CONTRACT FOR OFF SYSTEM HIGHWAY BRIDGE PROGRAM

IDA MISSIONARY ROAD OVER NANCE BRANCH

STATE PROJECT NO. H.015912.5 | F.A.P. NO. H015912 | CADDO PARISH

JANUARY 29, 2025

CONTRACT NO. 4400030632

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 December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

1. Contract Name as shown in the advertisement	Off-System Highway Bridge Program Ida Missionary Road over Nance Branch
2. Contract Number(s) as shown in the advertisement	Contract No. 4400030632
3. State Project Number(s), if shown in the advertisement	H.015912.5
4. Prime consultant name ((name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	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. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.	Signature above shall be the same person listed in Section 9:  Date: 01/28/2025
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): N/A Firm(s)' %: N/A

SECTIONS 12-15

FORTE & TABLADA

12. Discipline Table:

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

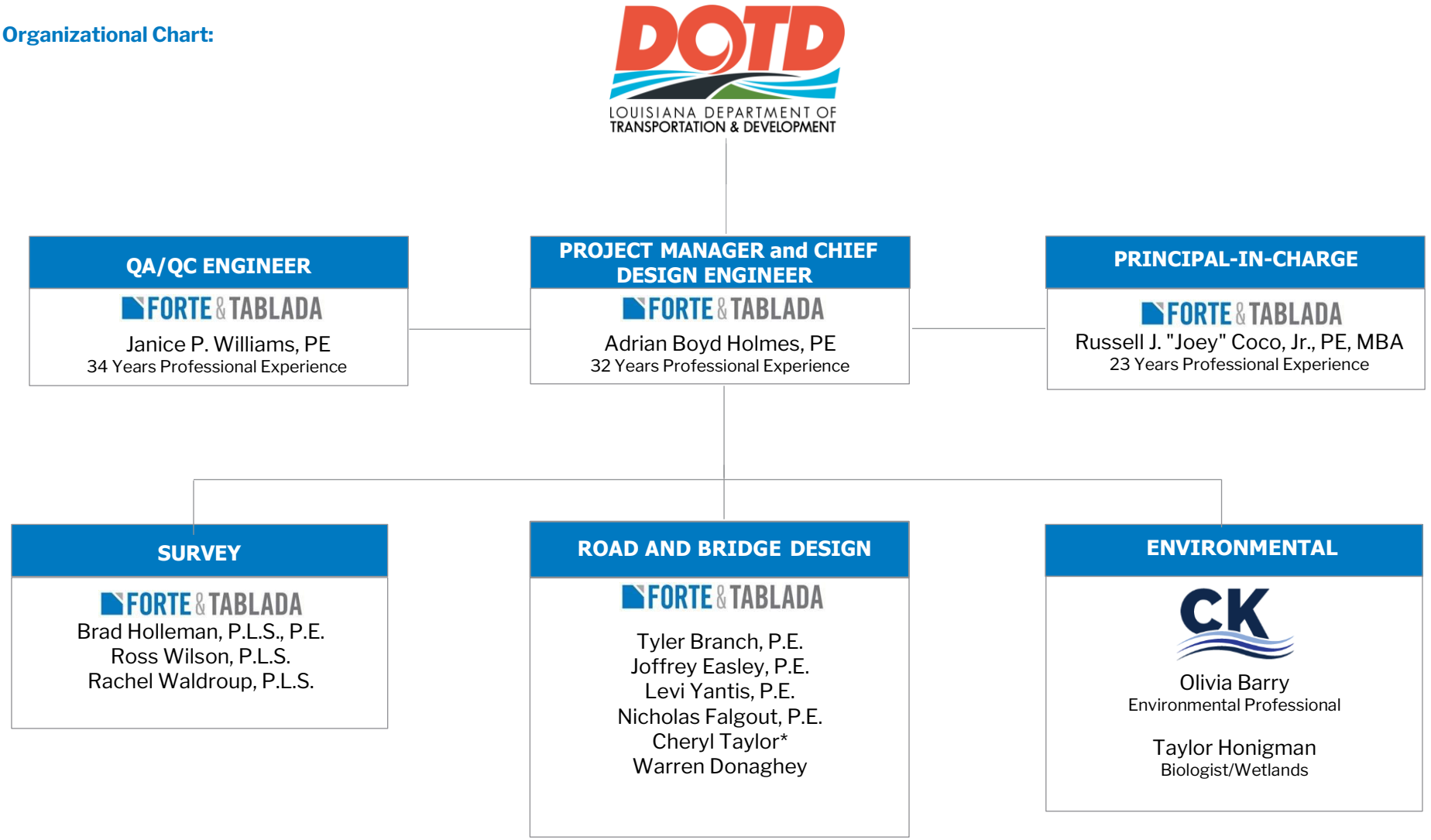
The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

Past Performance Evaluation Discipline(s)	% of Overall Contract	FORTE & TABLADA (Prime)	CK (Sub-Consultant)	Each Discipline must total to 100%
Bridge	85%	100%	0%	**100%**
Environmental	5%	20%	80%	**100%**
Survey	10%	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%	96%	4%	**100%**

13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
FORTE & TABLADA	Administrative	0	3
	CADD Technician	2	8
	Clerical	0	4
	Engineer	7	10
	Inspector	0	3
	Instrument Man	1	1
	Party Chief	2	5
	Engineer Intern	0	9
	Principal	1	3
	Rodman	1	8
	Supervisor - Eng	2	4
	Supervisor - Other	0	2
	Surveyor	3	7
CK	Environmental Pro	1	2
	Biologist/Wetlands	1	4

14. Organizational Chart:



* Contract Employee

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., P.E.	FORTE & TABLADA	PE 31337 - Civil	LA	9/30/2026
2	Adrian Boyd Holmes, P.E.	FORTE & TABLADA	PE 27452 - Civil	LA	9/30/2025
3	Adrian Boyd Holmes, P.E.	FORTE & TABLADA	PE 27452 - Civil	LA	9/30/2025
4	Bradley S. Holleman, P.L.S., P.E.	FORTE & TABLADA	PLS 5082 - Survey	LA	9/30/2026
5	Olivia Barry	CK	Professional Wetland Scientist – 3640	N/A	N/A

SECTION 16

FORTE & TABLADA

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Russell J. "Joey" Coco, Jr., P.E., MBA**	Years of relevant experience with this employer	18	
Title	Principal-in-Charge	Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization	BSCE / 2000 / Civil Engineering; MBA / 2006 / Business Administration			
Active registration number / state / expiration date	31337 / LA / 09/30/2026			
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	**Principal-in-Charge; Meets MPR 1**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/14-Ongoing	**LA DOTD H.004273.5 I-49 Connector Topographic Survey, 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.
11/16-10/20	**Livingston Parish Off-System Bridge Load Ratings, Livingston Parish, LA** – QC/QA review engineer for the inspection and load rating of numerous existing slab span bridges and culverts in Livingston Parish in accordance with FHWA Metric 13, which requires a current load rating of all Off-System bridges.
06/16-04/20	**St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA** – QC/QA review engineer for the data collection, inspection, and load rating of numerous slab span, girder, and railcar bridges in St. Tammany Parish.
05/19-09/19	**H.000303.6-Danziger Bridge Rehabilitation, Orleans Parish, LA** - Principal overseeing survey investigation of Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.

16. Staff Experience:

Joey Coco, P.E. - Continued	
11/14-09/19	**Railroad Bridge Replacement, Plaquemines, LA** - Served as a project principal for the replacement of an existing railroad bridge structure in an industrial plant.
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.
03/15-02/18	**Holly Drive Bridge Replacement, St. Tammany Parish, LA** - Served as a project principal for an existing timber bridge replacement in St. Tammany Parish.
03/14-02/18	**LA DOTD Load Rating of Bridges, Statewide, LA** - Served as a review engineer for load rating of statewide bridges.
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.
05/17-10/18	**H.004791.5 Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey, Plaquemines Parish, LA** - Principal-in-charge for comprehensive topographic surveying services for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.
05/17 - 10/17	**LA DOTD S.P. No. H.013052 LA 442 Tangipahoa River Bridge Replacement, Tangipahoa Parish, LA** - Principal overseeing topographic surveying for the LA 442 bridge over the Tangipahoa River. The survey included numerous cross-section surveys upstream and downstream of the bridge, as well as the along the bridge fascia. The work was performed utilizing shallow, flat-bottomed boats as a result of the shallow and sandy river bottom and was provided to engineers for the purpose of hydraulic analysis and bridge preservation and replacement considerations.
03/14-03/17	**LA DOTD Load Rating of On-System Bridges, Statewide, LA** - QC/QA review engineer for over 200 slab span and girder bridges across Louisiana. Utilized Virtis load rating software.
04/11-10/16	**Iberville Parish Bridge Ratings and Prioritization, Iberville Parish, LA** - Served as an engineer for continued off-system bridge ratings, repairs, and recommendations for Iberville Parish. (Prime Consultant to Iberville Parish Government).
03/15-07/15	**Bossier Parish Bridge Priority Study, Bossier Parish, LA** - Served as the project manager and engineer for prioritizing the repair and maintenance of twelve bridges owned by Bossier Parish Police Jury.
12/14-11/15	**Westdale Road Bridge over Bayou Pierre, DeSoto Parish, LA** - Served as a project principal for laser scanning, inspection, and repair plans for an existing closed bridge.
01/14-12/14	**Poole Road Over Flat Lake, Bossier Parish, LA** - Served as a rating engineer for a bridge utilizing TYPE III and BT 72 girders. (Prime Consultant to Bossier Parish Government).

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Janice P. Williams, P.E.**	Years of relevant experience with this employer	1.5	
Title	QA/QC Engineer	Years of relevant experience with other employer(s)	32.5	
Degree(s) / Years / Specialization	BSCE / 1985 / Civil Engineering			
Active registration number / state / expiration date	23866/ LA / 03/31/2025			
Year registered	1990	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	**QA/QC 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).
04/14-01/18	**LA DOTD Chief Engineer, Baton Rouge, LA** – Engineering leader of DOTD, provided guidance to a staff of more than 500 engineers, engineering technicians and support staff. Responsible for establishing the engineering standards, policies, and procedures that guide delivery of projects. Accountable for the on-time and on-budget delivery of the yearly DOTD Highway Priority Program. Focused on delivery of quality plans and invested much of her time in reviewing plans prior to finalization to ensur e plans were clear, concise, and correct prior to approving them as final.
03/23-Present	**Forte and Tablada, QA/QC Engineer, Baton Rouge, LA** – QA/QC Engineer providing thorough and timely reviews of construction plans for conformance with quality standards and applicable guidelines. Provides guidance for best practices in 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.
03/23–Ongoing	**H.005734 LA 447 Corridor Improvements (Joe May Rd to I-12), Livingston Parish, LA** – QA/QC reviewer for the construction plans of this project to widen LA 447 from 2-lanes to 3-lanes from Joe May Rd to Buddy Ellis Rd and from 2-lanes to 4-lanes from Buddy Ellis Rd to I-12. The roadway design includes roundabouts at Buddy Ellis and O'Donovan Blvd and the realignment of two local roads to provide additional distance between their intersections and the I-12 EB exit roundabout.
04/23–Ongoing	**H.015102 Centerville Street Improvements, Livingston Parish, LA** – QA/QC reviewer for the construction plans for the ±0.94-mile Corridor Enhancement / Pedestrian Improvement Project in Denham Springs, LA, including the design of pedestrian and bicycle facilities along both sides of the Centerville St. from River Rd. to N. Range Ave. and sidewalk improvements from N. Hummel Ave. to DS Junior High School, including crosswalk upgrades at the intersection of Centerville and Range / Hummel.
12/23-Ongoing	**Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA** - QA/QC reviewer of construction plans for bridge replacement project.
06/24-Ongoing	**H.015355 West Colyell Creek Bridge (On Burgess Road), Livingston Parish, LA** - QA/QC reviewer of construction plans for bridge replacement project.
03/24-Ongoing	**H.011826 Linder Road Improvements, Livingston Parish, LA** - QA/QC reviewer for the construction plans for this rehabilitation project consisting of the full-depth rehabilitation and widening of ~0.4 miles of a 2-lane roadway and the milling and overlay and widening of ~1.7 miles of the 2-lane roadway, as well as drainage improvements.

16. Staff Experience:

Janice P. Williams, P.E. - Continued	
11/20 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA- Gurney Road Bridge Over Drainage Canal (Site 1) (Recall No. 800447); Gurney Road Bridge Over Drainage Bayou (Site 2) (Recall No. 800449)** - QA/QC reviewer for preliminary and final plans of two bridges.
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA –** QA/QC reviewer for preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisitions, and utility relocations.
07/24-Ongoing	**Nicholson Drive (LA 30) Segment 1 (Brightside Lane/West Lee to Gourrier/Burbank), East Baton Rouge Parish, LA** - QA/QC reviewer for the construction plans for this project 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.
09/23-Ongoing	**Old Hammond Highway- Segment 1, East Baton Rouge Parish, LA** - QA/QC reviewer for the construction plans to construct a four-lane boulevard with a raised median and turn lanes and includes a multi-lane roundabout at S. Flannery Rd. The project also included traffic signalization, utility relocations, testing, lighting, landscaping, rights-of-way, and environmental mitigation.
06/10 – 03/14	**LA DOTD Chief Project Development Division, Baton Rouge, LA** - 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.
08/06 – 06/10	**LA DOTD Chief Systems Engineering Division, Baton Rouge, LA** - 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.
10/87-08/06	**LA DOTD, Program and Project Manager for Pavement Preservation and Interstate Rehabilitation Programs, Baton Rouge, LA** - Program and Project Manager for Pavement Preservation and Interstate rehabilitation Programs and other various projects. Responsible for delivering over 1200 projects totaling over $2.3 billion in construction costs. 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. Experience in managing these projects allowed her to develop strong skills in identifying constructability issues and finding workable solutions. Developed expertise in plan review and quality assurance while managing a large volume and variety of projects. Also responsible for development of design details and specifications for pavement preservation. 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	**LADOTD, Engineer Intern, Baton Rouge, LA** - Engineer Intern in the Road Design Section at LADOTD. Gained design experience on various types of highway projects including bridge replacement, intersection improvements, and roadway reconstruction with subsurface drainage. 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	**Adrian Boyd Holmes, P.E.**	Years of relevant experience with this employer	2	
Title	Group Leader–Transportation-Bridge (Off-System	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 / 09/30/2025			
Year registered	1997	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	**Project Manager; Meets MPRs 2 and 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).
	Boyd has served as Project Manager/Design Engineer on fifty-five (55) LADOTD Off-System Bridge Projects that included one hundred ten (110) bridge sites in 36 different Parishes throughout the state. Boyd has served as Project Manager on two (2) Urban Systems Bridge Projects that included two (2) bridge sites. Boyd also served as Project Manager/Design Engineer on six (6) bridge replacement projects in East Baton Rouge Parish, eight (8) bridge replacement projects in Ascension Parish, two (2) bridge replacement projects in St. Tammany Parish, one (1) bridge replacement project in Lafayette Parish, and two (2) bridge replacement projects in Livingston Parish. He has also performed hydrologic and hydraulic analysis for the design of bridge and culvert crossings associated with transportation projects.
07/23 - Ongoing	**E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA** – Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisitions, and utility relocations. LCG.Project No. (PW #1635) One (1) Bridge.
07/23 - Ongoing	**Off-System Highway Bridge Program, Morehouse Parish, LA - Bonne Idee Road Bridge over Bayou Bonne Idee** – Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic report, and environmental clearance. S.P.#(H.014994) One (1) Bridge.
01/23 - Ongoing	**Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA** – Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisition, utility relocations, bidding, and Construction Administration. One (1) Bridge.
04/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic reports, and environmental clearance. S.P.#(H.014990) Two (2) Bridges.
02/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek,** – Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic report, and environmental clearance. S.P.#(H.014989) One (1) Bridge.
01/23 - Ongoing	**Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic report, and environmental clearance. S.P.#(H.014981) One (1) Bridge.
07/22 - Ongoing	**Lock No. 3 Bridge Replacement, St. Tammany Parish, LA** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic report, environmental clearance, and utility relocations. S.P.#(H.015406) One (1) Bridge.

