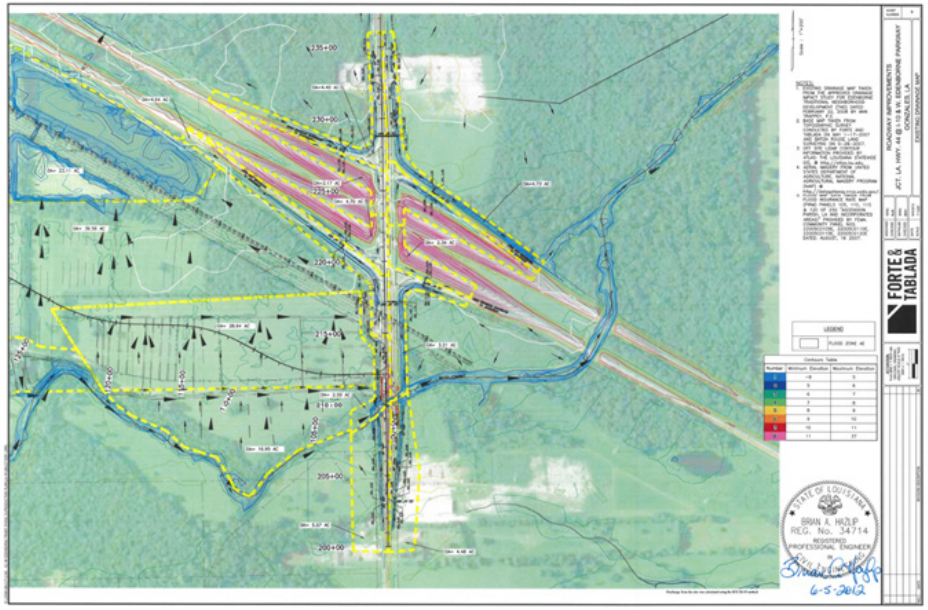
F&T is currently working on three other projects similar to this project. The first, Old Hammond Hwy (LA 426) Seg 1, will convert a segment of 2-lane roadway to a 4-lane divided roadway, add a roundabout at the S Flannery Rd intersection, and a 7-span concrete slab span bridge over Lively Bayou. The plans are 95% complete. The second, Nicholson Hwy (LA 30) Seg 1, will convert a 2-lane roadway to a 4-lane divided highway from Brightside Dr to Gourrier Ave. The final plans for this project are 95% complete. F&T is also working on LA 447: I-12 – Joe May Road to implement multi lane roundabouts at O'Donovan Blvd and Buddy Ellis Rd as well as widening from I-12 south to Buddy Ellis Rd. This project is currently 40% complete.

Our proposed PM for this project, **Tyler Branch, P.E.**, oversees all roadway transportation engineering projects for F&T and served as PM or Designer for the above projects. Our proposed Lead Roadway Design Engineer, **Robert Nodier, P.E.,** served as a critical task lead for Nicholson Segment 1, managing all aspects of the road design. Other team members including **Allison Schilling, P.E.**, retired District 62 Administrator with over 40 years DOTD plan development experience, and **Kresten Brown, P.E.**, critical Task Lead for Cook Rd. including road design, environmental, utility relocations, ROW acquisitions, and legal services, have played major roles in these projects and will be able to utilize this experience to benefit DOTD on this project.

Our Team includes **Sustainable Design Solutions, LLC (SDS) and Vectura Consulting Services, LLC. (Vectura)**. SDS has a proven history of providing planning, engineering, and design services for transportation clients. Their expertise will be utilized to analyze and design roadway drainage and assist with roundabout design for this project. Vectura has unique expertise in providing transportation engineering services and will assist our team by providing transportation solutions for maintenance of traffic, including temporary signals, if needed during construction, roundabout striping and signing details and QA/QC of roadway plans related to traffic.

WORK IN THE CITY OF GONZALES AND ASCENSION PARISH

F&T's previous work in the City of Gonzales has included approximately 2600'+/- of lane widening, the addition of turn lanes, the closure and addition of median crossovers along with signalization along the La. 44 corridor from approximately 400' +/- north of the westbound entrance and exit ramps to approximately 1200' +/- south of the eastbound entrance and exit ramps. Forte and Tablada performed traffic studies, preliminary design of a proposed slip lane behind the transmission tower on the SW corner of the interchange, and analysis of existing drainage patterns in the area as it pertained to the lane widening taken from the approved drainage impact study for the 440-acre Edenbourne Development which was also performed by Forte & Tablada, Inc. Our team members at SDS and Vectura both have experience with projects very similar to this project including the LA 30 roundabouts at I-10 as well as other projects on LA 44 and in the vicinity.



PROJECT UNDERSTANDING

LA 44 is a north-south link running from LA 42 near the Amite River to LA 22 near the Mississippi River. While the northern portion of this route is an urban principal arterial, the classification changes to an urban major collector just south of the interchange with I-10. The limits of this project are from I-10 to West Edenbourne Parkway. LA 44 is a 4-lane portland cement concrete roadway through the interchange with I-10 which transitions to a 2-lane asphalt roadway at the intersection of Pan Am Road south of Conway Bayou. Two concrete slab span bridges over Conway Bayou are located at the southern leg of the LA 44 and West Edenbourne Pkwy intersection. The DOTD website indicates LA 44 had an AADT of 13,686 vpd in 2022, and a posted speed limit of 55 mph. Also of note is that the limits of this project are within the Gonzales City limits. West Edenbourne Parkway is the main access point for the Gonzales Campus of the River Parishes Community College. LA 44 also provides connection to the Louisiana Regional Airport via the intersection with Loosemore Road approximately 3/4miles south of this project. This project will replace the currently signalized intersections on each side of the I-10 interchange and West Edenbourne Pkwy with multi-lane roundabouts. The project will also evaluate the stream crossing of LA 44 over Conway Bayou and make recommendations on the feasibility of widening or replacing the existing bridge structures.

18. Approach and Methodology:

DESIGN CHALLENGES & OPPORTUNITIES

The challenges and opportunities below are specific examples of issues that we believe will need further consideration as the roadway design progresses.

Existing Flooding Issues Along the Corridor

Downstream Conway Bayou North of Interstate 10 has experienced significant silting in recent years resulting in rising static water surface elevations approximately 3 feet along Conway Bayou and its tributaries and upstream flooding. F&T's team including SDS has the expertise to analyze this issue and ensure it is not compounded by this project and improve it, if possible, within the project scope.

Increased Traffic Demand And Continued Development in The Area

The roundabout analysis for this project was begun in 2015 and completed in 2018. Since that time, several planned developments in that document have been completed as well as additional developments are in progress and being planned. Due to increased development in this area, we would recommend that new data be collected to better estimate the impacts that construction could have to existing traffic. The F&T team is ready to assist DOTD with traffic data collection if needed to facilitate this project. Multiple potential traffic generating projects are being discussed near the interchange. The NE Corner of the Interchange has a nearly 90-acre potential of becoming a light industrial and commercial business development. The SW Corner of the Interchange has been under consideration for a potential truck stop, which if approved would be the only truck stop located along the I-10 corridor between the Mississippi River Bridge in Baton Rouge and Laplace, LA.

Maintenance of Traffic (MOT) During Construction

As a significant north-south connection for Gonzales and Ascension Parish and as the state highway providing connection from I-10 to the industrial corridor along the Mississippi River, it is imperative that existing traffic be maintained during construction. Our team member, Vectura, is prepared to provide traffic engineering solutions to minimize delay and keep traffic flowing during all phases of construction. Along with preparing the required TMP and specifying the appropriate TTC Details, Vectura will coordinate with our road/bridge designers on the work zone impacts to minimize risk and delays to the traveling public.

Bridge Widening Versus Replacement

F&T has an experienced bridge team who have extensive experience in the evaluation of existing bridges in accordance with the DOTD Design Policy for Bridge Rehabilitation/Repair Projects as stated in the Bridge Design and Evaluation Manual (BDEM). Our team includes certified bridge inspectors, load rating engineers, and designers, which makes us uniquely qualified to provide a Bridge Evaluation Report with recommendations as to whether the existing bridges should be rehabilitated/widened or replaced. Our report will include sections on configuration, maintenance and repair records, field investigation findings, load rating results, rehabilitation/widening scope, replacement alternatives, and a summary of the evaluation results and recommendations. Consideration of the existing condition in addition to the proposed geometry will be paramount to determining the recommended solution.

