



# OFF-SYSTEM HIGHWAY BRIDGE PROGRAM

## ANGUS AVE OVER DRAINAGE CANAL

STATE PROJECT NO. H.015975.5 | FEDERAL AID PROJECT NO. H015975 | EAST BATON ROUGE PARISH

AUGUST 7, 2025

CONTRACT NO. 4400030642

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



Submitted by:  
Forte and Tablada, Inc.







# SECTIONS 1-11

# 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 Angus Ave over Drainage Canal
2. Contract Number(s) as shown in the advertisement	Contract No. 4400030642
3. State Project Number(s), if shown in the advertisement	H.015975.5
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: 08/07/2025

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



## 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.

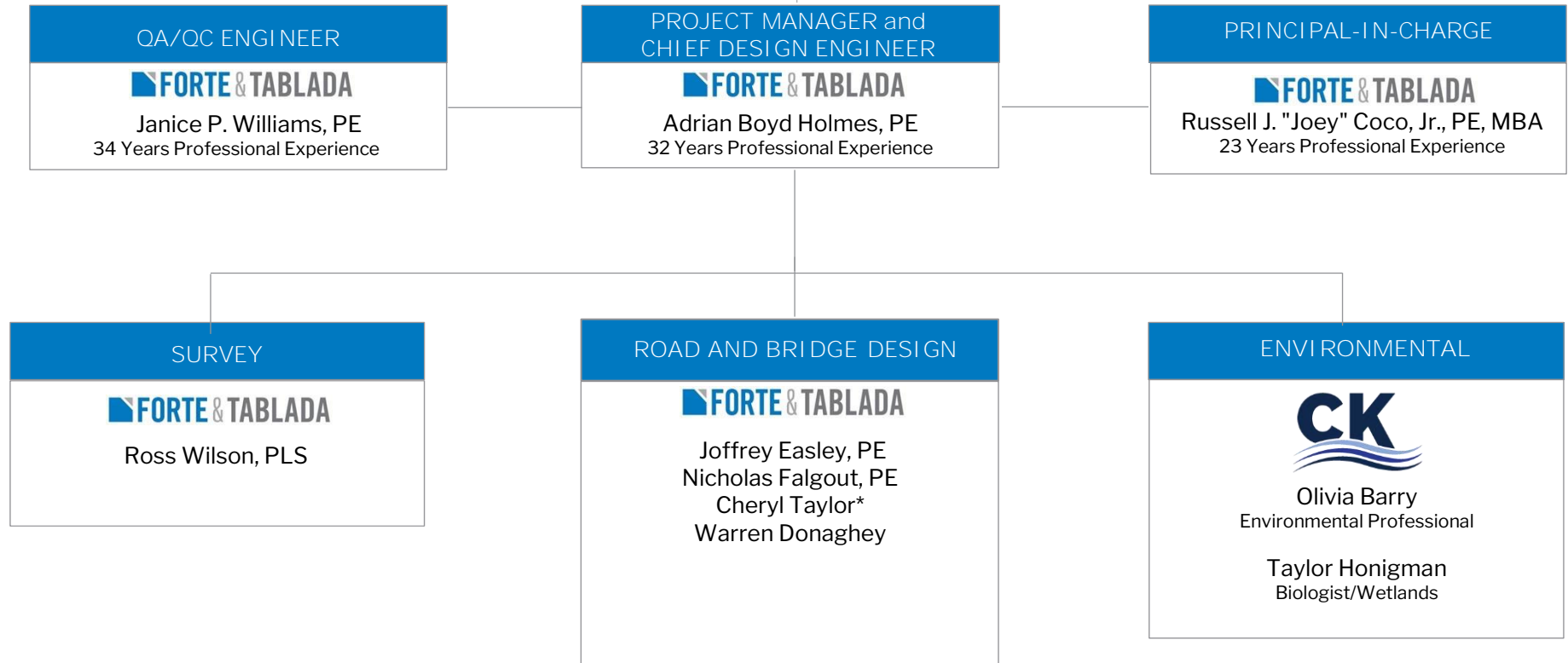
The only disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

Discipline(s)	% of Overall Contract	 (Prime)	 (Sub-Consultant)	Each Discipline must total to 100%
Bridge	85%	100%	0%	<b>100%</b>
Environmental	5%	20%	80%	<b>100%</b>
Survey	10%	100%	0%	<b>100%</b>
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%	<b>100%</b>