16. Staff Experience:

Adrian Boyd Holmes, P.E. - Continued	
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA -** Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisitions, and utility relocations. (FEMA PW 1049) One (1) Bridge.
07/22 - Ongoing	**Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary and final plans, hydraulic reports, environmental clearance, ROW Mapping, and utility relocations. (EBR C.P. Project No. 21-DR-LA-0095) (FEMA-4277-DR-LA, Project #0056) Two (2) Bridges.
07/22 - Ongoing	**Urban Systems Program, City of Walker, Livingston Parish, LA - Aydell Lane Bridge Replacement Over Dumplin Creek** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary plans, hydraulic report, environmental clearance, ROW Mapping, and utility relocations. S.P.#(H.015163) One (1) Bridge.
07/22 - Ongoing	**Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)** - Responsibilities included project management and QC reviews for the performance of the topographic survey, preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping, and utility relocations. S.P.#(H.015355) One (1) Bridge.
11/20 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA- Gurney Road Bridge Over Drainage Canal (Site 1) (Recall No. 800447); Gurney Road Bridge Over Drainage Bayou (Site 2) (Recall No. 800449)** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014318) Two (2) Bridges.
11/20 – 02/24	**Off-System Highway Bridge Program, Rapides Parish, LA - Doshie Road Bridge Over Cherry Winche Creek Tributary** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014261) One (1) Bridge.
11/20 – 09/22	**Off-System Highway Bridge Program, Vermilion Parish, LA - Camile Road Bridge Over Bayou Grand Marais** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014223) One (1) Bridge.
11/18 - Ongoing	**Off-System Highway Bridge Program, Ouachita Parish, LA - Harmon Johnson Bridge Over Drain to Prairie Bayou (Site 1); Good Hope Bridge Over North Tupawek Bayou (Site 2)** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.013137) Two (2) Bridges.
11/18 - 02/21	**Off-System Highway Bridge Program, Evangeline Parish, LA - Green Valley Bridge Over Petite Pass** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.013141) One (1) Bridge.
01/13 – 08/14	**Off-System Highway Bridge Program, Bossier Parish, LA - Koran Doyline Road Over Clarke Bayou** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.009945) One (1) Bridge.
03/05 – 01/09	**Off-System Bridge Rehabilitation and Replacement Program, Bossier Parish, LA - Crouch Road Bridge Over White Oak Branch; Parks Road Bridge Over Cypress Bayou** - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#700-08-0125 Two (2) Bridges.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Nicholas Falgout, P.E..**	Years of relevant experience with this employer	7	
Title	Project Engineer	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization	BSCE / 2018 / Civil Engineering			
Active registration number / state / expiration date	46785 / LA / 09/30/2026			
Year registered	2022	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).
07/23 - Ongoing	**E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA** – Responsibilities included project design for the development of the topographic survey, preliminary and final plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. LCG.Project No. (PW #1635) One (1) Bridge.
07/23 - Ongoing	**Off-System Highway Bridge Program, Morehouse Parish, LA - Bonne Idee Road Bridge over Bayou Bonne Idee** – Responsibilities included project design for the development of the topographic survey and preliminary plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. S.P.#(H.014994) One (1) Bridge.
01/23 - Ongoing	**Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA** – Responsibilities included project design for the development of the topographic survey, preliminary and final plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. One (1) Bridge.
04/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)** - Responsibilities included project design for the development of the topographic survey and preliminary plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignments, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structures, and preparation of the hydraulic reports. S.P.#(H.014990) Two (2) Bridges.

16. Staff Experience:

Nicholas Falgout, P.E. - Continued	
02/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek,** – Responsibilities included project design for the development of the topographic survey and preliminary plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. S.P.#(H.014989) One (1) Bridge.
01/23 - Ongoing	**Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou** - Responsibilities included project design for the development of the topographic survey and preliminary plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. S.P.#(H.014981) One (1) Bridge.
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA -** Responsibilities included project design for the development of the topographic survey, preliminary and final plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. (FEMA PW 1049) One (1) Bridge.
07/22 - Ongoing	**Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA** - Responsibilities included project design for the development of preliminary and final plans. Nick was responsible for establishing existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic reports. (EBR C.P. Project No. 21-DR-LA-0095) (FEMA-4277-DR-LA, Project #0056) Two (2) Bridges.
07/22 - Ongoing	**Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)** - Responsibilities included project design for the development of the topographic survey, preliminary and final plans. Nick was responsible for meeting with Parish Representatives, directing the survey crew for topographic field work, establishing survey alignment, directing development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, design X-sections, performing the hydrologic and hydraulic analysis for the replacement structure, and preparation of the hydraulic report. S.P.#(H.015355) One (1) Bridge.
11/20 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA- Gurney Road Bridge Over Drainage Canal (Site 1) (Recall No. 800447); Gurney Road Bridge Over Drainage Bayou (Site 2) (Recall No. 800449)** - Responsibilities included project design for the development final plans. Nick was responsible for directing development of summary of quantities tables/sheets, preparation of structural bridge plans/details, and preparation of quantity calculations. S.P.#(H.014318) Two (2) Bridges.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Joffrey E. Easley, M.S., P.E.**	Years of relevant experience with this employer	18	
Title	Group Leader – Transportation-Bridge	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	**Structural 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).
06/24-Ongoing	**H.014318 Gurney Road Bridge Replacements, East Baton Rouge Parish, LA** - Bridge Project Manager for the replacement of two (2) bridges on Gurney Road in East Baton Rouge Parish. Managed the design and load rating of the replacement concrete slab span bridges, which included sidewalks for pedestrian use.
02/24-08/24	**H.015355 Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)** - Bridge Project Manager for the replacement of a timber bridge on Burgess Road in Livingston Parish through the LADOTD Urban Systems program. Managed the design and load rating of the replacement concrete slab spans, which were required to be curved due to the roadway alignment and included sidewalks for pedestrian use.
12/12 –Ongoing	**H. 012308 Cook Road Expansion, Livingston Parish, LA** - Designed and produced plans for new bridges over Gray's Creek to provide additional access to the Juban Crossing shopping center by extending Cook Road off of Pete's Highway. Bridge includes special details to accommodate sidewalks for pedestrian use.
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA –** Bridge Engineer for preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisitions, and utility relocations. (FEMA PW 1049) One (1) Bridge.
12/12 -01/22	**Flannery Road Bridge Replacement, East Baton Rouge Parish, LA** – Designed and produced plans for a new concrete slab span bridge to replace the existing concrete and timber bridge on Flannery Road over Lively Bayou. The replacement bridge includes 10'-0" wide pedestrian lanes on both sides protected by concrete barrier rails.
09/21 – 11/22	**DOW Slab Span Bridge Replacement, Plaquemine, LA** - Project Manager to develop plans for the replacement of a slab span bridge inside the DOW Chemical plant. Required flared precast spans and bents due to site constraints.
01/21 – 07/21	**I-10 Modifications due to Pile Locations, Orleans Parish, LA** - Project Manager for the redesign of slab spans and pile bents, as well as the development of change order sheets, for new slab span bridges on I-10 near Lake Pontchartrain to account for out-of-tolerance PPC piles. Modifications included changes in span length, bent details, and pile loads.
01/16 – 01/21	**H.013166 Whittington Road Bridge Replacement, Livingston Parish, LA -** Design engineer 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.
01/14 – 01/21	**H.011828 Forrest Delatte Road Improvements and Bridge Replacement, Livingston Parish, LA** – Design engineer for the replacement of the existing timber bridge over Grays Creek on Forrest Delatte Road in Livingston Parish.
01/14 – 12/21	**H.011825 Buddy Ellis Road Overlay and Bridge Replacement, Livingston Parish, LA** - Design engineer for the replacement of the existing timber bridge on Buddy Ellis Road near LA Highway 447 in Livingston Parish.

16. Staff Experience:

Joffrey E. Easley, M.S., P.E. - Continued	
01/14 – 01/20	**H.011528 Travis Street and George Mashon Road Bridge Replacement, Livingston Parish, LA** - Design engineer for the replacement of two (2) timber bridges with concrete box culverts (Travis Street) and a curved concrete slab span bridge (George Mashon Road) through the LADOTD off-system bridge replacement program.
01/15-09/17	**Holly Drive Bridge Replacement, St. Tammany Parish, LA** - Developed plans for the replacement of an existing timber bridge in St. Tammany Parish, Louisiana. Replacement structure contains a sidewalk and aesthetic details that take the surrounding environment into consideration.
06/15 – 06/16	**East Baton Rouge Parish Bridge Replacements, East Baton Rouge Parish, LA** - Provided design services and load rated multiple slab span bridges that incorporated sidewalks. Design services included determination of pile loads, superstructure and substructure design, and independent technical review of completed plans.
05/13 – 12/14	**Musson Lane Bridge Replacement, Iberville Parish, LA** - Performed a detailed structural inspection and load rating of the existing bridge constructed of precast concrete spans and timber caps and piles. Developed plans and specifications for the replacement of the existing bridge with a new precast concrete slab span bridge.
04/13-06/14	**Wax Road Bridge over Miller Canal, Livingston Parish, LA** - Design engineer for the replacement of the Wax Road bridge over Greys Creek in Livingston Parish.
09/22 - Ongoing	**LA DOTD Retainer Contract for Bridge Load Rating Services, Statewide, LA** – Project Manager, Load Rating Engineer, and Team Leader for two Task Orders under a load rating retainer contract to perform a load rating for numerous bridges that have experienced a condition drop due to deterioration. The load ratings are being performed in accordance with LADOTD BDEM.96 – Publication of Load Rating, Posting and Strengthening Standard Operating Procedure (SOP). **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. (09/22 – 12/24) **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. (06/23 – Ongoing)
03/18 – 05/22	**LA DOTD 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 1** – Inspection and load rating of 12 complex off-system bridges, including lift spans, swing spans, bascule spans, ferry landings, and truss bridges. (01/18 – 02/19) **Task Order 2** – Inspection and load rating of 199 off-system bridges, consisting primarily of slab spans. (2019 – 2020) **Task Order 2b and 3** – Inspection and load rating of approximately 200 culverts that meet the requirements to be considered a bridge across the state. Task included the development of unique inspection techniques utilizing 3-D laser scanning and sonar for the inspection of these structures. (10/19 – 10/20) **Task Order 4** – Inspection and load rating of 340 off-system bridges, consisting primarily of slab spans, but also including concrete and steel girder spans, included the Linwood Avenue bridge over multiple railroad tracks in Shreveport, LA. The bridge is near the I-49 / I-20 interchange and is composed of steel girders, steel bent caps, and steel column assemblies. Because existing plans were not available, 3-D laser scanning was utilized to capture complex geometry and member sizes that were then utilized in the load rating and in the development of load rating plans. The inspection also included the use of an ultrasonic thickness gage to verify member thickness, as well as detailed measurements to determine section loss at the steel column bases. (04/19 – 05/22)

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Levi Yantis, P.E.**	Years of relevant experience with this employer	9	
Title	Task Lead – Transportation-Bridge	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 / 09/30/2026		
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).
09/24-Ongoing	**Hosston River Road Bridge Replacement, Caddo Parish, LA** - Structural design lead of the replacement bridge within Caddo Parish on Hosston River Road. The bridge consists of LG-25 girder spans with pile bents. Preliminary member sizing and geometry coordination with the roadway design is currently on-going.
06/24-Ongoing	**Dawson Creek Bridge Replacements, East Baton Rouge Parish, LA** - Structural design lead of 2 replacement bridges within East Baton Rouge Parish over Dawson Creek on Broussard St. and Hundred Oaks Ave. The 2 bridges are slab spans with sidewalks. Special substructure design considerations are being taken to avoid overhead utilities and the close proximity of buildings.
06/24-Ongoing	**Gurney Road Bridge Replacements, East Baton Rouge Parish, LA** - Structural design lead of 2 replacement bridges within East Baton Rouge Parish on Gurney Road. The bridges consist of slab spans with sidewalks and pile bents. An as-designed load rating of both bridges was also completed.
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA -** Headed the substructure structural design of the replacement bridge within Livingston Parish. The bridge consists of slab spans and pile bents. An as-designed load rating of the bridge was also completed.
02/24-08/24	**H.015355 Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)** - Structural design lead of the replacement bridge within Livingston Parish on Burgess Road. The bridge consists of curved slab spans with pile bents. An as-designed load rating of both bridges was also completed.
09/22-07/23	**Ouachita Parish Bridge Replacements, Ouachita Parish, LA** - Performed the structural design of a replacement bridge within Ouachita Parish on Good Hope Road. The bridges consist of curved slab spans with a single sidewalk and bents utilizing drilled shafts. An as-designed load rating was also completed.
10/21-05/22	**DOW Chemical Bridge Design, Iberville Parish, LA** - Designed a precast slab span bridge within the DOW Chemical plant facility. The bridge was designed to LADOTD specifications, as well to support the plant's oversized crane. Special design consideration had to be taken for the soil constraints at the site.
12/17-01/22	**Cook Road Expansion, Livingston Parish, LA** - Slab span superstructure and pile bent substructure design. Also assisted in the bridge plan development.
09/22-Ongoing	**LA DOTD Retainer Contract for Load Rating Services – Task Order 6, Statewide, LA** - Leading and supervising the load ratings of on-system girder span bridges throughout the state of Louisiana. Structure types range from prestressed concrete girder spans to continuous steel girder units.