Minimizing Utility Impacts

There is a major electric transmission line that runs parallel to I-10 on the south side between the interstate and Edenbourne Pkwy. including a large tower in close proximity to the SB travel lane between the EB exit ramp and the Edenbourne Pkwy intersection. There is an opportunity to shift LA 44 away from this transmission tower by moving the Edenbourne Parkway roundabout slightly east during the design phase. F&T has previously developed preliminary plans for a slip ramp in this location. Our experienced engineers are familiar with this utility challenge and well prepared to address it under this project. Additionally, State project H.010909 just south of this project on LA 44 has been significantly delayed due to utility relocations. F&T has experience with complex utility challenges and is prepared to evaluate all available solutions to minimize cost and delays during construction. For example, we participate in the Livingston Parish Utility coordination meetings, with one of our staff engineers serving as the chair. Our staff voluntarily meets monthly to discuss projects, ongoing issues, and to improve our utility partner relationships. F&T also has significant experience coordinating with various pipeline companies with success in obtaining Letters of No Objection for crossing their lines.

Edenbourne intersection and bridge over Conway Bayou

The bridges over Conway Bayou on LA 44 are in close proximity to the Edenbourne intersection with the SB approach slab beginning almost where the southern radius ties to LA 44. There is an opportunity to shift the proposed roundabout at Edenbourne Pkwy north which could provide adequate distance between the roundabout and the bridge to develop the reverse curvature needed to slow NB vehicles entering the roundabout without impacting the existing bridge finished grade.

Safety Improvements

LA 44 has been identified as a route with a High Potential for Safety Improvements due to the crash history along this corridor. We have reviewed the DOTD Crash Data from 2012 to 2021 for the project. There were approximately 291 crashes reported within this period. The number of crashes reported per year appears to have doubled since 2012, with approximately 20 crashes reported in 2012 and 41 crashes reported in 2021. This review of the crash data indicated that there were no apparent trends regarding the crash severity from year to year; however, the number of PDO crashes per year did appear to significantly increase after 2018. F &T has the expertise to identify and incorporate potential safety features as may be appropriate within the scope for this project. Although the roundabouts are expected to have a significant impact and provide increased safety along this corridor, our team is prepared to explore additional safety features that may also be appropriate for inclusion within this project's scope.

18. Approach and Methodology:

THE DESIGN PROCESS

Road Design and Plan Development

Kickoff Meeting: F&T will prepare a project management plan (PMP) including the project scope, preliminary schedule, pre-design report, anticipated project delivery milestones and project risk and communication plan. We will then work with the DOTD PM to schedule the kickoff meeting where we can discuss the PMP, set expectations for a smooth delivery process and request all existing information for the project, such as the existing survey files, traffic studies, SUE data and as built plans.

Topo Survey

F&T is qualified to perform additional survey if required.

Preliminary Plan Development

For **30% preliminary plans**, we will deliver the preliminary title sheet, typical sections, and existing plan/profile (PP) sheets. We will also begin alignment and drainage design and preliminary DTM development. For **60% preliminary plans**, we will deliver updated PP, drainage, and cross section sheets, and the preliminary hydraulic report. The **90% preliminary plans** for use in the Plan-In-Hand meeting will incorporate comments received from previous reviews, and include a list of potential pay items, suggested sequence of construction, reference points and TBM, geometric detail sheets, and preliminary QA/QC documentation. We will coordinate with the DOTD PM to schedule the PIH meeting. This meeting is an ideal time for local and district input on the overall design and sequence of construction for the project and ensures that the final design aligns with their needs and preferences. Our **100% preliminary plan** submittal will address all PIH comments and include any necessary permit drawings and any relevant design exception/waiver requests.

Final Plan Development

Per the RFQ, the final plans will be initiated by supplemental agreement, if necessary, after the issuance of a FONSI on the EA. If the project does continue into final plans, upon receipt of the NTP, our team will redistribute the PMP information and coordinate with the DOTD PM to update as necessary to maintain clarity of expectations as the project progresses to final plans. **60% final plans** will include property survey and ROW maps if requested, final hydraulic report, summary tables and signing/striping plans. Our team will participate in the Joint Plan Review Meeting as required. 9**5% final plans** will include a complete set of all plan sheets as well as QA/QC and Constructability forms and the design report. For **98% final plans**, we will submit the completed set of construction plans as well as any special provisions and the final cost estimate. Upon approval from the PM, we will submit signed and sealed final plans, including all final stamped reports, calculations, and any additional specifications, if any are required.

Structural Engineering - LA 44 Bridge Design

Based on the evaluation of the existing bridges and geometric constraints, this project also includes rehabilitating/widening or replacing the existing nearly fifty-year-old slab span bridges crossing Conway Bayou. Whether replaced or widened, the design will be in accordance with current AASHTO LRFD Bridge Design Specifications and DOTD BDEM and BDTM requirements. The lead designer for the bridge, **Joffrey Easley, P.E.** has over 20 years of experience designing bridges for DOTD and has been the Bridge Engineer on over twenty bridge replacement projects, as well as multiple bridge widening and rehabilitation projects, across Louisiana. He is also a certified bridge inspector and has load rated hundreds of slab span bridges across the state, so he has a unique understanding of the important design considerations when rehabilitating/widening or replacing slab span bridges.

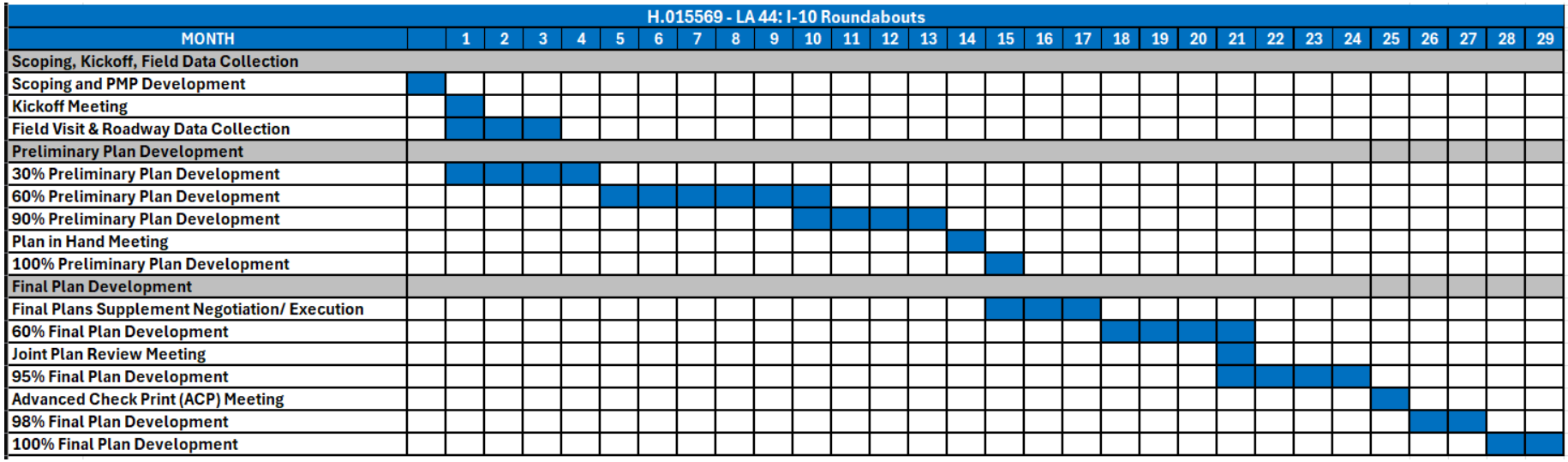
18. Approach and Methodology:

Schedule

The RFQ lists the total contract time as 2.5 years. We assume this is meant to cover the project schedule after DOTD provides the survey and other required data, as well as considering the projected environmental clearance process. As such, the schedule below represents a period inclusive of only preliminary and final plan development. As noted, Final Plans will be entered into as authorized by DOTD.

Advertisement and Letting

Once sealed and dated final plans and cost estimates have been delivered and the project advertised by DOTD, the F&T team will stand ready to address any Falcon questions that arise during the advertisement. After bids are received, our team will review construction bids for any irregularities and verify that bid costs are within the allowable range for cost overrun or underrun and submit their recommendation to the PM to accept or reject the bid.



CAD Software and Electronic Deliverable

Our staff is highly experienced with the DOTD Electronic Deliverable Standards including the use of Microstation, InRoads, CADconform and ProjectWise and has detailed knowledge of DOTD plan development processes and procedures. F&T surveyors and roadway designers have been fully trained in the use of OpenRoads Designer (ORD) and are using this software where feasible. We understand this software is not fully supported by DOTD at this time but stand ready to transition to the use of this software should DOTD move in that direction.

Quality Assurance/Quality Control Process

F&T has a detailed Quality Assurance/Quality Control process that will be used throughout the plan development process to prevent costly mistakes and ensure accuracy, constructability, applicability, completeness and conformity to policies and procedures. Our experienced staff will use this process to review all construction plans, cost estimates, special provisions, and other deliverables as needed to construct the project. The F&T Project Manager (PM) will be responsible for Quality Assurance. The PM will determine the level and complexity of the Quality Control process, and assign the Design Engineer, Checker, and Technician. The PM or QA/QC Manager will confirm the Quality Control process by reviewing the plans for constructability, applicability, completeness, and conformity. During the development of the plans, internal reviews will be held prior to all submittals to DOTD for review. This includes 30%, 60%, 90% and 100% Preliminary Plans and 60%, 95%, 98% and 100% Final Plans or as specified by the DOTD PM.

Construction Support

A quick response to RFI's from the field during construction is vital to ensuring that delays and cost overruns are avoided whenever possible. F&T's experienced team will be available throughout the construction phase of the projects to address any issues that may arise. Our team has the experience and ability to analyze and resolve issues quickly so the efficient contract administration of the projects can be maintained.

Adaptability and Dependability

F&T has assembled a quality team that has the depth of experience and flexibility to meet the challenges of this contract. We have proven our ability to adapt to changes in priority and adjust to meet the needs of our clients. For example: We understand that there are pitfalls which can derail a project or add complications even under the best laid plans. DOTD can count on the F&T team to deliver quality plans on every assignment for this contract despite whatever challenges might be found along the way.

SECTIONS 19-23

FORTE & TABLADA

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**
FORTE & TABLADA	Road, Bridge	4400024641/H.005734.5	LA 447 Corridor Improvements	$429,984
	Bridge, Survey	4400021594/H.011965.6	LA 47:IWGO Bridge Rehab	$53,871
	Bridge	4400021594/H.009859.5	Load Rating Retainer - Load Rate Statewide Bridges	$401,873
	Bridge	4400021594/H.000303.6	Load Rating Retainer - Danziger Bridge Rehab	$89,367
	Bridge	4400021594/H.009730.5	Load Rating Retainer - T-1 Steel Weld Inspections	$15,336
	Bridge	4400021594/H.015228.5	Load Rating Retainer - LA 70: Sunshine Bridge	$140,949
	Bridge	4400021594/H.009859.5	Load Rate Selected Bridges	$3,698,957
	Bridge	4400021594/H.009730.5	In Depth Bridge Inspections	$860,692
	Bridge	4400021594/H.009730.5	In Depth Bridge Inspection	$1,348,641
	Bridge, Survey	4400019554/H.014261	Off-System Highway Bridge Program, Rapides Parish	$3,137
	Bridge, Survey	4400024588/H.014989.5	OSBR Neff Lane over Wind Creek	$10,706
	Bridge, Survey	4400024589/H.014990.5	OSBR South Tiger Bend Road and East Achord Road Bridges	$73,124
	Survey	4400021532/H.011684.5	LA 327 Spur: Staring Lane Extension Route LA 327-S	$50,279
	Survey	4400021974/H.002186.5	UP (Plaquemine)	$90,304
	Survey	4400021532/H.012563.5	LA 73 Bayou Manchac Bridge	$18,849
	Survey	4400023101/H.015047.1	Three Mile Lake Flood LWI (Prime is Michael Baker, Inc.)	$5,573
	Survey	4400004128/H.004273.5	I-49 Connector Lafayette (Prime is Stantec)	$130,605
	Survey	4400021974/H.014128.5	US 190: UPASS US 61-Livingston P/L	$106,306
	Survey	4400021532/H.010116.5	LA 1088: Soult and Trinity Roundabouts	$49,174
	Survey	4400021532/H.012059.5	ILA 19: Bridges near Zachary	$53,624
	Survey	4400021532/H.004100.5	I-10: LA 415 to Essen on I-10 and I-12	$106,417
	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	$224,164
VECTURA CONSULTING SERVICES, LLC	Traffic	4400017293/H.010616	I-20: LA 544 Overpass Replacement	$74,429
	Traffic	4400005484/H.005168.2	New Orleans Rail Gateway Avondale EA	$92,995
	CE&I/OV	4400020018/H.007160	EBR Computerized Traffic Signal, Ph VB	$33,910
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740

19. Workload:

VECTURA CONSULTING SERVICES, LLC	Traffic	4400021519/H.012030.5	KCS RR Overpasses HBI	$572
	Traffic	4400023075/H.013522	S. Lewis Street Widening	$7,499
	ITS	4400016364/H.015136.4	Northshore Regional ITS Architecture Update	$11,421
	ITS	4400017922/H.012845.1	C/AV Team and Working Group Support	$13,949
	ITS	44000020058/H.011507.1	Monroe Phase 3 SEA	$29,217
	Traffic	4400018271/H.014746.5	LA 383 Stage 0 Corridor Study	$22,388
	Traffic	4400018271/H.011242.1	LA 384 (Big Lake Rd to McNeese St)	$31,827
Sustainable Design Solutions	Road	TBD	DOTD Road Design for Safety IDIQ	N/A

20. Certifications/Licenses

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

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

Mr. Russell Joseph Coco Jr.
License/Certificate Type - Number: PE.0031337
Expiration Date: 09/30/2024
Status: Active

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

Mr. Chad Anthony Bacas
License/Certificate Type - Number: PE.0028786
Expiration Date: 09/30/2025
Status: Active

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

Ms. Janice Poplin Williams
License/Certificate Type - Number: PE.0023866
Expiration Date: 03/31/2025
Status: Active

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

Mr. Tyler Hubert Branch
License/Certificate Type - Number: PE.0041576
Expiration Date: 09/30/2025
Status: Active

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

Ms. Allison Ancona Schilling
License/Certificate Type - Number: PE.0030265
Expiration Date: 09/30/2024
Status: Active

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

Mr. Desmond Courtney Sprawls
License/Certificate Type - Number: PE.0015665
Expiration Date: 03/31/2024
Status: Active

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

Mr. Kresten Thomas Brown
License/Certificate Type - Number: PE.0039998
Expiration Date: 03/31/2024
Status: Active

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

Mr. Robert Ferdinand Nodier
License/Certificate Type - Number: PE.0048177
Expiration Date: 03/31/2024
Status: Active

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

Mr. Joffrey Elliott Easley
License/Certificate Type - Number: PE.0031542
Expiration Date: 03/31/2025
Status: Active

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

Mr. Adrian Boyd Holmes
License/Certificate Type - Number: PE.0027452
Expiration Date: 09/30/2025
Status: Active

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

Mr. Jason Paul Fennell
License/Certificate Type - Number: PE.0037237
Expiration Date: 09/30/2024
Status: Active

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

Mr. Levi Ethan Yantis
License/Certificate Type - Number: PE.0042390
Expiration Date: 09/30/2024
Status: Active


BoatUS Foundation
NASBLA
This Certificate is Awarded to
Joffrey Easley
In acknowledgement of successful completion of the BoatU.S. Foundation's Online Boating Safety Course on:
February 17, 2021
This course is an interactive, non-proctored exam provided at no cost on the Internet by the BoatU.S. Foundation for Boating Safety and Clean Water, 147 Old Solomon's Island Rd. Suite 513, Annapolis, MD 21401 (703)461-2878 www.BoatUS.org
The Online Boating Safety Course is approved by the National Association of Boating Law Administrators (NASBLA) and recognized by the US Coast Guard.
This certificate is valid for 60 days from the date of issue.
Your permanent card will be sent via email from the Louisiana Department of Wildlife and Fisheries.