16. Staff Experience:

Levi Yantis, P.E. - Continued	
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.
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.
01/14 – 01/20	**H.011528 Travis Street and George Mashon Road Bridge Replacement, Livingston Parish, LA** - Assisted in the structural design of the replacement bridge within Livingston Parish. The bridge consists of slab spans and pile bents. An as-designed load rating of the bridge was also completed.
01/16 – 01/21	**H.013166 Whittington Road Bridge Replacement, Livingston Parish, LA** - Assisted in the rehabilitation structural analysis of the original timber bridge within Livingston Parish. Also assisted in creating plans for the replacement bridge.
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.
03/18-04/22	**LA DOTD Retainer Contract for Off-System Bridge Load Rating – Task Order 2, Statewide, LA** – 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.
03/18-04/22	**LA DOTD Retainer Contract for Off-System Bridge Load Rating – Task Order 5, Statewide, LA** – Load testing and refined load rating analysis of slab span bridges and culverts that previously received low or closed load postings.
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.
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.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Tyler Branch, P.E.**	Years of relevant experience with this employer	13	
Title	Project Manager / Group Leader – Roadway	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	**Roadway 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).
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, ±$26 million road widening project which includes a bridge replacement over Taylor Bayou, relocations of Milton Ln. and Miller Rd., and roundabouts at O'Donovan Blvd. and Buddy Ellis Rd. in Walker, LA. All design elements will be designed to DOTD and federal standards.
04/20-Ongoing	**H.014358 Amite Church Road Improvements, Livingston Parish, LA** - Served as the Project Manager and Engineer of Record for the Design of the ±0.83 mile road preservation project in Livingston Parish, LA, overseeing the design of the alignments, profiles, geometrics, drainage, etc. The project scope included rehabilitating the pavement and improving roadside drainage. Served as the Project Engineer for CE&I Services utilizing the federal / DOTD process.
08/22-Ongoing	**H.015102 Centerville Street Improvements, Livingston Parish, LA** - Serving as the Project Manager for the ±0.94 mile Corridor Enhancement / Pedestrian Improvement Project in Denham Springs, LA, overseeing the design of pedestrian and bicycle facilities along both sides of the Centerville St. from River Rd. to N. Range Ave. and sidewalk improvements from N. Hummel Ave. to DS Junior High School, including crosswalk upgrades at the intersection of Centerville and Range / Hummel.
07/16-Ongoing	**H.013553 Pendarvis Lane Improvements, Phase I, Walker, LA** -Served as Project Manager and Engineer of Record for the Design and Project Engineer for the CE&I services for Pendarvis Lane Improvements, Phase I, an LPA road preservation project in Walker, LA (Livingston Parish). The project included ±0.78 miles of pavement rehabilitation, subsurface drainage, and replacing a major cross drain with double barrel 9x7 RCB's with non-standard headwall / wingwalls. While serving as the Project Engineer for CE&I services, all federal/DOTD process will be followed.
01/22-Ongoing	**H.014359 Aydell Lane: LA 447 to Park St., Livingston Parish, LA** - Served as the QA/QC Engineer for the Design and Project Engineer for CE&I Services utilizing the federal / DOTD process for the construction of the ±0.19 mile road improvement project in Livingston Parish, LA, overseeing the construction of a of the upgraded curb and gutter roadway, subsurface drainage, etc.
09/18-Ongoing	**H.013543 Sims Road Improvements, Livingston Parish, LA** - Served as the Project Manager and Engineer of Record for the Design of the ±2.89 mile road preservation project in Livingston Parish, LA, overseeing the design of the alignments, profiles, geometrics, drainage, etc. The project scope included mill and overlay and drainage improvements upgrades, including several large cross drains. Served as the Project Engineer for CE&I Services utilizing the federal / DOTD process.

16. Staff Experience:

Tyler Branch, P.E. - Continued	
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.
01/16-01/21	**H.013166 Whittington Road Bridge Replacements, Livingston Parish, LA** - Served as the road designer and performed the hydrologic and hydraulic analysis for existing timber bridge replacement in Livingston Parish.
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.
2014	**Wax Road Bridge Replacement, Livingston Parish, LA** - Served as a designer during final phase of the design, reviewing horizontal design of the road approaches and drainage design for an existing timber bridge replacement in Livingston Parish.
01/14-12/14	**Old Hammond Highway, 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/East Baton Rouge Parish.
2013	**Plantation Avenue Overlay, Livingston Parish, LA** - Served as a designer during preliminary phase of the design, performing horizontal and vertical design of the road and drainage design through LA DOTD in Livingston Parish.
2013	**Wax Road Overlay, Livingston Parish, LA** - Served as a designer during preliminary phase of the design, performing horizontal and vertical design of the road and drainage design through LA DOTD in Livingston Parish.
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.
2012	**LRA Bridge Replacement**, **Livingston Parish, LA** -Served as the road designer and performed the hydrologic and hydraulic analysis for existing timber bridge replacements in Livingston Parish.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Cheryl A. Taylor (Contract Employee)**	Years of relevant experience with this employer	2	
Title	Designer / CADD Operator / Technician	Years of relevant experience with other employer(s)	39	
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	**Designer / CADD Operator / 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).
	Cheryl has over 40-years of experience as a Designer/CADD Operator/Technician with specialized experience in roadway/bridge projects. Her years in the transportation field have taken her through a variety of tasks and responsibilities including horizontal and vertical geometric calculations; earthwork, drainage, and quantity calculations; drafting plan/profile sheets, typical sections and super elevation diagrams; structural bridge detailing; development of digital terrain models (DTM); etc. A partial listing of LADOTD projects is included below. Her skills include extensive use of computer-aided-drafting (AutoCAD) as well as ink/mylar drafting. Cheryl has broad based experience which includes cartographic drafting, urban & rural drainage systems, urban and rural roadway projects, water systems, wastewater systems, flood studies, etc. Cheryl has also been responsible for developing field codes for use with data collectors. She interpreted and reduced survey data and developed Digital Terrain Models (DTM). Cheryl has worked extensively with large-scale aerial photograph and USGS topographic maps. For the past twenty-four (24) years Cheryl has worked almost exclusively on LADOTD projects. Prior to that, she worked six (6) years as Senior Design Technician for ABMB Engineers. She worked one (1) year as CADD Technician for Evans-Graves Engineers. She worked two (2) years as Senior Design Technician for Professional Engineering Consultants (PEC). She worked two (2) years as Senior Design Technician for Pan American Engineers-Baton Rouge (PAE).
07/23 - Ongoing	**E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA** – Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. LCG.Project No. (PW #1635) One (1) Bridge.
07/23 - Ongoing	**Off-System Highway Bridge Program, Morehouse Parish, LA - Bonne Idee Road Bridge over Bayou Bonne Idee** – Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.014994) One (1) Bridge.
01/23 - Ongoing	**Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA** – Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. One (1) Bridge.
04/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.014990) Two (2) Bridges.
02/23 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek,** – Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.014989) One (1) Bridge.

16. Staff Experience:

Cheryl Taylor - Continued	
01/23 - Ongoing	**Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.014981) One (1) Bridge.
07/22 - Ongoing	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. (FEMA PW 1049) One (1) Bridge.
07/22 - Ongoing	**Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA** - Cheryl was responsible for development of existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. (EBR C.P. Project No. 21-DR-LA-0095) (FEMA-4277-DR-LA, Project #0056) Two (2) Bridges.
07/22 - Ongoing	**Urban Systems Program, City of Walker, Livingston Parish, LA - Aydell Lane Bridge Replacement Over Dumplin Creek** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.015163) One (1) Bridge.
07/22 - Ongoing	**Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.015355) One (1) Bridge.
11/20 - Ongoing	**Off-System Highway Bridge Program, East Baton Rouge Parish, LA- Gurney Road Bridge Over Drainage Canal (Site 1) (Recall No. 800447); Gurney Road Bridge Over Drainage Bayou (Site 2) (Recall No. 800449)** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.014318) Two (2) Bridges.
11/18 - Ongoing	**Off-System Highway Bridge Program, Ouachita Parish, LA - Harmon Johnson Bridge Over Drain to Prairie Bayou (Site 1); Good Hope Bridge Over North Tupawek Bayou (Site 2)** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.013137) Two (2) Bridges.
01/13 – 08/14	**Off-System Highway Bridge Program, Bossier Parish, LA - Koran Doyline Road Over Clarke Bayou** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#(H.009945) One (1) Bridge.
03/05 – 01/09	**Off-System Bridge Rehabilitation and Replacement Program, Bossier Parish, LA - Crouch Road Bridge Over White Oak Branch; Parks Road Bridge Over Cypress Bayou** - Cheryl was responsible for development of field roll(s), existing cross-sections, existing drainage maps, hydraulic report exhibits, title sheet, typical sections, plan profiles, general bridge plans, template X-sections, etc. S.P.#700-08-0125 Two (2) Bridges.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Warren Donaghey**	Years of relevant experience with this employer	11	
Title	Senior CADD Technician	Years of relevant experience with other employer(s)	14	
Degree(s) / Years / Specialization	A.S. / 1999/ Computer 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	**Designer / CADD Operator / 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).
2020	**LA DOTD, Calcasieu River Bridge Investigation, Lake Charles, LA** – Warren produced CADD as-built drawings of the I-10 bridge over the Calcasieu River at Lake Charles, LA.
07/19-Ongoing	**Caplis Sligo Road Bridge over Red Chute Bayou, Bossier Parish, LA** - Warren developed construction plans for replacement of bridge. New concrete bridge, 200' long, 30' clear roadway with (5) – 40' spans with Type LG-25 girders, pile bents with 24" and 16" PPC piles.
10/19-Ongoing	**Johnson Koran Road Bridge over Foxskin Bayou, Bossier Parish, LA** - Warren developed construction plans for replacement of bridge. New concrete bridge, 140' long, 30' clear roadway with (7) – 20' precast concrete slab spans and precast concrete pile bents with 18" PPC piles.
2019	**LA DOTD, Danziger Bridge Repair, New Orleans, LA** - Warren produced CADD As-built drawings of the Danziger Lift Bridge over the Industrial Canal at New Orleans, LA.
01/17-Ongoing	**LA DOTD Off-System, Linton Road over Black Bayou Reservoir, Bossier Parish, LA** - Warren developed construction plans for replacement of bridge. New cast-in-place concrete bridge, 220' long, 40' clear roadway with (11) – 20' slab spans and pile bents with 24" PPC piles. Widened 1,030' of roadway embankment across reservoir, with concrete retaining walls each side.
06/16-02/20	**Sligo Road Bridge over Foxskin Bayou, Bossier Parish, LA** - Warren developed construction plans for replacement of bridge. New concrete bridge, 180' long, 30' clear roadway with (9) – 20' precast concrete slab spans and precast concrete pile bents with 16" PPC piles.
11/15 – 05/17	**Bridge Replacement on Blanchard-Furrh Road, Caddo Parish, LA** - Warren developed construction plans for replacement of bridge over Shettleworth Bayou and Piney Bayou. Each bridge is 100' long, 28' clear roadway, with (5)-20' precast concrete slab spans and precast concrete pile bents with 16" PPC piles.
02/15 – 09/15	**Westdale Road Bridge over Bayou Pierre, DeSoto Parish, LA** - Warren provided engineering support for a bridge repair. Project included the scanning, inspection, and analysis for the rehabilitation of the bridge. The project was governed by the current edition of the LA DOTD Standard Specifications for Roads and Bridges.