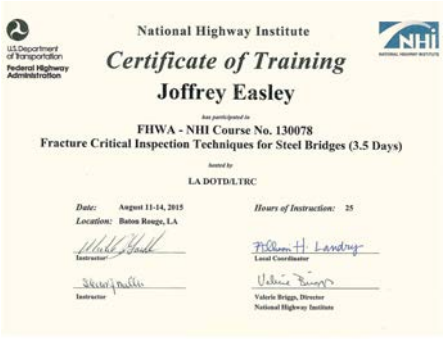

National Highway Institute
Certificate of Training
JOFFREY EASLEY
FHWA-NHI-130053
Bridge Inspection Refresher Training
LA DOTD/LTRC
Date: January 11-13, 2022
Hours of Instruction: 18
Location: Baton Rouge, LA
Thomas Harman, Director
National Highway Institute


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Joffrey Easley
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/7/2023 to 4/7/2027
Training Valid Through
Baton Rouge, LA
Location
Vice President of Education and Technical Services
President, CEO


National Highway Institute
Certificate of Training
Joffrey Easley
NHI Course No. 130055 -
Safety Inspection of In-Service Bridges
LA DOTD/LTRC
Date: April 30-May 11, 2012
Hours of Instruction: 67
Location: Baton Rouge, LA
Richard Barnaby, Director
National Highway Institute

20. Certifications/Licenses

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.



National Highway Institute

Certificate of Training

Joffrey Easley

FHWA - NHI Course No. 130078
Fracture Critical Inspection Techniques for Steel Bridges (3.5 Days)

LA DOTD/LTRC

Date: August 11-14, 2015 *Hours of Instruction:* 25
Location: Baton Rouge, LA

Mead & Hunt

In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:

Joffrey Easley

Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gourrier Avenue, Room 175
Baton Rouge, Louisiana 70808

Please select the date you attended the course:
- Tuesday, April 12, 2016
- Wednesday, April 13, 2016
- X Tuesday, May 10, 2016
- Wednesday, May 11, 2016
- Tuesday, June 7, 2016
- Wednesday, June 8, 2016

You have earned 8 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

Mead & Hunt Instructor: Amy Squillari
Mead & Hunt Instructor: Darrell Berry, PE, SE

Certificate of Training

this certifies that

Levi Yantis

has successfully completed the training program requirements for

ATSSA Online Flagger Certification Training Course

Awarded on this 16th *day of* August 2021

National Highway Institute

Certificate of Training

LEVI YANTIS

FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges

LA DOTD/LTRC

Date: February 26 – March 1, 2019 *Hours of Instruction:* 25
Location: Baton Rouge, LA

National Highway Institute

Certificate of Training

LEVI YANTIS

FHWA-NHI-130053
Bridge Inspection Refresher Training

LA DOTD/LTRC

Date: January 11-13, 2022 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Mead & Hunt

In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:

Levi Yantis

Training Course:
Maintenance and Rehabilitation of Historic Bridges

July 2020

You have earned 4 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

Mead & Hunt Instructor: Amy Squillari
Mead & Hunt Instructor: John A. Rathke, PE, SE

National Highway Institute

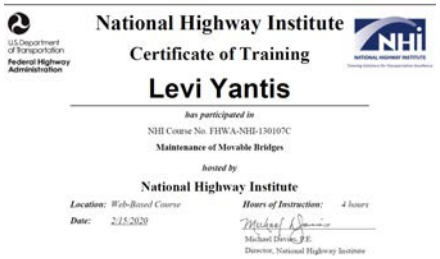
Certificate of Training

LEVI YANTIS

FHWA-NHI-130055
Safety Inspection of In-Service Bridges

LA DOTD/LTRC

Date: December 4-15, 2017 *Hours of Instruction:* 67
Location: Baton Rouge, LA



National Highway Institute

Certificate of Training

Levi Yantis

has participated in

NHI Course No. FHWA-NHI-130107C

Maintenance of Movable Bridges

hosted by

National Highway Institute

Location: Web-Based Course *Hours of Instruction:* 4 hours
Date: 2/15/2020

Michael Dennis, PE
Director, National Highway Institute

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Levi Yantis
has attended
Traffic Control Supervisor-LA State Specific
Training Course

7/1/2021 to 7/1/2025
Training Valid Through

Director of Training
President, CEO

Baton Rouge, LA
Location

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Levi Yantis
has attended
Traffic Control Technician-LA State Specific
Training Course

6/29/2021 to 6/29/2025
Training Valid Through

Director of Training
President, CEO

Baton Rouge, LA
Location

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

DOTD

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

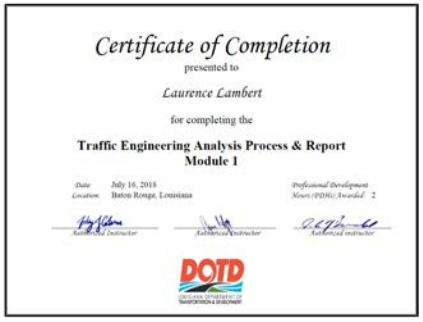
Professional Development Hours (PDHs) Awarded: 4

DOTD

20. Certifications/Licenses

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.


Certificate of Completion
presented to
Brin Ferlito
for completing the
Traffic Engineering Analysis Process & Report
Module 3
DOTD

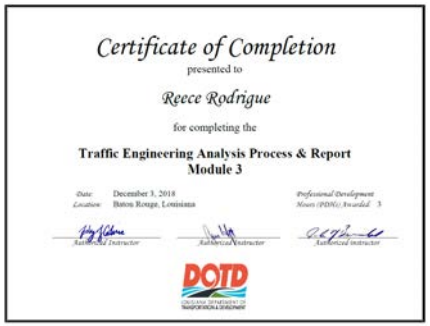

Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 1
DOTD

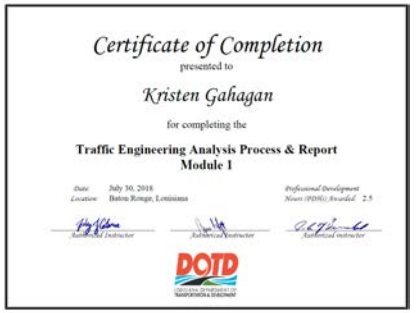

Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 2
DOTD


Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 3
DOTD

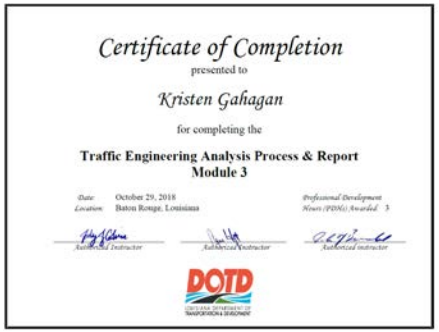

Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 1
DOTD

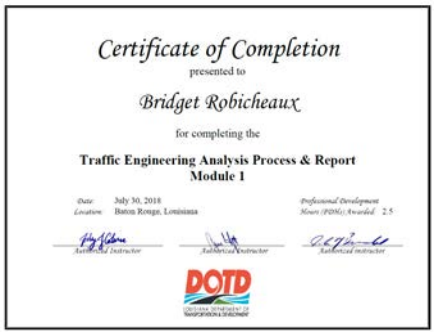

Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 2
DOTD


Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 3
DOTD


Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 1
DOTD


Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 2
DOTD


Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 3
DOTD


Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 1
DOTD


Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 2
DOTD


Certificate of Completion
presented to
Bridget Robicheaux
for completing the
Traffic Engineering Analysis Process & Report
Module 3
DOTD


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/29/2022 to 4/29/2026
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/29/2022 to 4/29/2026
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Reece Rodrigue
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
3/30/2023 to 3/30/2027
Training Valid Through
New Orleans, LA
Location
Vice President of Education and Technical Services
President, CEO

20. Certifications/Licenses

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.


PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/5/2021 to 4/5/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO


PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bridget Robicheaux
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


American Traffic Safety Services Association

This is to affirm that

Sheelagh Ferlito

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023
Exp. Date 5/8/2027
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000126216

Verify at Flagger.com


American Traffic Safety Services Association

This is to affirm that

Laurence Lambert

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023
Exp. Date 5/8/2027
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000126196

Verify at Flagger.com


Certificate of Training

this certifies that

Reece Rodrigue

has successfully completed the training
program requirements for

ATSSA Online Flagger Certification Training Course

Awarded on this 24th day of September 2020


AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Kristen Farrington

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 7/5/2025
State Issued LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com


American Traffic Safety Services Association

This is to affirm that

Bridget Robicheaux

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

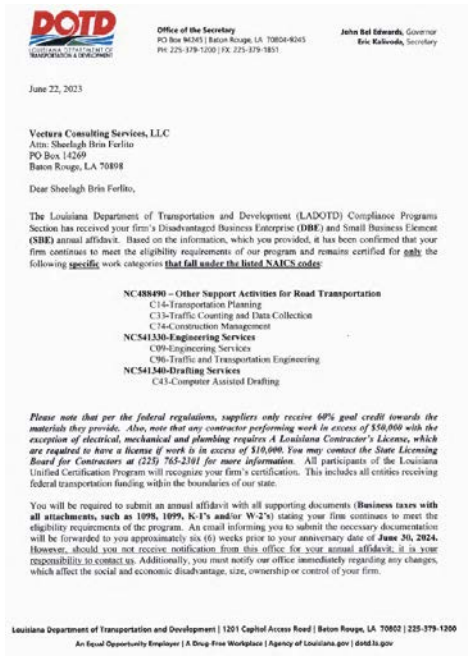
Issue Date 5/6/2022
Exp. Date 5/5/2026
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000060707

Verify at Flagger.com


DOTD

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,

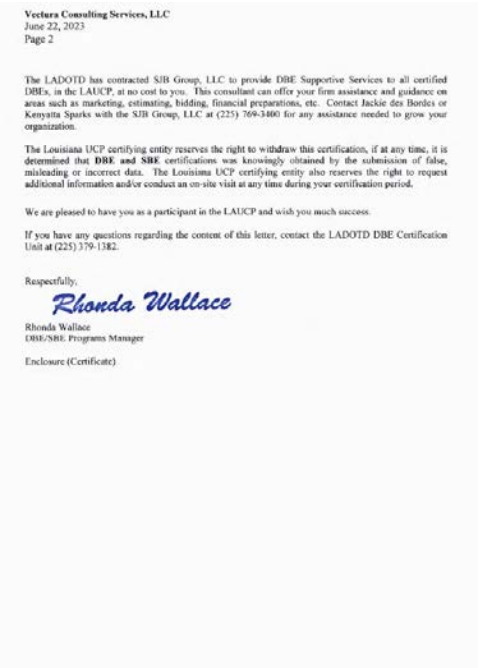
The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (DBE) and Small Business Element (SBE) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues 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) 769-3480 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 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

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

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

Mrs. Kodi Collins Guillory

License/Certificate Type - Number	Expiration Date
PE.0035951	03/31/2025

Status: Active

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

Mr. Jeremy Marc Labiche

License/Certificate Type - Number	Expiration Date
PE.0048511	03/31/2024

Status: Active

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

Ms. Talene Marie Kaltakjian

License/Certificate Type - Number	Expiration Date
PE.0044529	09/30/2024

Status: Active

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

April 5, 2023

Sustainable Design Solutions, LLC
Attn: Kodi C. Guillory
635 Main Street
Baton Rouge, LA 70801

Dear Kodi C. Guillory,

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**:

NC237110- Water and Sewer Line and Related Structures Construction
NC541330- Engineering Services
NC541611- Administrative Management and General Consulting Services
C09- Civil Engineering
C10- Management
C74- Construction Management

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 **October 31, 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.

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 Unified Certification Program (LAUCP)

Sustainable Design Solutions, LLC

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

NC237110, NC541330, NC541611

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

Certificate Eligibility: October 2023 to October 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

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Jeremy Labiche
has attended
Traffic Control Technician-LA State Specific
Training Course
2/15/2022 to 2/15/2026
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Jeremy Labiche
has attended
Traffic Control Supervisor-LA State Specific
Training Course
2/16/2022 to 2/16/2026
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO


The American Traffic Safety Services Association
Hereby recognizes that
Talene Kaltakjian
has attended
Traffic Control Technician-LA State Specific
Training Course
2/11/2020 to 2/11/2020
Date
Baton Rouge, LA
Location
Training & Products Dept. Director
President, CEO


The American Traffic Safety Services Association
Hereby recognizes that
Talene Kaltakjian
has attended
Traffic Control Supervisor-LA State Specific
Training Course
2/12/2020 to 2/13/2024
Date
Baton Rouge, LA
Location
Training & Products Dept. Director
President, CEO


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Kodi Guillory
has attended
Traffic Control Technician-LA State Specific
Training Course
11/9/2021 to 11/9/2025
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO

21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.

Bridge Department
Quality Assurance/Quality Control
Manual

Revised August 2016

Overview

Goals and Objectives

The Bridge Department of Forte and Tablada, Inc. has developed and implemented this Quality Assurance/Quality Control (QA/QC) guide in accordance with FHWA and state requirements. The QA/QC process applies to all types of bridge projects. In addition, the QA/QC process applies to the development of design guidelines, design examples, spreadsheets, and other design aides. Modifications to the QA/QC process and procedures may be required for large or complex structures.

The Quality Assurance/Quality Control (QA/QC) program establishes the following goals:

- Communicate openly to address concerns and solve problems immediately.
- Plan, coordinate, supervise, and provide technical direction.
- Employ skilled personnel who perform their work with care to produce a quality product.
- Produce quality work through review and checking by individuals not directly responsible for the initial work product.
- Take responsibility for the QA/QC of a project, regardless of role.

The objectives of the QA/QC program are to endeavor to produce products that:

- Are **Designed and Detailed** in accordance with the policies and procedures defined in the Bridge Design Manual, all applicable technical memorandums, and to the relevant guidelines on the Department website.
- **Clearly define** the sources of information for the calculations and the interface with related documents.
- Result in **constructible plans**.

Bridge Design and QA/QC Process

As part of the QA/QC process, this document will serve as a template to follow for every bridge project. The process can be summarized as follows:

Step 1 – Selection of the Project Team
Step 2 – Development of Design Criteria
Step 3 – Design and Development of Details
Step 4 – Quality Control (QC) of Design and Details
Step 5 – Quality Assurance (QA) of Design and Details
Step 6 – Peer Review (if requested by the Bridge Design Engineer Administrator)
Step 7 – Sealing of Design Calculation Book and Plans by the EOR
Step 8 – QC/QA for Design Activities after Final Plans
Step 9 – Archiving Bridge Design Files

Step 1 – Selection of the Project Team

At the beginning of each project, a project team will be selected commiserate with the complexity of the project. Team member responsibilities are as outlined below.

- Supervisor/Group Leader – A licensed professional engineer who manages a group of Engineers and Detailers. The supervisor/group leader is responsible for assigning work to Engineers and Detailers based on their level of experience and the complexity of the project. In addition, a supervisor/group leader is responsible for internal Quality Assurance reviews.

- Design Engineer – A licensed professional engineer or engineering assistant working under the direct supervision of a licensed professional engineer. The Design Engineer provides the data, such as design sketches, necessary for detail drawing development. In addition, the Design Engineer checks the details for errors, completeness, conformity, and consistency.

- Checker – A licensed professional engineer or engineering intern working under the direct supervision of a licensed professional engineer. The Checker thoroughly reviews the calculations or detail drawings for the purpose of reducing errors and omissions and increasing completeness, applicability, and conformance.