16. Staff Experience:

Warren Donaghey - Continued	
06/12 – 02/14	**LA DOTD, I-220 Bridge Widening over Russell Road, Caddo Parish, LA** - Warren developed construction plans for widening of two bridges (eastbound and westbound). Each bridge with steel plate girders, with (2)-89' spans, (1)-142'-6" center span, new column bents with 66" drilled shafts, extended end bents with 36" drilled shafts. Widened/replaced total width of 26'-6" for each bridge, for 53'-6" total clear roadway for each bridge.
02/10 – 06/12	**LA DOTD Off-System, Murphy Street Bridge Over KCS Railroad, Caddo Parish, LA** - Warren developed construction plans for replacement of city street bridge over railroad tracks. One four (4) lane bridge with sidewalks, 257' long with steel beam girders, (2) – 77' spans, (1) –103' center span, 52' clear roadway, pile bents with 24" and 30" PPC piles, "pile bent" with 36" drilled shafts.
2001 – 2013	**LA DOTD SP 455-09-003, I-49 North Segment I, LA 1 to LA 173, Caddo Parish, LA** - Warren served as Senior Designer for the firm's portion of this interstate extension to the Arkansas state line. Design included geometric design, drainage design, and construction plan design.
2011 – 2013	**SP 102-02-0031, Bayou Pierre Bridge Widening, LA 511 (70th St.), Caddo Parish, LA** - Warren provided design services for 175' long (7) -25' concrete slab spans, widened 6'-6" each side plus 5'-6" sidewalk, extended pile bents with additional PPC piles each side.
2010	**Poole Road Bridge Over Flat River, Bossier Parish, LA** - Warren developed construction plans for replacement of bridge. 262'-6" long, (2)-65'-6" spans with Type III girder, (1)-131-6" center span with Type BT-72 girders, 28' clear roadway, pile bents with 30" and 16" piles.
2005 – 2006	**LA DOTD, JCT. LA 822 – Dubach – Route 167, Lincoln Parish, LA** - Warren developed construction plans for bridges. LA DOTD – Design services for the reconstruction of a portion of US 167 and the replacement of two existing bridges. Main channel bridge–225m long, (15) – 15m spans, Type II PPC girders, 12m clear roadway, and pile bents with 750mm PPC piles. Relief Bridge – 90m long, (6) – 15m spans, Type II PPC girders, 12m clear roadway, and pile bents with 600mm PPC piles.
12/01 – 10/04	**LA DOTD Industrial Loop Overpass, Inner Loop Expressway (LA 3132), Caddo Parish, LA** - Warren developed construction plans for extension of the Inner Loop. Included two bridges (eastbound and westbound), each 655'-6" long, (8) – 65'-6" spans with Type III girders, (1) – 131'-6" span with Type BT-72 girders, 40' clear roadway, pile bents with 24" PPC piles, column bents each side of 131' 6" span.
1999 – 2001	**SP 034-05-0027, Front Street Restoration, Natchitoches Parish, LA** - Warren served as designer for six city blocks (0.242 miles) of brick-surfaced streets were rehabilitated in Natchitoches, LA. The project included hand removing all the approximately 300,000 roadway bricks, cleaning them, installing new underground drainage, a new stone base course and concrete pavement, replacing the pre-existing bricks on top of the concrete pavement, adding cross-walks across Front Street and on the side streets, and making all sidewalks ADA compliant. Despite several obstacles, including Hurricane Gustav, the entire Front Street project was completed in the original contract time of 240 calendar days.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Bradley S. Holleman, P.L.S., P.E.**	Years of relevant experience with this employer	4	
Title	Senior Vice President, Survey/AMM	Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization	BSCE / 2009 / Civil Engineering with Minor in Land Surveying			
Active registration number / state / expiration date	PLS 5082 / LA / 09/30/2026; PE 47165 / LA / 03/31/2025			
Year registered	2012	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities	**Supervising Surveying Professional: Meets MPR 4**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/19-Ongoing	**H.011670- I-10/Loyola Interchange Improvements, Kenner, LA**- Surveyor-in-Charge/Principal-in-Charge providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all Survey work. Mr. Holleman originally managed SJB Group's portion of the Survey, and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.
01/21 -Ongoing	**H.014219, H.014222, H.014231, H.0142636, H.014228 – Rural Bridge Replacement Initiative Phase II; 5 State Project Numbers (20 Structures) in Districts 04 and 05** - Surveyor-in-Charge providing topographic surveying services and right-of-way mapping services of 20 bridges in Louisiana. PLS performing property surveys and establishing existing right-of-way for 5 state project numbers.
01/21-04/23	**H.011684 LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974- Task Order 5)** - Principal-in-Charge for a topographic survey and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. Terrestrial LiDAR was utilized on all busy roadways as a means to obtaining topographic data without endangering surveyors. Principal-in-Charge for property surveys, establishing existing property lines and title take-offs for LA DOTD.
11/19-12/20	**H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA** - Surveyor to provide Mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
12/19 – 11/20	**H.001344 US 190: LA 437 – US 190 (BUS)** - Surveyor-in-Charge for the property survey, title take-offs and right of way map. This project was for the construction of improvements along US 190 from La 437 to US 190 (BUS). The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
11/19	**IDIQ Contract No. 4400015237 Calcasieu River Bridge (HBI), Calcasieu Parish, LA** - Surveyor-in-Charge for this project providing topographic surveying services. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. Forte and Tablada completed laser scanning services for much of the corridor as a means of obtaining topographic data without endangering surveyors.

16. Staff Experience:

Brad Holleman, P.L.S., P.E. - Continued	
01/18 – 04/20	**H.004100 I-10: LA 415 to Essen Lane, East Baton Rouge Parish, LA** - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
02/20 – 06/20	**H.000284 US 90 Pearl River Bridges, Pearl River, LA** - Surveyor-in-Charge for the 3D Mobile laser scanning. This project was for the design of improvements to US 90 over Pearl River tributaries. The work consisted of completing mobile lidar scan and delivering a point cloud for DOTD use and extraction.
04/20 – 11/20	**H.000688 US 11 Norfolk Southern RR Overpass,** Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the design of a new US 11 overpass over Norfolk Southern Railroad. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
06/20 – 12/20	**4400017597 DOTD Rural Bridge Replacement, Statewide, LA** - Surveyor-in-Charge for the topographic survey. This project was for design of multiple bridge replacements throughout south Louisiana. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
05/18 – 04/19	**H.012591 I-10 Paris Road Lake Pontchartrain, New Orleans, LA** - Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
01/19 – 04/19	**H.012735 LA 182 Barrow Street Bridge, Houma, LA** - Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of a new bridge on La 182 in Houma. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
04/17 – 10/19	**H.002151 LA 339 and LA 339S Bayou Parc, LA DOTD -South Louisiana Survey Retainer** – Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a bridge replacement and improvements along LA 339. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
05/18 – 11/18	**I-10: Loyola Interchange Improvements, New Orleans, LA** - Surveyor-in-Charge for the control survey, utility survey and 3D mobile laser scanning. This project was for the design of new exit for the New Orleans Airport. The work consisted of completing a utility and control survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths that fell within the survey limits.
06/16 – 02/17	**H.000263 Chef Menteur Pass Bridge** - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
03/12 – 11/12	**H.0023586 LA16 at LA 22 Roundabout, Livingston Parish, LA DOTD-South Louisiana Survey Retainer** – Surveyor-in-Charge for the property survey and right of way map. This project was for a the construction of a roundabout at the intersection of La 22 and La 16. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Ross Wilson, P.L.S.**	Years of relevant experience with this employer	13	
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization	BS / 2010 / Geomatics			
Active registration number / state / expiration date	PLS 5148 / LA / 03/31/2026; Also Registered PLS in TX, MS, AR, FL, KY, TN			
Year registered	2015	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities	**Professional Land Surveyor**			

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).
Mr. Wilson has 12 years of experience of managing field crews and office work on both on and off-system LADOTD Topographic Surveys, with 9 years being the Professional Surveyor-in-Charge on these projects. Mr. Wilson has successfully managed 31 task orders under 5 separate Topographic and Right-of-Way IDIQ Contracts with LADOTD. Mr. Wilson will serve as Survey Manager during this contract, and in that role he will supervise all topographic field and office work performed on the contract.	
12/2024-Ongoing	**H.016311, H.016312, and H.016332 – Bridge Surveys for Culvert Replacements; 3 State Project numbers (7 Bridge Sites) in Districts 04 and 03 (4400021974- Task Orders 10, 11, and 12)** - Surveyor-in-Charge for topographic surveying for bridge sites that are to be replaced with culverts.
06/21-Ongoing	**H.014219, H.014222, H.014228, H.014231 and H.014236 – Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336)** - Surveyor-in-Charge for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.
08/23 – Ongoing	**H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029)**– Surveyor-in-Charge for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.
01/23-10/24	**H.015355 Urban Systems Project-West Colyell Creek Bridge (on Burgess Road), Livingston Parish, LA**- Survey Manager responsible for topographic and property survey to establish existing right-of-way.
03/2024-04/2024	**H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA** - Surveyor-in-Charge to provide topographic surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. In addition to Conventional Topographic survey, Hydrographic survey of the Bayou was included. The bridge deck features and substructures were scanned through terrestrial LiDAR methods. Due to the emergency status of the project, the project was completed in a condensed timeline.
03/23 –08/23	**Wildwood Drive over Beaver Creek Bridge Replacement, Livingston Parish, LA** – Survey Manager providing topographic surveying and Right-of-Way services for the Wildwood Drive bridge replacement in Livingston Parish.
08/23	**H.014994 Bonne Idee Rd. Over Bayou Bonne Idee, Morehouse Parish, LA** – Survey Manager for Off-System Bridge site, providing Topographic services and establishing right-of-way.

16. Staff Experience:

Ross Wilson, P.L.S. - Continued	
08/23	**H.014994 Bonne Idee Rd. Over Bayou Bonne Idee, Morehouse Parish, LA** – Survey Manager for Off-System Bridge site, providing Topographic services and establishing right-of-way.
01/23 - 04/23	**H.014989 - Neff Lane over Wind Creek, East Baton Rouge Parish, LA** – Survey Manager responsible for topographic and property survey to establish existing right-of-way for Off-System Bridge project.
02/23 - 03/23	**E. Achord Road Bridge Replacement, East Baton Rouge Parish, LA** – Survey Manager responsible for topographic and property survey to establish existing right-of-way.
01/23 - 02/23	**Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA** – Survey Manager responsible for topographic and property survey to establish existing right-of-way.
05/21 – 12/22	**H.003931- Calcasieu River Bridge (HBI) – Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4)** – Surveyor-in-Charge for this project providing topographic survey and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. The Survey also included Multibeam Hydrographic survey of Lake Charles, Terrestrial LiDAR scanning of bridge substructures, and Mobile LiDAR scanning services for much of the corridor.
06/20-3/22	**H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598)** – Surveyor-in-Charge for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.
01/12-12/20	**H.012308- Cook Road Improvements, Livingston Parish, LA** – Survey Manager for Topographic and Right-of-Way surveys for this project that designed improvements to an existing section of two lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges.
12/19-09/20	**H.011970- Bayou Terrebonne Bridges, Terrebonne Parish, LA (4400010587- Task Order 9)** – Surveyor-in-Charge for the topographic survey of the Bayou Terrebonne bridges and surrounding area, at the intersection of LA 182 and Bayou Terrebonne. The survey included hydrographic survey of the Bayou, and terrestrial LiDAR scanning of all bridge and roadway features.
05/17-10/18	**H.004791.5 Belle Chasse Bridge and Tunnel (HBI)- Plaquemines Parish, LA (4400009387- Task Orders 2 and 5)** - Surveyor-in-Charge for comprehensive topographic surveying and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway, bridge and tunnel features, and multi-beam hydrographic surveying of the Algiers Canal and exterior features of the existing tunnel.
02/17-03/18	**H.010753.5 US 90 / I-310 Interchange, St. Charles Parish, LA (4400009387- Task Orders 1 and 3)** - Surveyor-in-Charge responsible for topographic surveying and drainage mapping of approximately 2 miles along US-90 and the area of the US 90/I-310 Interchange in St. Charles Parish. Terrestrial LiDAR was utilized on all busy roadways and overpasses as a means to obtaining topographic data without endangering surveyors.
09/17-10/17	**H.013166 Whittington Road Bridge Replacement, Livingston Parish, LA** - Surveyor-in-Charge for Off-System Bridge site, providing Topographic and property survey to establish apparent right-of-way.
03/13-07/15	**H.004698 – Almonaster Avenue Lift Bridge – Orleans Parish, LA** – Survey Manager responsible for performing topographic and property surveys, developing a drainage map, establishing existing right-of-way.
10/13-10/14	**H.002365.5 – LA 63: Bridges near Bluff Creek – East Feliciana Parish, LA (4400004591; 4400009387- Task Order 4)** – Survey Manager providing topographic surveys for 3 bridge replacements along LA 63.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Rachel Waldroup, P.L.S.**		Years of relevant experience with this employer	9
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2020 / Environmental Science; AAS / 2015 / Civil Surveying and Mapping Technology			
Active registration number / state / expiration date	PLS 5277 / LA / 09/30/2026			
Year registered	2022	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities	**Professional Land Surveyor**			

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).
05/21 – 12/22	**H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4)** – Survey CAD Technician and PLS for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
08/15 – Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA – LA DOTD** – Survey CAD Technician and PLS responsible for providing topographic, terrestrial LiDAR scanning, and property 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. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines.
06/21 – Ongoing	**H.014219, H.014222, H.014228, H.014231 and H.014236 – Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336)** – Survey CAD Technician and PLS for topographic surveying and right-of-way mapping services.
09/21 – Ongoing	**IDIQ Contract No. 4400021532 for Professional Surveying Services, Statewide with Majority of Work in Districts 03 and 07** – PLS performing property surveys, establishing existing right-of-way, right-of-way maps and title take-offs for LA DOTD.
08/23 – Ongoing	**H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029)**– Surveyor for topographic surveying and right-of-way mapping services.
08/20 – 03/22	**H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598)**– Survey CAD Technician for topographic surveying and right-of-way mapping services.
08/19 – Ongoing	**H.011670- I-10/Loyola Interchange Improvements, Kenner, LA**- Survey CAD Technician providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all Survey work.

16. Staff Experience:

Rachel Waldroup, P.L.S. - Continued	
01/18 – 6/19	**H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes- LA DOTD (4400012323)** - Survey CAD Technician for for topographic survey, and terrestrial LiDAR survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to 5 Survey Crews to meet phased deadlines.
11/18 – 04/19	**H.011684 LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974- Task Order 5)** - CAD Technician for a topographic and LiDAR survey, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30.
04/21 – 06/21	**H.014628- LA 397: Turn Lanes at Rice Mill, Calcasieu Parish, LA (4400010587- Task Order 17)** - Survey CAD Technician responsible for topographic surveying at the intersection of LA 397 and Joe Spears Rd.
10/22 -12/22	**Lafayette Streetscape Survey- Congress Street, Lafayette Parish, LA** – Survey CAD Technician providing topographic survey, mobile LiDAR, and property survey for approximately a mile of roadway along Congress Street.
03/21 – 12/21	**MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement, East Baton Rouge Parish, LA** – Survey CAD Technician for this project providing topographic surveying, mobile LiDAR, and drainage mapping services. This project is in a dense urban area and is approximately 4 miles long.
6/15-5/16	**H.011825 Buddy Ellis Road Overlay and Bridge Replacement, Livingston Parish LA** - Survey CAD Technician for Topographic and Utility Survey of Forrest Delatte Rd. from LA 1026 to 447, for approximately 3.5 miles. The project was for roadway improvements and a bridge replacement.
09/17-07/18	**Dunn Road Improvement, Livingston Parish, LA** - Survey CAD Technician for Topographic survey from Lockhart Rd. to Arnold Rd for approximately 2.8 miles.
6/15-4/16	**Forrest Delatte Rd., Livingston Parish LA**- Survey CAD Technician for Topographic and Utility Survey of Forrest Delatte Rd. from LA 16 to LA 1026, for approximately 1.786 miles. The project was for roadway improvements and a bridge replacement.
3/15-8/15	**H.011528 Travis Street and George Mashon Road Bridge Replacement, Livingston Parish, LA** - Survey CAD Technician for Surveys of George Mashon and Travis Street for the Topographic Survey and Right-of-Way mapping.