- Detailer – A drafter or engineer who generates and revises details, plan sheets, and drawings in electronic format.

- Engineer-of-Record – A licensed professional engineer who is responsible for supervision and/or preparation of plans, sealing calculations, signing and sealing the final plan set, and special provisions if required. This may be the Design Engineer or Supervisor.

Step 2 – Development of Design Criteria

Design criteria must be established at the beginning of each project and submitted to the Department for review and approval prior to before the design process is initiated. The design criteria shall be included in the final calculation book and updated as appropriate throughout the project. All design assumptions and any design exemptions that are granted are to be included in the design criteria. The design criteria is to include at least the following sections with a minimum of the information indicated in each section.

Design Criteria Checklist

- 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
  - ☐ 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 – provided by the Hydraulic Engineer
  - ☐ Design year
  - ☐ Design water elevations
  - ☐ Scour depth
  - ☐ Scour elevation

- Design Factors
  - ☐ Ductility factor η_D
  - ☐ Redundancy factor η_R
  - ☐ Operational importance factor η_I

- Design Loads
  - ☐ Dead loads
  - ☐ Live loads
  - ☐ Wind loads
  - ☐ Thermal loads
  - ☐ Vessel collision loads
  - ☐ Seismic loads
  - ☐ Wave loads
  - ☐ Other applicable loads

- Limit States
  - ☐ All applicable limit states shall be listed in this section.

- Bridge Barrier
  - ☐ Type(s)
  - ☐ Design criteria/test levels
  - ☐ List standard plans and special details utilized.

- Guardrail
  - ☐ Type(s)
  - ☐ Design criteria/test levels
  - ☐ List standard plans and special details utilized.

- Approach Slab
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Deck and Deck Drainage
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Bearings
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Joints
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Superstructure
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Substructure
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Piles and Drilled Shafts
  - ☐ Type(s)
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Geotechnical Design – to be provided by the Geotechnical Engineer
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Mechanical Design
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- Electrical/Lighting Design
  - ☐ Design criteria
  - ☐ List standard plans and special details utilized.

- As-Designed Bridge Rating Criteria
  - ☐ Design criteria

- Software
  - ☐ List all software used for design and checking.

Step 3 – Bridge Design and Development of Details

Bridge Design

The Design Engineer is responsible for the development of the design calculations, details, cost estimate, and any special provisions that may be required. Prior to beginning the design process, confirm that the bridge type, size, location, and design criteria have been established and approved by the Supervisor/Team Leader.

The design calculations are to be organized and maintained by the Design Engineer in a Calculation Book that includes, but is not limited to, the following sections.

- ☐ Cover Sheet – include the following information:
  - LADOTD project number
  - Project name
  - The title of "Final Calculation Book"
  - The EOR's seal with signature and date
- ☐ Design Criteria
- ☐ Superstructure Design Calculations
- ☐ Substructure Design Calculations
- ☐ Quantity Calculations
- ☐ QC/QA Certifications
  - Refer to Appendix A
- ☐ Final Hydraulic Analysis Report from Hydraulic Engineer
- ☐ Final Geotechnical Analysis Report from Geotechnical Engineer
- ☐ Special Provisions/NS-Items
- ☐ Construction Cost Estimate
- ☐ As-Designed Rating Report
- ☐ List of All Final Electronic Design Files and File Locations (ProjectWise directory name)

The Final Calculation Book is to be submitted to the LADOTD bridge task managers. Consult with the Bridge Task Manager to determine if submittal shall be on a CD, a Flash Drive, or placed to a designated ProjectWise folder. Include the following:

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

Development of Details

The Design Engineer must work together with the Detailer on the establishment of the bridge details and supervise the detailing work to verify that the details represent the bridge type, size, location, and design criteria that have been established.

Submittals of bridge details are to follow Department requirements. Typical submittals and their order are as follows:

1. Design Criteria
2. Bridge Type, Size, and Location (TS&L)
3. 30% Preliminary Plans
4. 60% Preliminary Plans
5. 90% Preliminary Plans
6. 100% Preliminary Plans
7. 30% Final Plans
8. 60% Final Plans
9. 90% Final Plans
10. 100% Final Plans
11. Final Calculation Book
12. Plan Revisions (if required)
13. Change Orders (if required)

Use the template on the following page as an outline for sheet order and plan development for each submittal to the Department.

Table 1. Typical Submittals and Associated Design and Detail Progress.

Item	Submittals							
	Preliminary Plans				Final Plans			
	30%	60%	90%	100%	30%	60%	90%	100%
QC/QA Certification	R	R	R	R	R	R	R	R
Bridge Index	D	D	D	D	D	D	C	S
General Notes	D	D	D	D	D	D	C	S
Summary of Estimated Quantities	D	D	C	C	D	D	C	S
General Plans	D	D	C	C	C	C	C	S
Typical Sections	D	D	C	C				
Superelevation Diagram		D	D	C	C	C	C	S
Construction Phasing Details		D	D	C	C	C	C	S
Traffic Controls Details		D	D	C	C	C	C	S
Foundation/Pile Layout		D	D	C	C	C	C	S
Pile Loads/Details			D	D	D	C	C	S
Pile Data Tables					D	D	C	S
Bent Details					D	D	C	S
Fender Details					D	D	C	S
Girder Details					D	D	C	S
Span Details					D	D	C	S
Joint Details						D	C	S
Bearing Details						D	C	S
Approach Slab						D	C	S
Guardrail Details						D	C	S
Bridge Barrier/Railing Details						D	C	S
Bridge Drainage Details						D	C	S
Detour Bridge Details						D	C	S
Revetment Details						D	C	S
Signing/Lighting Details						D	C	S
Year Plate						D	C	S
Rebar Support						D	C	S
Misc. Details						D	C	S
Project Specific Standard Plans and Special Details						D	C	S
Electrical/Lighting Details						D	C	S
Mechanical Details						D	C	S
As-Built Plans						D	C	S
Special Provisions/NS-Items					D	D	C	C
Cost Estimate			D	D	D	D	C	C

Legend:
"R" – The item is required and shall be included in the submittal.
"D" – The item shall be in development and included in the submittal.
"C" – The item shall be complete and included in the submittal.
"S" – The item is stamped by the EOR and shall be included in the submittal.

Step 4 – Quality Control (QC) of Design and Details

Quality Control is the process of checking the accuracy of calculations and consistency of the drawings, detecting and correcting design omissions and errors prior to finalizing design plans and specifications.

At the beginning of each project, design engineers and calculation checkers are to be assigned to the design of each component. Likewise, detailers will be assigned to the detailing and checking of each component to be detailed.

The Engineer-of-Record will sign and seal all final details and modified standards.

Quality Control of Calculations

This process applies to calculations, reports, studies, design spreadsheets and any other documents that are not details, plan sheets, or drawings. The process and responsibilities of all team members to confirm that calculations are prepared and checked are as provided in the following section and summarized in the Quality Control of Calculations flow chart shown in Figure 1.

Preparation (Design Engineer)

- Prepare relevant, appropriate calculations and sketches containing all information (input, basis, comments, references and sketches) necessary to convey the purpose and nature of the calculations. Calculations are standalone, to the extent reasonably possible.
- Present the calculations and sketches in a neat and logical manner that is conducive to checking.
- Conform the calculations and design sketches to the policies and procedures defined in the Bridge Design Manual and all relevant Technical Memorandums. Review the Department website as additional directives and modifications to the information provided in the Bridge Design Manual are posted frequently.
- Perform all calculations on Forte and Tablada, Inc. calculation sheets, on spreadsheet equivalents (i.e. personal spreadsheets or design spreadsheets), or with Department approved software.

Checking (Checker)

- Check each component to ensure compliance with the policies and procedures defined in the Bridge Design Manual and all relevant Technical Memorandums and the Department website.
- Check the calculations for internal consistency and traceability of sources. Thoroughly check the calculations, including assumptions, given values, formulas, omissions, and accuracy of arithmetic.
- Check methodology, reasonableness of results, and constructability. If necessary, ask for clarification from the Design Engineer, request additional calculations, and if unsure of any particular element, seek technical advice.
- Check the calculations by the method shown in the Quality Control of Calculations flowchart provided in Figure 4.1. Alternatively, check the calculations by providing independent calculations. Keep the alternate, independent calculation with the original. Indicate on the original that an alternate calculation was used for checking.
- When an error in computer input, assumptions, or load calculations is found, consider what that error will do to the outcome before redesigning the member. If the error has a negligible impact to the final design, it may not be necessary to redo the calculation. For instance, it may be unnecessary to re-run a program for a 0.1 k difference in load or a 1-foot station difference in geometry.

- When an error is found that will have impact on the remainder of the calculations, return the calculations to the Design Engineer for correction prior to completing checking of the calculations. Such an error is one leading to a design result that is more than 5 percent un-conservative or more than 15 percent conservative.

Correcting (Design Engineer)

- Revise the calculations and sketches based on the mark-ups. If not in agreement with a mark-up, discuss it with the Checker. Come to an agreement on whether to incorporate the mark-up. If unable to come to a resolution, consult the supervisor/group leader.

Verifying (Checker)

- Back check the revised calculations and sketches against the mark-ups to confirm all corrections have been incorporated or otherwise addressed.

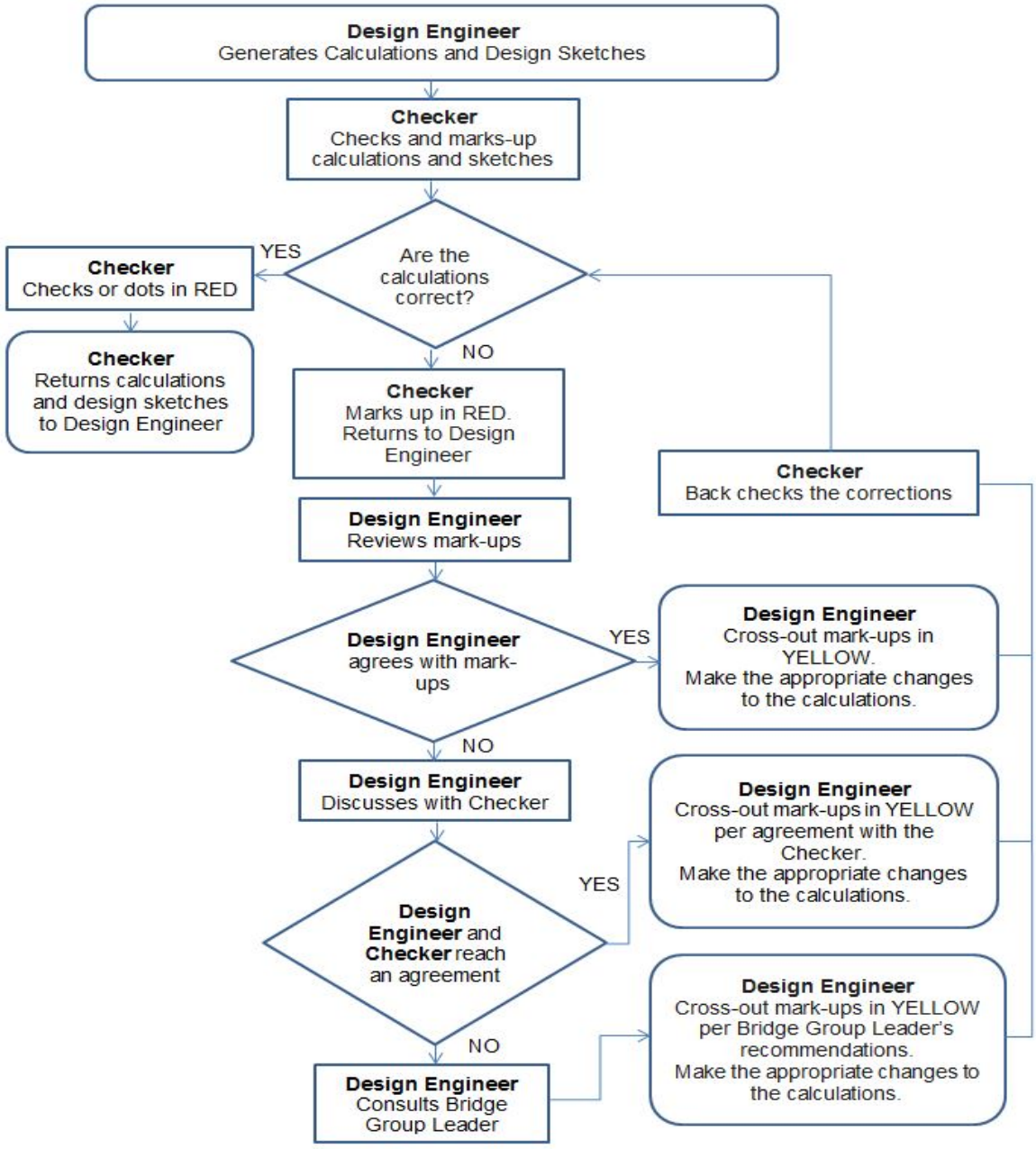


Figure 1. QC for Calculations Flowchart

Quality Control of Details

This process applies to details, plan sheets, and drawings. The Quality Control of Details flow chart included as Figure 2 provides the process for the checking of the drawings.

Preparation (Detailer)

- Develop all details in accordance with the Bridge Design Manual and applicable Department policies and practices.

Checking (Design Engineer or Checker)

- Check the details for completeness of the plan set for design intent, technical adequacy and conformity to applicable standards, and for consistency with the corresponding calculations.
- Check individual drawings using appropriate guidelines from the Bridge Design Manual for errors, completeness, conformance, and consistency.

Correcting (Detailer)

- Revise the details based on the mark-ups. If not in agreement with a mark-up, discuss it with the Checker. Come to an agreement on whether to incorporate the mark-up. If unable to come to a resolution, consult the supervisor/group leader. Mark any additional revisions on the originals.

Verifying (Design Engineer or Checker)

- Back check the revised details against the marked ups to confirm all corrections have been incorporated or otherwise addressed.

Addendum and Change Orders

It is sometimes necessary to submit revised plan sheets to address a change order or an addendum. For change orders and addendum, follow the Department policy and procedures. Remember to update all relevant calculations and details.