16. Staff Experience:

Firm employed by	C-K Associates, L.L.C.			
Name	**Olivia Barry**	Years of relevant experience with this employer	5	
Title	Environmental Professional	Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization	BS / 2015 / Natural Resource Ecology and Management			
Active registration number / state / expiration date	N/A			
Year registered	N/A	Discipline	Environmental	
Contract role(s) / brief description of responsibilities	**Environmental Professional**			
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).			
Ms. Barry has worked on and managed a variety of projects throughout the Gulf Coast area and has experience in wetland delineations/jurisdictional determination requests, LDNR Coastal Use Permitting, USACE Section 10/404/408 permitting, restoration monitoring, and protected species surveys and monitoring. She has completed a Basic Wetland Delineation class conducted by the Richard Chinn Environmental Training and wetland plant identification courses offered by Dr. Charles Allen. Ms. Barry fulfills the Minimum Personnel Requirement for an Environmental Professional with a minimum of five years' experience in wetland delineation and will assume the role of Wetland Environmental Professional for the Wetland Studies component of the project.				
09/24-present	**F.19002535 – Strategic Capital Plan – Deferred Maintenance for Infrastructure, Renovations, and Streets, LSU:** C-K Associates is a subconsultant to Forte & Tablada, Inc. on this project. C-K is responsible for the Wetland Studies project phase, Jurisdictional Determination Request to USACE, threatened and endangered (T&E) species assessment, and subsequent Section 10/404 USACE permitting efforts. Ms. Barry serves as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report, along with the T&E species assessment. Additionally, Ms. Barry will act as agent for any Section 10/404 permitting efforts.			
09/24-11/24	**H.015163: Off-system Highway Bridge Program, Aydell Lane Bridge Over Dumplin Creek:** C-K Associates was a subconsultant to Forte & Tablada, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and the U.S. Fish and Wildlife Services Biological Assessment (BA) Report. Ms. Barry assisted with the development of the Wetlands Findings Report and BA Report.			
10/21-01/22	**H. 014261: Off-system Highway Bridge Program, Doshie Road Bridge Over Cherry Winche Creek Tributary:** C-K Associates was a subconsultant to Boyd Holmes Engineering, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.			
03/22-06/22	**H. 014318: Off-system Highway Bridge Program, Gurney Road Bridge Over Drainage Canal Sites 1 & 2:** C-K Associates was a subconsultant to Boyd Holmes Engineering, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.			

16. Staff Experience:

Olivia Barry - Continued	
05/21-08/21	**H. 014223: Off-system Highway Bridge Program, Camile Road/Bayou Grand Marais:** C-K Associates was a subconsultant to Boyd Holmes Engineering, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
05/22-07/24	**Garrie-Cut Off Bridge Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and Section 404/10 USACE permitting phase. Ms. Barry served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report and as the agent responsible for facilitating permit application, review, and issuance with USACE.
02/23-10/23	**Big Woods-Starks Road Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and Section 404/10 USACE permitting phase. Ms. Barry served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report and as the agent responsible for facilitating permit application, review, and issuance with USACE.
04/22-06/22	**H. 014337: Off-system Highway Bridge Program, Acadian Hills Lane Over Drainage Canal:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
12/21-03/22	**H.014235.5: Off-system Highway Bridge Program, West Racca Rd/East Grand Marais Ditch Bridge:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
02/22-05/22	**H.014273: Off-system Highway Bridge Program, Monroe Fabre Road/Bayou Des Glaises bridge:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Barry served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.

16. Staff Experience:

Firm employed by	C-K Associates, L.L.C.			
Name	**Taylor Honigman**	Years of relevant experience with this employer	3.5	
Title	Biologist/Wetlands	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization	BS / 2019 / Natural Resource Ecology and Management MS / 2021 / Renewable Natural Resources			
Active registration number / state / expiration date	N/A			
Year registered	N/A	Discipline	Environmental	
Contract role(s) / brief description of responsibilities	**Biologist/Wetlands**			

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).
Ms. Honigman has experience across the Gulf Coast area conducting wetland delineations/jurisdictional determination requests, threatened and endangered species surveys and restoration project monitoring. She has completed a Basic Wetland Delineation class conducted by the Wetland Training Institute and wetland plant identification courses offered by Dr. Charles Allen. Ms. Honigman will assume the role of Biologist for the Wetland Studies component of the project.	
09/24-present	**F.19002535 – Strategic Capital Plan – Deferred Maintenance for Infrastructure, Renovations, and Streets, LSU:** C-K Associates is a subconsultant to Forte & Tablada, Inc. on this project. C-K is responsible for the Wetland Studies project phase, Jurisdictional Determination Request to USACE, threatened and endangered (T&E) species assessment, and subsequent Section 10/404 USACE permitting efforts. Ms. Honigman assisted with developing the Wetlands Findings Report, along with the T&E species assessment. Additionally, Ms. Honigman will assist with any Section 10/404 permitting efforts.
09/24-11/24	**H.015163: Off-system Highway Bridge Program, Aydell Lane Bridge Over Dumplin Creek:** C-K Associates was a subconsultant to Forte & Tablada, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and the U.S. Fish and Wildlife Services Biological Assessment (BA) Report. Ms. Honigman served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and conducting the BA. She developed the Wetlands Findings Report and the BA Report.
10/21-01/22	**H. 014261: Off-system Highway Bridge Program, Doshie Road Bridge Over Cherry Winche Creek Tributary:** C-K Associates was a subconsultant to Boyd Holmes Engineering, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Honigman served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
03/22-06/22	**H. 014318: Off-system Highway Bridge Program, Gurney Road Bridge Over Drainage Canal Sites 1 & 2:** C-K Associates was a subconsultant to Boyd Holmes Engineering, Inc. on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Honigman served as a Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.

16. Staff Experience:

Taylor Honigman - Continued	
08/24-10/24	**H.014988: Off-system Highway Bridge Program, Carey Road Bridge Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
08/24-10/24	**H.014978: Off-system Highway Bridge Program, Bellard Loop Bridge Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
05/22-07/24	**Garrie-Cut Off Bridge Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and Section 404/10 USACE permitting phase. Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
02/23-10/23	**Big Woods-Starks Road Replacement Project:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase and Section 404/10 USACE permitting phase. Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
12/21-03/22	**H.014235.5: Off-system Highway Bridge Program, West Racca Rd/East Grand Marais Ditch Bridge:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.
02/22-05/22	**H.014273: Off-system Highway Bridge Program, Monroe Fabre Road/Bayou Des Glaises Bridge:** C-K Associates was a subconsultant to an engineering firm on this bridge design and replacement project. C-K was responsible for the Wetland Studies project phase. Ms. Honigman served as the Field Biologist responsible for identifying wetlands, mapping wetlands, collecting all necessary wetland data and developing the Wetlands Findings Report.

SECTION 17

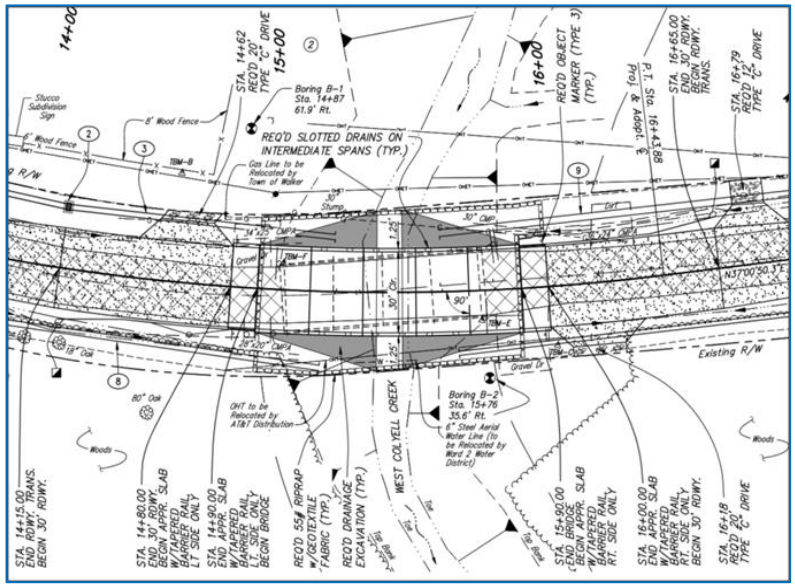
FORTE & TABLADA

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	**Urban Systems Project - West Colyell Creek Bridge (On Burgess Road)**	Firm responsibility (prime or sub?)	Prime
Project number	H.015355	Owner's name	Livingston Parish Government
Project location	Livingston Parish, LA	Owner's Project Manager	Robert Dugas
Owner's address, phone, email		20399 Government Blvd, Livingston, LA 70754, (225) 686-4431, rdugas@lpgov.com	
Services commenced by this firm (mm/yy)	01/20	Total consultant contract cost ($1,000's)	$442.6
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$360.3

Forte and Tablada provided surveying, engineering, hydraulic analysis, utility relocation, and construction related services required for the replacement of a 2-lane, 4-span timber bridge in Livingston Parish. The existing bridge on Burgess Road over W. Colyell Creek was replaced with a 30-foot wide curved slab span bridge with 18 inch piles. This work included the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating for a Curved Bridge
- Geotechnical Services
- Wetlands/Environmental Services
- Property Surveys
- Construction Phase Services



West Colyell Creek Bridge (On Burgess Road) designed by Forte and Tablada

Project Team:

Adrian Boyd Holmes, P.E. - Project Manager
Joffrey Easley, P.E. – Structural Project Manager
Ross Wilson, P.L.S. – Survey Manager
Nick Falgout, P.E. - Project Engineer
Cheryl Taylor – Sr. Designer / CADD Operator
Janice P. Williams, P.E., QA/QC

17. Firm Experience:

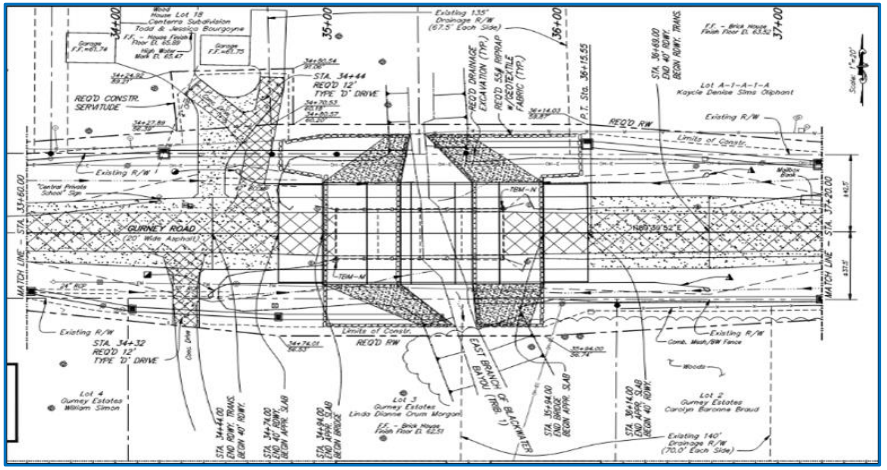
Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	**Off-System Highway Bridge - Gurney Road Bridges (Sites 1 & 2)**	Firm responsibility (prime or sub?)	Prime
Project number	H.014318	Owner's name	LADOTD
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Barbara.Ostuno, P.E.
Owner's address, phone, email		P.O. Box 94245, Baton Rouge, LA 70804-9245, (225) 379-1047, Barbara.Ostuno@la.gov	
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)	$195.5
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$172.6

Forte and Tablada provided surveying, engineering, hydraulic analysis, and environmental related services required for the replacement of two 2-lane, 2-span and 4-span concrete bridges on Gurney Road in East Baton Rouge Parish. The existing bridges on Gurney Road are to be replaced with a 3-span and 5-span, 40-foot wide concrete slab-span bridge with 7' wide 8" Tall raised concrete sidewalks. The bridges will be 60 and 100 foot long and will utilize 20-foot long approach slabs on each end of the bridges. This work included the following tasks:

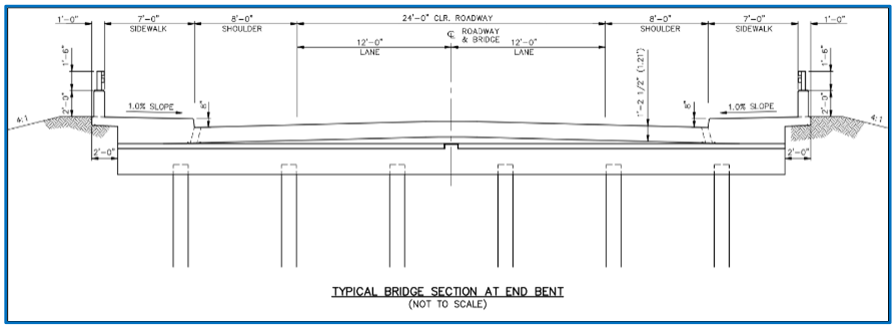
- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating Slab-Span Bridges
- Wetlands/Environmental Services

Project Team:

Adrian Boyd Holmes, P.E. - Project Manager
Joffrey Easley, P.E. – Structural Project Manager
Levi Yantis, P.E. – Structural Project Engineer
Nick Falgout, P.E. - Project Engineer
Cheryl Taylor – Sr. Designer / CADD Operator
Janice P. Williams, P. E., QA/QC



Gurney Road Bridge (Site 1) Plan designed by Forte and Tablada



Gurney Road Bridges (Sites 1 & 2) Typical Section designed by Forte and Tablada

17. Firm Experience:

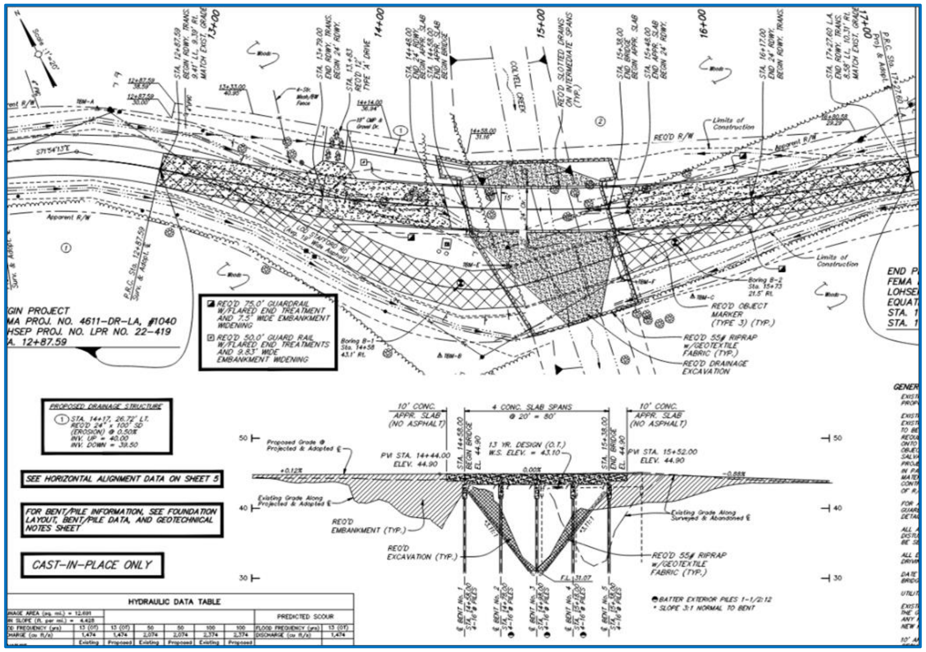
Firm name	FORTE & TABLADA Forte and Tablada, Inc.	Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	**Lod Stafford Road Bridge Over Colyell Creek**	Firm responsibility (prime or sub?)	Prime
Project number	FEMA PW 1049	Owner's name	Livingston Homeland Security and Emergency Preparedness
Project location	Livingston Parish, LA	Owner's Project Manager	Shannon Dyer
Owner's address, phone, email		20355 Government Blvd., Suite D, Livingston, LA 70754, (225) 686-3066, depdirector.eoc@livingstonparishla.gov	
Services commenced by this firm (mm/yy)	02/22	Total consultant contract cost ($1,000's)	$607.2
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$505.7

Forte and Tablada provided surveying, engineering, hydraulic analysis, environmental, utility relocation, and construction related services required for the replacement of a 2-lane, 3-span timber bridge in Livingston Parish. The existing bridge on Lod Stafford Road over Colyell Creek is being replaced with a 24-foot wide 4-span curved & skewed slab span bridge with 16 inch piles. This work included the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating for a Curved Skewed Bridge
- Geotechnical Services
- Wetlands/Environmental Services
- Property Surveys & ROW Maps

Project Team:

Adrian Boyd Holmes, P.E. - Project Manager
Joffrey Easley, P.E. – Structural Project Manager
Levi Yantis, P.E. – Structural Project Engineer
Ross Wilson, P.L.S. – Survey Manager
Nick Falgout, P.E. - Project Engineer
Cheryl Taylor – Sr. Designer / CADD Operator
Janice P. Williams, P. E., QA/QC



Lod Stafford Road Bridge Over Colyell Creek designed by Forte and Tablada

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	**Off-System Bridge Replacements George Mashon Rd. and Travis St.**		Firm responsibility (prime or sub?)	Prime
Project number	H.021528	Owner's name	Livingston Parish	
Project location	Livingston Parish, LA	Owner's Project Manager	Sam Digirolamo	
Owner's address, phone, email		20399 Government Blvd, Livingston, LA 70754, 225-686-3062, sdigirolamo@lpgov.com		
Services commenced by this firm (mm/yy)	04/15	Total consultant contract cost ($1,000's)		$300.5
Services completed by this firm (mm/yy)	10/20	Cost of consultant services provided by this firm ($1,000's)		$284.0

Forte and Tablada provided surveying, engineering, and hydraulic analysis services required for the replacement of two timber bridges in Livingston Parish. The existing bridge on George Mashon Road over the Little Natalbany River was replaced with a curved slab span bridge, while the Travis Street over Dumplin Creek bridge was replaced with concrete box culverts. This work included the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating for a Curved Bridge
- Geotechnical Services
- Wetlands/Environmental Services
- Property Surveys ROW Agreements
- Construction Phase Services

Project Team:

Joffrey Easley, P.E. – Project Manager
Tyler Branch, P.E. – Roadway Engineer
Levi Yantis, P.E. - Bridge Engineer
Rachel Waldroup, P.L.S. - Survey CAD Tech

George Mashon Road Bridge over Little Natalbany River

17. Firm Experience:

Firm name	FORTE & TABLADA Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	**Off-System Bridge Replacements Whittington Rd over Grays Creek**		Firm responsibility (prime or sub?)	Prime
Project number	H.016166	Owner's name	Livingston Parish	
Project location	Livingston Parish, LA	Owner's Project Manager	Sam Digirolamo	
Owner's address, phone, email		20399 Government Blvd, Livingston, LA 70754, 225-686-3062, sdigirolamo@lpgov.com		
Services commenced by this firm (mm/yy)	07/17	Total consultant contract cost ($1,000's)		$176.2
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm ($1,000's)		$134.4

Forte and Tablada provided surveying, engineering, and hydraulic analysis services required for the replacement of this timber bridge in Livingston Parish. The existing timber bridge on Whittington Road over Grays Creek was replaced with a six-span concrete slab span bridge. As this road is the only access to dozens of homes and a temporary crossing was not feasible due to site constraints, a temporary access road was constructed to provide access to the residents while the bridge was out of service. This required an agreement between the landowners and the Parish, which was facilitated by Forte and Tablada. This work included the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Wetlands/Environmental Services
- Property Surveys and ROW Agreements
- Construction Phase Services

Whittington Road Bridge over Grays Creek

Project Team:

Joffrey Easley, P.E, Project Manager
Tyler Branch, P.E., Roadway Engineer
Levi Yantis, P.E, Bridge Engineer
Ross Wilson, P.L.S., Topographic Survey

17. Firm Experience:

Firm name	C-K Associates, L.L.C.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	**Aydell Lane Bridge Over Dumplin Creek**		Firm responsibility (prime or sub?)	Sub
Project number	H.015163	Owner's name	LADOTD	
Project location	Livingston Parish	Owner's Project Manager	Barbara Ostuno	
Owner's address, phone, email		1201 Capital Access Road Baton Rouge, LA 70802, Barbara.Ostuno@la.gov, 225-379-1047		
Services commenced by this firm (mm/yy)	09/24	Total consultant contract cost ($1,000's)		$Unknown
Services completed by this firm (mm/yy)	11/24	Cost of consultant services provided by this firm ($1,000's)		$3.5

CK Associates served as a subconsultant to complete the Wetland Studies project phase and listed threatened & endangered (T&E) species assessment for the Aydell Lane Bridge project located in Walker, Livingston Parish, Louisiana. A wetland delineation was conducted in accordance with the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual and associated regional supplement. The fieldwork for the delineation consisted of a pedestrian survey of the project area for evaluation of three mandatory technical criteria for determining the presence of a wetland, which are, with exceptions, 1) prevalence of hydrophytic vegetation, 2) wetland hydrology, and 3) hydric soils. Following the completion of the fieldwork, CK developed a report that detailed the analysis of the investigation including USACE-approved data forms, maps with wetlands and other waters boundaries, and digital photographic documentation. The T&E species assessment was completed in conjunction with the wetland delineation and CK provided a report summarizing the findings and recommendations for the site.

Project Team:

Olivia Barry
Taylor Honigman
Claire Odenweller

17. Firm Experience:

Firm name	C-K Associates, L.L.C.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	**Doshie Road Bridge Over Cherry Winche Creek Tributary**		Firm responsibility (prime or sub?)	Sub
Project number	H. 014261	Owner's name	LADOTD	
Project location	Rapides Parish	Owner's Project Manager	Barbara Ostuno	
Owner's address, phone, email		1201 Capital Access Road Baton Rouge, LA 70802, Barbara.Ostuno@la.gov, 225-379-1047		
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost ($1,000's)	$Unknown	
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)	$3.5	

CK Associates served as a subconsultant to complete the Wetland Studies project phase for the proposed Doshie Road Bridge replacement in Glenmora, Louisiana in Rapides Parish. A wetland delineation was conducted in accordance with the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual and associated regional supplement. The fieldwork for the delineation consisted of a pedestrian survey of the project area for evaluation of three mandatory technical criteria for determining the presence of a wetland, which are, with exceptions: 1) prevalence of hydrophytic vegetation; 2) wetland hydrology; and 3) hydric soils. Following the completion of the field work, CK developed a report that detailed the analysis of the investigation including USACE-approved data forms, maps with wetlands and other waters boundaries, and digital photographic documentation.

Project Team:

Olivia Barry
Taylor Turner Honigman
Brian Newman

17. Firm Experience:

Firm name	C-K Associates, L.L.C.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	**Gurney Road Bridge Over Drainage Canal Sites 1 & 2**		Firm responsibility (prime or sub?)	Sub
Project number	H. 014318	Owner's name	LADOTD	
Project location	East Baton Rouge Parish	Owner's Project Manager	Barbara Ostuno	
Owner's address, phone, email		1201 Capital Access Road Baton Rouge, LA 70802, Barbara.Ostuno@la.gov, 225-379-1047		
Services commenced by this firm (mm/yy)	03/22	Total consultant contract cost ($1,000's)		$Unknown
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm ($1,000's)		$3.5

CK Associates served as a subconsultant to complete the Wetland Studies project phase for the proposed Gurney Road Bridge Site 1 and 2 replacements in Central, Louisiana in Rapides Parish. A wetland delineation was conducted in accordance with the 1987 US Army Corps of Engineers (USACE) Wetland Delineation Manual and associated regional supplement. The fieldwork for the delineation consisted of a pedestrian survey of the project area for evaluation of three mandatory technical criteria for determining the presence of a wetland, which are, with exceptions: 1) prevalence of hydrophytic vegetation; 2) wetland hydrology; and 3) hydric soils. Following the completion of the fieldwork, CK developed a report that detailed the analysis of the investigation including USACE-approved data forms, maps with wetlands and other waters boundaries, and digital photographic documentation.

Project Team:

Olivia Barry
Taylor Turner Honigman
Brian Newman

SECTION 18

FORTE & TABLADA

18. Approach and Methodology:

FIRM BACKGROUND

Forte and Tablada, Inc. (F&T) was established in 1961 and head-quartered in Baton Rouge, Louisiana with offices in Shreveport, Denham Springs and Gonzales. F&T presently employs twenty-seven registered professional civil engineers with two dually registered as professional land surveyors, two dually registered as environmental engineers, nine civil engineer interns, and seven registered professional land surveyors.

In 2022, F&T, Inc acquired Boyd Holmes Engineering, Inc., (BHE) which has more than twenty (20) years of Off-System Bridge (OB) experience throughout the State of Louisiana. F&T and BHE have a long history of working together and mutual friendships which ultimately culminated in the acquisition. The expanded firm has an impeccable track record for delivering Off-System Bridges for DOTD and municipalities and worked closely together to share knowledge and experience for successful projects. Since the acquisition, the firm principal **Boyd Holmes, P.E.,** serves as a F&T senior project manager and leads a team focused on Off-System Bridge projects. The acquisition allows Boyd Holmes to provide laser focus on delivering projects for DOTD while leveraging a deep bench of administrative and project resources at F&T. He is backed with the experience of other professionals, **Joffrey Easley, P.E.,** and **Levi Yantis, P.E.,** who also have a long history of working with DOTD and the Off-System Bridge program staff. **Nick Falgoust, P.E.** and **Tyler Branch, P.E.** will provide bridge and road design expertise, as well.

The combined F&T/BHE project resumes have provided engineering and design related services for approximately 155 Off-System bridge sites in 40 different parishes throughout the state as part of 55 DOTD and 44 parish/municipal projects. For perspective, of all Off-System Bridge Projects advertised between 2010-2020, BHE submitted on 75 projects and was shortlisted for all 75 projects. Prior to the change from numerical consultant past performance ratings in July 2020, BHE maintained the highest (4.8 on a 5.0 scale) composite Off-System Bridge (OB) Past performance rating in the State of Louisiana. F&T has performed design for projects in Caddo/Bossier Parishes including Hosston River Road Bridge over Kelly Bayou, Koran Doyline Road Over Clarke Bayou, Parks Road Bridge Over Cypress Bayou, and Crouch Road Bridge Over White Oak Branch.

F&T has put together an excellent team that has extensive experience on Off-System Bridge Projects. F&T will provide bridge and road design, topographic surveys, right of way services, hydraulic analysis, and overall coordination with DOTD and the Parish. CK, Associates (CK), our sub-consultant, will provide environmental services.

APPROACH

The existing Ida Missionary Road Bridge Over Nance Branch is a 4-span precast concrete bridge with metal rails on a 2-lane asphalt road with woods located on both sides of the road. The bridge is located approximately 0.8 miles east of the junction with US 71 in a relatively flat area between two horizontal curves. The bridge was built in 1976, is 28' wide x 77' long, and is rated as structurally deficient. The bridge is currently posted with load limitation of 10 Tons and 15 Tons for a Single Unit Vehicle and Combination vehicle, respectively. There are wooded areas upstream and downstream of the bridge and the creek contains debris and standing water, which could cause problems for reinforced concrete box culverts or circular culverts. The Parish's input will be needed to determine the recommended replacement structure. The probable replacement structure will be either a 4 or 5-span slab span bridge or multiple reinforced concrete box culverts, if debris is not a problem. There is an aerial utility crossing on the north side of the bridge that will need to be relocated prior to the bridge reconstruction. There is an overhead electric line on the south side of the bridge. The power line may conflict with pile driving operations for a slab span bridge and would likely conflict with a box culvert structure to be installed at this location. There are no driveways located in the vicinity of the bridge nor its approaches. The bridge can be closed during construction, since there are multiple existing roads that can be used for detour routes.

METHODOLOGY

The general scope of work for the project will consist of performing topographic surveys, right of way services, hydraulic analysis and design, preliminary roadway and bridge design, solicitation of views and categorical exclusion clearance documentation required for environmental clearance, wetlands studies, wetlands permitting, right-of-way maps and agreements for Parish acquisition, and final roadway and bridge design. Detailed descriptions of how the various tasks will be performed and their schedules are described below.