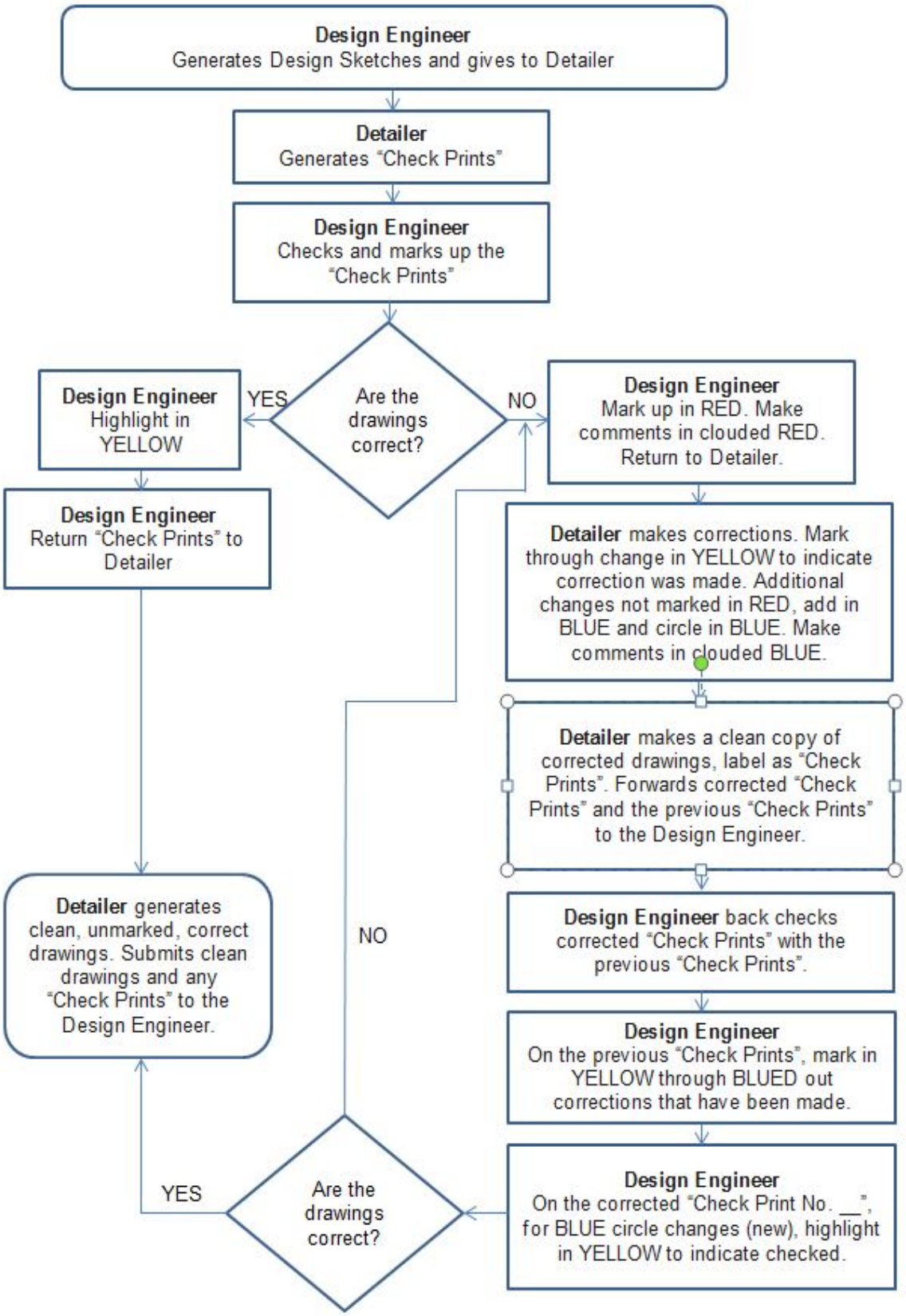


Figure 2. QC for Details Flowchart

Step 5 – Quality Assurance (QA) of Design and Details

Quality Assurance is the process of reviewing the quality control process for use and effectiveness at preventing mistakes and ensuring compliance. The Quality Assurance process varies depending on the stage of plan development and who develops the plans. The Quality Control Plan is to be maintained such that it can be submitted to the Department if requested.

During Plan Development

The Supervisor/Group Leader is responsible for Quality Assurance. The Supervisor/Group leader determines the level and complexity of the Quality Control process, assigns the Design Engineer, Checker, and Detailer. The Supervisor/Group Leader confirms the Quality Control process by reviewing that the details indicate the correct Design Engineer, Checker, and Detailer. In addition, the Supervisor/Group Leader completes a review of the details for constructability, applicability, completeness, and conformity.

Upon completeness of the QA process (no later than the 98% final plans stage) the design calculations, details, special provisions, and cost estimate are considered final and the QC/QA Certificate included in Appendix A is to be signed by members of the project team.

During Construction

During construction, Department engineers assume the role of Engineer-of-Record and complete field-engineering reviews. If a complex problem occurs, the Department may contact the original Engineer-of-Record, who will determine a solution and if necessary, provide calculations and revised details.

Step 6 – Peer Review (if required)

Typically, a peer review will not be required. For more complex projects; however, the Bridge Design Engineer Administrator may request a peer review. The peer review process is to be in accordance with the requirements specific to the project. At the conclusion of the review, a Peer Review Resolution Agreement may be required.

Step 7 – Sealing of the Calculation Book and Plans by EOR

Near the completion of the project, it is the responsibility of the Engineer of Record (EOR) that all calculations, details, QC/QA requirements, and all other department requirements are substantially complete. At this stage, the following items are to be verified.

- Confirm that the QC/QA certification has been signed by all responsible parties.
- Confirm that the Geotechnical Engineer has co-stamped the geotechnical design information shown on the bridge plans.
- Confirm that the Hydraulic Engineer has co-stamped the hydraulic information shown on the bridge plans.
- Assemble final Geotechnical Report and Hydraulic Report.
- Finalize calculation book and seal the cover sheet.
- Verify that the names of the designer, design checker, detailer, detail checker, and reviewer are all correctly shown on the title block of each plan sheet.

- Stamp the General Notes sheet. EOR may sign the remaining sheets or designate qualified Professional Engineers to stamp the sheets developed under their supervision.
- Verify that all special provisions are accurately shown on the construction proposal. The special provisions are typically stamped by the Specification Engineer as part of the construction proposal; however, if the Specification Engineer is not qualified or not willing to stamp the special provisions, the EOR must stamp these provisions.

Step 8 – QC/QA for Design Activities After Final Plans

The previously established QC/QA process and procedures are to be utilized for all plan revisions, change orders, etc.

Step 9 – Archiving Bridge Design Files

The EOR is responsible for archiving all bridge design files including calculation books, plans, special provisions, cost estimate, and other pertinent documents in accordance with the Department records retention policy. It is also to responsibility of the EOR to deliver all bridge design files to the Bridge Task Manger no later than 30 calendar days after the stamped final plans are delivered. Any revisions made to these documents due to plan revisions and change orders must be delivered with the signed plan revisions or change order sheets.

Notebook/File

The Design Engineer keeps a binder or folder clearly labeled with the Structure Name, Parish (or County), and State Project Number that contain the following:

- Request for Qualifications – Keep a record of the original advertisement, addendums, Q&A, and the shortlist and award as determined by the Project Evaluation Team.
- Correspondence – Correspondence includes emails, memos, or other documents that affect the design of the structure or clarify design requirements.
- Calculations – Calculations generated and reviewed in accordance with the Quality Control Program. Calculations include hand-written documents, spreadsheets, and output from software. Convert the calculations to PDF for archive purposes. Figure 6.1 contains guidance on the calculations to be included as part of the PDF.
- Details – Check Prints and Final Plan Sets generated and reviewed in accordance with the Quality Control Program.
- Any other documents required for design, such as existing plan sheets and review comments.

The Design Engineer documents any changes that occur after the Plan Review, such as Addendum, and post-letting, such as Change Orders and RFIs by including correspondence, calculations, check prints, and details that relate to the change or request in the electronic Notebook/File for the project.

Design Notes Required	Design Notes NOT Required
Calculations and other documentation establishing the bridge's superstructure design satisfies controlling load cases and limit states, for the following elements: • Girders or beams • Stringers • Floor beams • Trusses, including secondary elements such as bracing and gusset plates • Arches and hangers, including secondary elements such as bracing and gusset plates • Cable stays • Other elements not specifically excluded Calculations and other documentation establishing the bridge's substructure design satisfies controlling load cases and limit states, for the following elements: • Cap beams • Columns, Towers, and Pylons • Other elements not specifically excluded Calculations and other documentation establishing the bridge's foundation design satisfies design requirements, for the following elements: • Piling • Drilled shafts • Spread footings • Other elements not specifically excluded	Decks, if per current Department Manuals and standard drawings Bearings, if per current Department Manuals and standard drawings Railings, if per current Department Manuals and standard drawings Expansion joints, if per current Department standard drawings Standard round columns if column height and diameter is within prescribed limits of acceptability in Department Manuals Abutment design, if details follow current Department Manuals and standard drawings Pile and/or Footing design, if details follow current Department standard drawings Other structural items from current Department standard drawings such as diaphragms/cross-frames for steel girders and beams, transverse posttensioning of box beam spans, etc.

Figure 3. Guidance for Calculation Retention

Appendix A
QC/QA Certification

Number:
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	P.E. Reg. #	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
Engineer-of-Record (EOR)						

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809-9639	Sheelagh Brin Ferlito bferlito@vecturacs.com	225-223-6685
Sustainable Design Solutions, LLC	635 Main Street, Studio 1 Baton Rouge, LA 70801	Kodi Guillory, P.E. kguillory@sustainabledes.com	225-939-5368

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the advertisement.