TOPOGRAPHIC SURVEY:

Upon execution of the contract and issuance of the Notice to Proceed (NTP), Boyd Holmes will collect the initial project information (location map, project number request form, traffic counts, and survey field books) from the DOTD Off-System Bridge staff and proceed with data collection for the bridge sites. Prior to performing the on-site topographic survey work, a desktop review of available aerial imagery, street view imagery, property maps and data, topographic maps, elevation data (Light Detection and Ranging [LiDAR] and Digital Elevation Models

18. Approach and Methodology:

[DEM]), and Natural Resource Conservation Service (NRCS) parish soil data will be performed. The information will be used to define drainage areas and flow patterns to identify potential questions to discuss with Parish personnel and local residents familiar with drainage at the bridge sites.

Upon completion of the data collection from the desktop review, Boyd Holmes will coordinate with F&T's survey team leader, Brad Holleman, PLS, to schedule the topographic survey field work. Brad will schedule the field crew, submit utility locate notification requests, and collect and establish GPS survey control information to be used for the horizontal control tied to the Louisiana State Plane Coordinate System in North American Datum (NAD-83) and the vertical control tied to the North American Vertical Datum (NAVD-88). Boyd will also contact Parish personnel to meet at the bridge sites to verify the correct bridges to be replaced and to obtain information to be used to design the replacement structures. Boyd will also contact adjacent property owners to discuss drainage at the bridge sites to determine possible drainage structure alternates based on potential problematic issues such as debris problems, maintenance problems, alignment problems, right-of-way constraints, etc. Boyd will meet with the survey crew to establish horizontal and vertical control points and to layout the survey alignment to be used for data collection and preparation of field rolls. Boyd will take photographs of the roadway, bridge, channel, and other topographic features at the site to be used throughout the project design and permitting processes. The survey crew will survey the roadway and channel in accordance with the latest edition of the DOTD Location and Survey Manual subject to the Off-System Highway Bridge Program survey procedures.

Upon completion of the survey field work, Brad will process the field data and prepare the survey point listings and the CAD drawing files to prepare the topographic field roll drawings. Cheryl Taylor, together with F&T technicians, will then develop the field roll drawings, existing roadway cross- section drawings, existing channel cross-section drawings, existing drainage maps, survey point listing reports, and site photographs with legend. Boyd Holmes will review these drawings and reports for conformance with the Off-System Highway Bridge Program Guidelines and submit them to the DOTD Off-System Bridge staff for review and approval. It is anticipated the topographic survey work will be completed within 30 days of a notice to proceed by DOTD.

RIGHT-OF-WAY SERVICES:

If additional right-of-way is required for this project, title take-offs will be performed. F&T will provide one title take-off for each parcel to expedite commencement of field work for the property survey. Brad will direct his support team for the property survey to perform all investigations, studies, and field work required for the preparation of the base R/W map. He will ensure that the field property survey shall be based on the same survey control as the topographic survey. The property survey plat shall show all surveyed property lines and existing right of way with ties to project centerline. F&T will submit deliverables to the Location and Survey Administrator as required including the following: ASCII file listing coordinates and descriptions of all found monuments, PDF copy of all documents (plats, maps, etc.) used to determine property line locations, PDF copy of title take-offs or title research reports used to determine property line locations, MicroStation DGN file of the Property Survey Plat, and PDF file of the Property Survey Plat.

Base R/W Maps

F&T has an experienced team led by Brad Holleman who are well versed in the preparation of right of way maps in accordance with the Location and Survey Manual Addendum A. The base right of way maps developed by F&T will show the adopted project centerline, all existing R/W, limits of construction, any major improvements located within 50' of any required taking lines, servitudes, or control of access), parcel line locations and ownerships, and required taking lines, with ties to the adopted project centerline. The base maps will also show the approximate area of each required parcel and remaining area. F&T will provide 60% complete base R/W maps for the joint plan review meeting and DOTD review. Revisions recommended by DOTD and the Joint Plan Review meeting, as appropriate, will be incorporated in the final R/W maps.

If, during the project development, it was determined r/w was required but is later determined not to be necessary, we will provide the deliverables as described in the Location and Survey Manual – Addendum A, Section 2-4., "Map Requirements When No Additional Right of Way Required".

The anticipated schedule for delivery of right-of-way maps is contingent upon engineering plan milestones and review time by DOTD. Prior to 100% preliminary construction plans, F&T will submit the property survey for review to DOTD. Boyd and his team will use the existing right-of-way as determined during the property survey phase and proceed with 100% preliminary construction plans. Once these plans are submitted to DOTD for review, Brad and his team will prepare the 60% base maps once issued an NTP. After submittal of the 60% base maps, both teams along with any involved parties

will attend the joint plan review. Any revisions recommended by DOTD and as a result of the JPR will be incorporated into final check prints. After a final review from DOTD and the file number is issued, Brad's team will prepare final right-of-way maps to be plotted on matte film to DOTD standards."

Right-of-way Maps and Agreements for Parish Acquisition

Brad will create right-of-way maps and agreements using the Post Plan-in-Hand drawings. Boyd Holmes will review these maps and agreements for conformance with the Off-System Highway Bridge Program Guidelines and submit them to the DOTD Off-System Bridge staff for use by the Parish to acquire the required right-of-way, drainage servitudes, and construction servitudes. This timeframe will occur simultaneously with the Plan-in-Hand and Post Plan-in-Hand phases of work.

HYDRAULIC ANALYSIS, DESIGN, AND REPORT

After the survey submittal is reviewed and approved, Boyd Holmes will send Notice of Inquiry Letters and Maps to the U.S. Army Corps of Engineers, the NRCS (Soil Conservation Service), the Parish Department of Public Works Office, and the Parish Floodplain Administrator to determine if any of the agencies may have planned or pending projects or developments that could affect the proposed bridge replacement project. Boyd will perform a hydraulic analysis of the existing bridge structure and determine viable drainage structure alternates for replacement. Boyd will contact Parish personnel to discuss the viable drainage structure alternates and the pros and cons of each alternate with regard to potential debris and maintenance issues, alignment issues, access issues to adjacent properties, right-of-way issues and the Parish's ability to acquire additional right-of-way, safety issues, estimated construction cost, and the need for potential design exceptions and/or waivers (if required based on project constraints). Boyd will coordinate with the DOTD Off-System Bridge Manager to discuss the Parish's preferred replacement structure and any potential issues. Boyd will finalize the hydraulic calculations and report based on these discussions. The hydraulic analysis and report for the site will be performed in accordance with the DOTD Hydraulics Manual as modified by the Hydraulic Guidelines for Off-System Bridges. The hydraulic calculations will be performed using the DOTD HYDRWIN Hydraulics Programs and the U.S. Army Corps of Engineers HEC-RAS program to model the water surface profiles along the channel and bridge structures. The hydraulic report and calculations will be submitted to the DOTD Off-System Bridge staff for review and approval by the DOTD Hydraulics Section. It is anticipated the hydraulics study work will be completed within 45 days of a notice to proceed by DOTD.

PRELIMINARY ROADWAY AND BRIDGE DESIGN

Upon approval of the hydraulics report, Boyd Holmes will establish the design criteria for the bridge site using the existing and projected traffic counts, roadway posted speed limit, existing and proposed roadway elements, and consideration of any future roadway or channel improvements. The design criteria will be established using the 2017 DOTD Minimum Design Guidelines, the AASHTO Policy on Geometric Design of Highways and Streets, the DOTD Road Design and Bridge Design Manuals, and the Federal Aid Off-System Highway Bridge Program Guidelines. Boyd will prepare the Design Report documenting the design criteria and identify any elements that require design exceptions or waivers. Boyd will coordinate with Cheryl Taylor or Warren Donaghey to layout the horizontal and vertical alignments for the project using the design structure and the roadway transitions in accordance with the design criteria. Cheryl or Warren will then create digital terrain models using the alignments and the design cross section templates. Cheryl or Warren and Boyd will then establish the limits of construction and required right-of-way for the project. Once set, Cheryl or Warren will prepare the set of preliminary plan drawings consisting of the title sheet with layout map, typical section sheets, plan profile sheets, general bridge plan sheets, roadway and channel cross section sheets, construction signing sheets, and the drainage map. Boyd Holmes will review these drawings for conformance with the Off-System Highway Bridge Program Guidelines and submit them with Constructability/Biddability forms to the DOTD Off-System Bridge staff for review and approval. It is anticipated the preliminary plans will be completed within 60 days of the notice to proceed by DOTD.

SOLICITATION OF VIEWS AND CATEGORICAL EXCLUSION CLEARANCE DOCUMENTATION REQUIRED FOR ENVIRONMENTAL CLEARANCE

After the replacement structure is determined and a plan/profile sheet is created identifying the limits of construction and required right-of-way, Boyd Holmes will coordinate with the DOTD Environmental Section to submit project descriptions and maps to federal, state, and local agencies, organizations, and individuals to inform them of the proposed project and to solicit views for possible adverse economic, social, or environmental effects on local resources. Boyd will collect the comments received and prepare the environmental determine checklist with supporting documentation to obtain environmental categorical exclusion clearance. These documents will be submitted to the DOTD Off-System Bridge staff for review and approval by the DOTD Environmental Section. It is anticipated the time required from submittal of the solicitation of views to submittal of the environmental determine checklist with supporting documentation will be completed within approximately 90 days of a notice to proceed by DOTD. This timeframe will

occur simultaneously with the Plan-in-Hand and Post Plan-in-Hand phases of work.

WETLANDS STUDIES

CK Associates (CK) first approaches wetland delineations with a desktop review of available imagery, topographic maps, elevation data (LIDAR and DEM) and NRCS parish soil data prior to on-site work. Once the limits of construction are provided by Boyd Holmes, CK will mobilize a field crew to perform a transect evaluation of the area to be delineated collecting data on vegetation abundance and species composition, soil characteristics, and the presence or absence of wetland hydrology. CK will conduct the on-site wetland delineation in accordance with the 1987 United States Army Corps of Engineers (USACE) Wetland Delineation Manual, associated regional supplement and recent wetland delineation report requirements. The boundaries of Waters of the U.S., including wetlands, will be mapped using Differential Global Positioning System technology (DGPS), utilizing real-time position corrections resulting in sub-meter accuracy. Data points will be established within dominant plant communities. Data sheets (as approved by the USACE) will be completed at each data point location and will include all information necessary for the USACE to make a preliminary jurisdictional determination (PJD).

Following completion of the field work, CK will prepare a Wetland Finding Report using the latest FHWA criteria with wetland maps, wetland determination data forms (data sheets), and site photographs from our investigation and submit to Boyd Holmes for review. This report will contain all USACE NOD required information and formatting. The Wetland Finding Report will be prepared by Olivia Barry and Taylor Honigman and reviewed by a certified Professional Wetland Scientist (PWS).

Once the limits of construction are provided by Boyd Holmes, CK will initiate the desktop review and schedule the field work within 1 to 2 weeks. Field work is anticipated to take 1 day to complete and the Wetland Findings Report will be provided to Boyd within 1 week following the completion of field work. Boyd will then submit to the USACE the Wetland Findings Report with a request for a preliminary jurisdictional determination. This information will also be submitted to the DOTD Off-System Bridge staff for review and approval by the DOTD Environmental Section as part of the environmental clearance process. This timeframe will occur simultaneously with the Plan-in- Hand and Post Plan-in-Hand phases of work.

WETLANDS PERMITTING

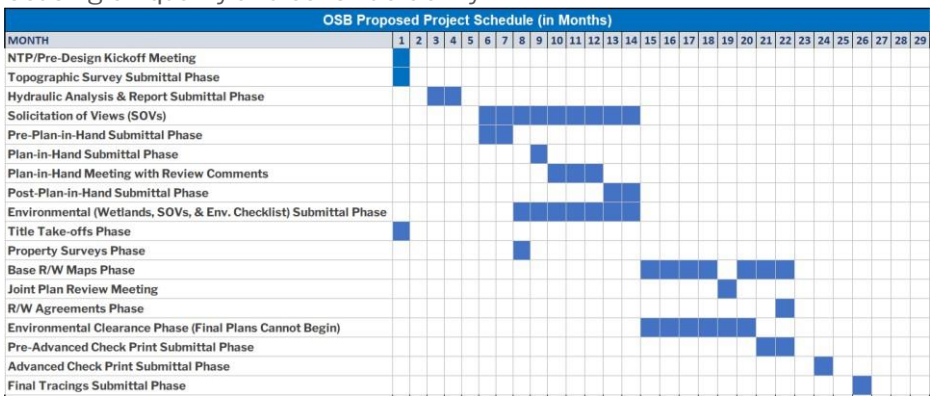
Cheryl Taylor will create wetlands permit drawings using the Post Plan-in- Hand drawings and the boundaries of Waters of the U.S., including wetlands. Boyd Holmes will review these drawings for conformance with the Off-System Highway Bridge Program Guidelines and the USACE requirements and submit them to the DOTD Off-System Bridge staff for use by the DOTD Environmental Section to obtain the USACE permit. This timeframe will occur simultaneously with the Plan-in-Hand and Post Plan-in-Hand phases of work.

FINAL ROADWAY AND BRIDGE DESIGN

Upon receipt of the environmental clearance for the project, Boyd Holmes, Levi Yantis, Nick Falgoust, Joffrey Easley, Tyler Branch, Cheryl Taylor, and Warren Donaghey will prepare the Final Plans for the project, which will include the summary of estimated quantities, standard plans and details, and special plans and details specific to the project sites. Joffrey will provide the structural design, calculations, and bridge load ratings for the structures that require special designs. Boyd and Joffrey will review these drawings for conformance with the DOTD Road Design and Bridge Design Manuals subject to the Federal Aid Off-System Highway Bridge Program Guidelines. The final plan drawings will be submitted with a bound copy of all design computations and reports to the DOTD Off-System Bridge staff for review and approval. It is anticipated the final plans will be completed within 60 days of a notice to proceed by DOTD.

QUALITY ASSURANCE (QA) / QUALITY CONTROL (QC)

Throughout every phase of this project, Boyd Holmes and Joffrey Easley will perform a QA/QC review of each submittal in accordance with the QA/QC program included in this proposal. Additionally, Janice P. Williams, P.E. will provide QA/QC oversight of the construction plans focusing on quality and constructability.



SECTIONS 19-23

FORTE & TABLADA

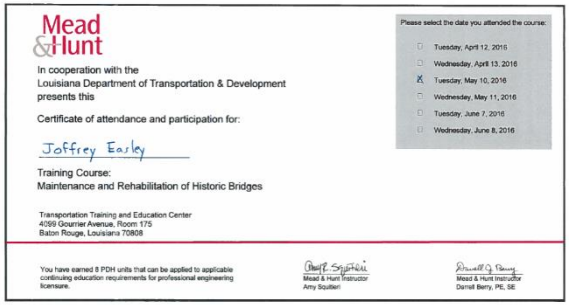
19. Workload:

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	Bridge	4400021594/H.009859.5	Task Order No. 1 - Load Rate Selected Statewide Bridges	7,156
	Bridge, Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	52,359
	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	5,189
	Bridge	4400021594/H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	562
	Bridge	4400021594/H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	123
	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	1,726,079
	Bridge	4400021594/H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	71,673
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	163,828
	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	14,399
	Bridge, Survey	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	7,428
	Bridge, Survey	4400013387/H.013137.5	OSBR Ouachita	23,249
	Bridge, Survey	4400019864/H.014318.5	OSBR Gurney Road Bridges	4,708
	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	3,487
	Road, Bridge	4400024641/H.005734.5	LA 447 Corridor	23,501
	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	10,577
	CE&I/OV	4400023837/H.009290.6	LSU Laboratory School SRTS Project	6,933
	Survey	4400021532/H.013941.5	LA 724: Roundabout @ Landry Road	24,916
	Survey	4400021532/H.005734.5	LA 447 Corridor Study	213,613
	Survey	4400021532/H.014416.5	LA 3125 @ LA 3274 Roundabout	1,032
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge	70,975
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge - SA 3	41,123
	Survey	4400004128/H.004273.5	I-49 Connector	31,259
CK	Environmental	N/A	N/A	N/A

20. Certifications/ Licenses

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

Tyler Branch, P.E. - Refresher Course completed January 2025



20. Certifications/ Licenses

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

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

Certificate of Training

LEVI YANTIS

has Successfully Completed

FHWA-NHI-130053

Bridge Inspection Refresher Training

hosted by

LA DOTD/LTRC

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

Instructor — Local Coordinator: Allison H. Landry

Instructor — Thomas Harman, Director, National Highway Institute: Thomas Harman

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bradley S Holleman
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

1/29/2021 to 1/29/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Rachel Waldroup
has attended
Traffic Control Supervisor-LA State Specific
Training Course

3/10/2021 to 3/11/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Rachel Waldroup
has attended
Traffic Control Technician-LA State Specific
Training Course

3/9/2021 to 3/9/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Ross Wilson
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/5/2023 to 4/5/2027
Training Valid Through

Vice President of Edu[Saved to this PC]echnical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

OLIVIA BARRY

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 6/7/2025 State Issued in LA

Instructor Signature: Debbie Purcella

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Olivia Barry
has attended
Traffic Control Technician-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

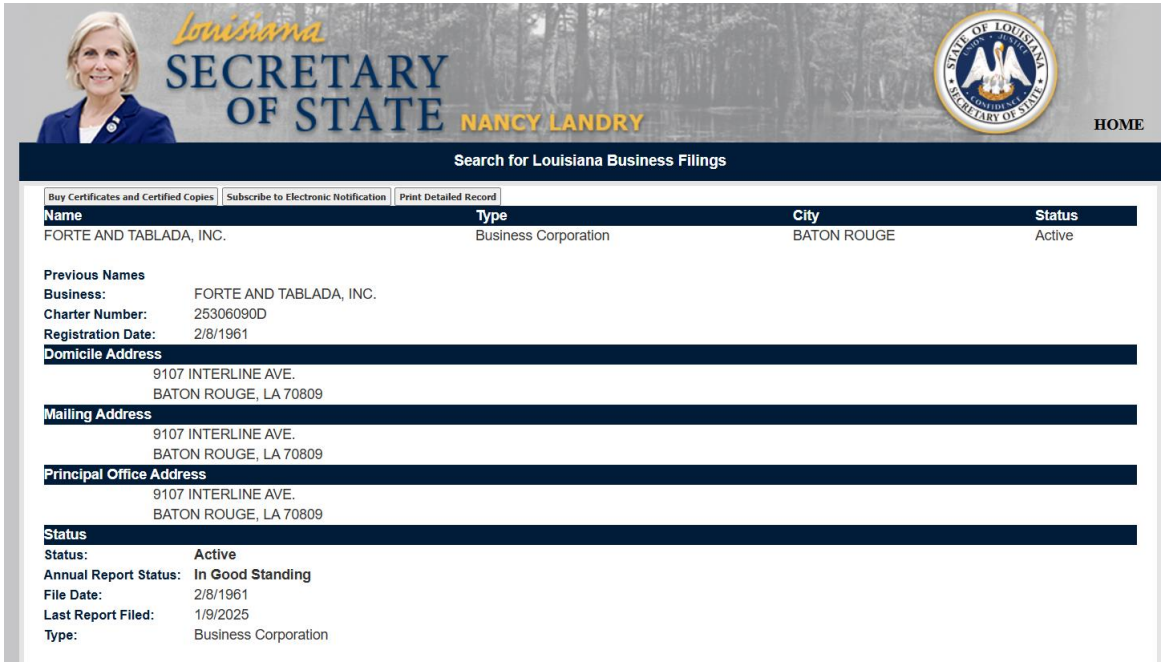
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

20. Certifications/ Licenses

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



Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
FORTE AND TABLADA, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: FORTE AND TABLADA, INC.
Charter Number: 25306090D
Registration Date: 2/8/1961

Domicile Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Mailing Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Principal Office Address

9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 2/8/1961
Last Report Filed: 1/9/2025
Type: Business Corporation

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
C-K ASSOCIATES, L.L.C.	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: C-K ASSOCIATES, L.L.C.
Charter Number: 35612412K
Registration Date: 12/18/2003

Domicile Address

8591 UNITED PLAZA BLVD., SUITE 300
BATON ROUGE, LA 70809

Mailing Address

C/O CHAD CRISTINA
8591 UNITED PLAZA BLVD., SUITE 300
BATON ROUGE, LA 70809

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 12/18/2003
Last Report Filed: 11/18/2024
Type: Limited Liability Company

21. QA/QC Plan:

If the advertisement requires submission of a QA/QC plan, include it 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.

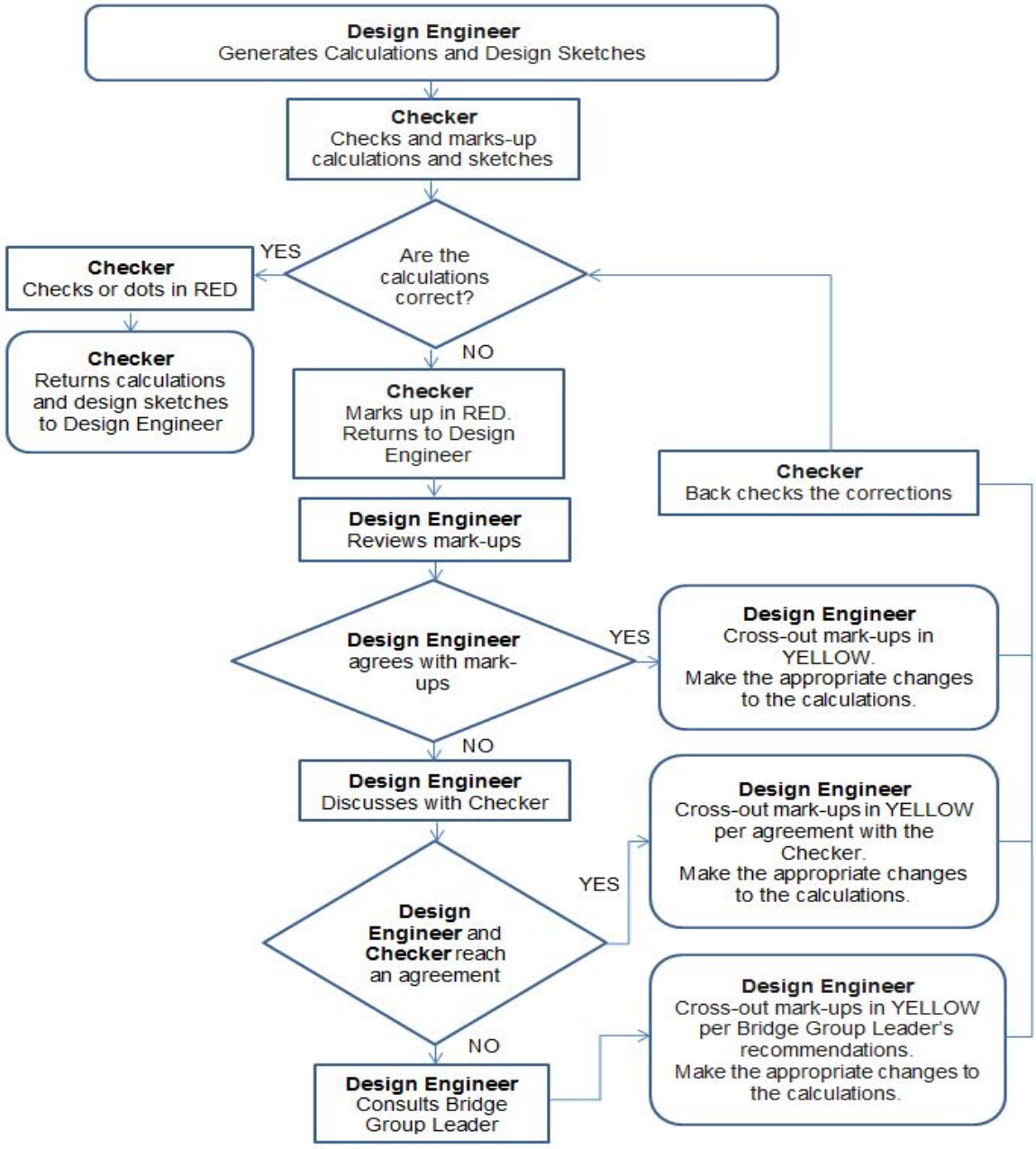

Figure 1. QC for Calculations Flowchart

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.

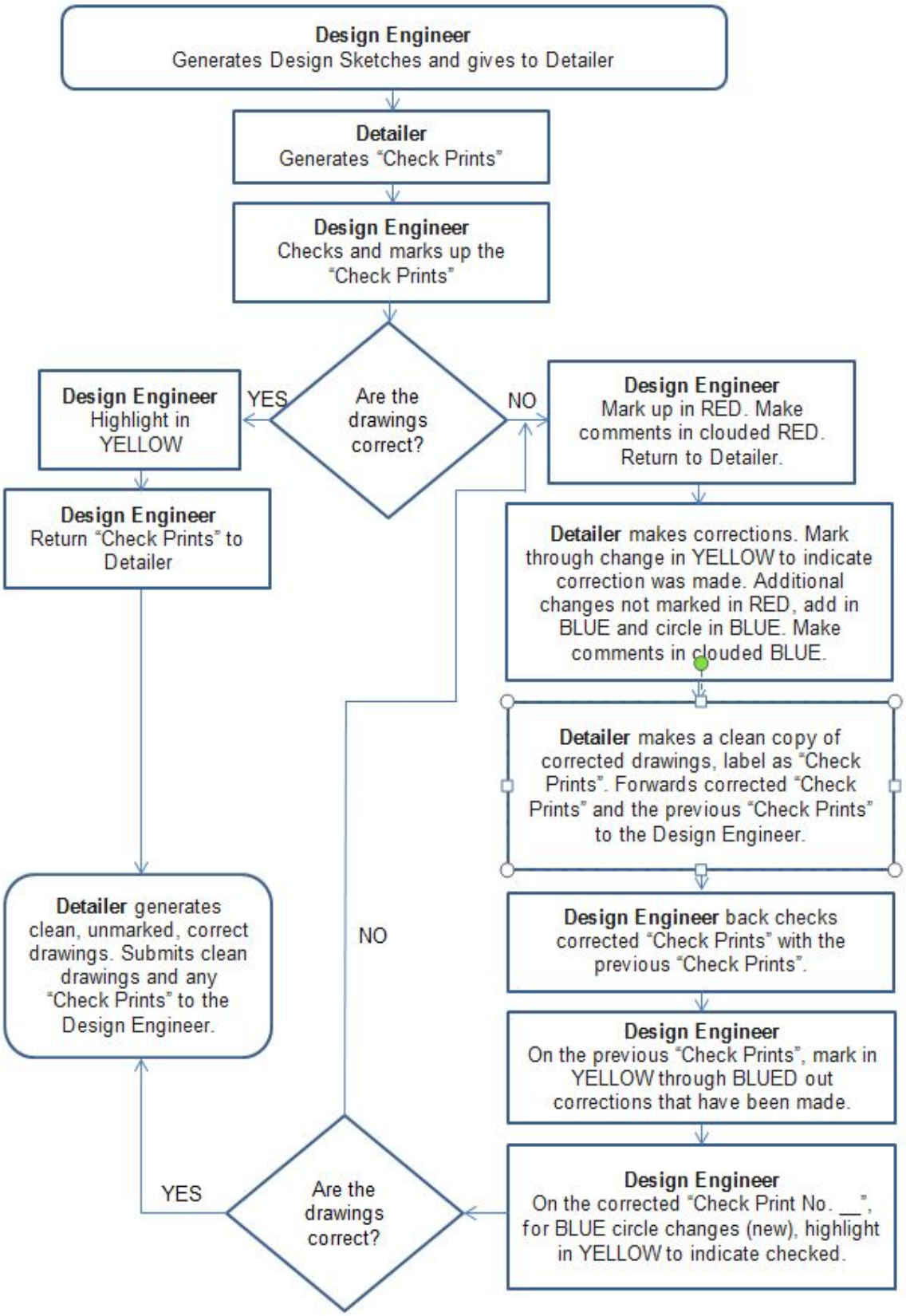

Figure 2. QC for Details Flowchart

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 exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
C-K Associates, L.L.C.	8591 United Plaza Boulevard Suite 300 Baton Rouge, LA 70809	Chad Cristina, Ph.D. chad.cristina@c-ka.com	225-755-1000

23. Location:

If location is an evaluation criterion for this advertisement (see page 2) 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.