### 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)
	Administrative	0	2
	CADD Technician	2	3
	Clerical	0	1
	Engineer	2	3
	Inspector	0	1
	Instrument Man	1	1
	Party Chief	1	3
	Engineer Intern	0	3
	Principal	1	2
	Rodman	1	2
	Supervisor - Eng	2	4
	Supervisor - Other	0	1
	Surveyor	1	3
	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.		PE 31337 - Civil	LA	9/30/2026
2	Adrian Boyd Holmes, P.E.		PE 27452 - Civil	LA	9/30/2025
3	Adrian Boyd Holmes, P.E.		PE 27452 - Civil	LA	9/30/2025
4	Ross Wilson, P.L.S.		PLS 5148 - Survey	LA	3/31/2026
5	Olivia Barry		Professional Wetland Scientist – 3640	N/A	2/27/2028



# SECTION 16

## 16. Staff Experience:



Firm employed by	<b>FORTE &amp; TABLADA</b>				
Name	<b>Russell J. "Joey" Coco, Jr., P.E., MBA</b>	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		<b>Principal-in-Charge; Meets MPR 1</b>			
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	<b>LA DOTD H.004273.5 I-49 Connector Topographic Survey, Lafayette Parish, LA</b> – 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	<b>Old Hammond Highway – Segment 1, East Baton Rouge Parish, LA</b> – 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	<b>LA DOTD Retainer Contract for Off-System Bridge Load Rating, Statewide, LA</b> – 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	<b>LA DOTD S.P. No. H.012083.5- Calcasieu River Bridge Investigation, Calcasieu Parish, LA</b> - Principal overseeing laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA.				
11/16-10/20	<b>Livingston Parish Off-System Bridge Load Ratings, Livingston Parish, LA</b> – 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	<b>St. Tammany Parish Off-System Bridge Load Ratings, St. Tammany Parish, LA</b> – 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	<b>H.000303.6-Danziger Bridge Rehabilitation, Orleans Parish, LA</b> - Principal overseeing survey investigation of Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.				

## 16. Staff Experience:

<b>Joey Coco, P.E. - Continued</b>	
11/14-09/19	<b>Railroad Bridge Replacement, Plaquemines, LA</b> - Served as a project principal for the replacement of an existing railroad bridge structure in an industrial plant.
09/17-12/19	<b>S.P. No. H.011808.5 Palmetto Co. Canal Bridge, St. Landry Parish, LA</b> - 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	<b>Holly Drive Bridge Replacement, St. Tammany Parish, LA</b> - Served as a project principal for an existing timber bridge replacement in St. Tammany Parish.
03/14-02/18	<b>LA DOTD Load Rating of Bridges, Statewide, LA</b> - Served as a review engineer for load rating of statewide bridges.
10/18-12/18	<b>LA DOTD 4400010587 - Sunshine Bridge Repair, St. James Parish, LA</b> - 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	<b>H.004791.5 Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey, Plaquemines Parish, LA</b> - 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	<b>LA DOTD S.P. No. H.013052 LA 442 Tangipahoa River Bridge Replacement, Tangipahoa Parish, LA</b> - 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	<b>LA DOTD Load Rating of On-System Bridges, Statewide, LA</b> - QC/QA review engineer for over 200 slab span and girder bridges across Louisiana. Utilized Virtis load rating software.
04/11-10/16	<b>Iberville Parish Bridge Ratings and Prioritization, Iberville Parish, LA</b> - 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	<b>Bossier Parish Bridge Priority Study, Bossier Parish, LA</b> - 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	<b>Westdale Road Bridge over Bayou Pierre, DeSoto Parish, LA</b> - Served as a project principal for laser scanning, inspection, and repair plans for an existing closed bridge.
01/14-12/14	<b>Poole Road Over Flat Lake, Bossier Parish, LA</b> - 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					
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 ensure 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 Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road) - 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:

<b>Janice P. Williams, P.E. - Continued</b>	
02/24-Ongoing	<b>H.015104 Greenwell Springs Rd at Morgan Road Roundabout Ratings, East Baton Rouge Parish, LA</b> – QA/QC reviewer for the construction plans for this intersection improvement project to construct a roundabout.
03/23-01/24	<b>H.015142 Planchet Rd, East Baton Rouge Parish, LA</b> – QA/QC reviewer for the construction plans for this pavement rehabilitation project consisting of the full-depth rehabilitation of ~0.33 miles of a 2-lane roadway, as well as drainage improvements.
11/20 - Ongoing	<b>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)</b> - QA/QC reviewer for preliminary and final plans of two bridges.
07/22 - Ongoing	<b>Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA</b> – QA/QC reviewer for preliminary and final plans, hydraulic report, environmental clearance, ROW Mapping and acquisitions, and utility relocations.
07/24-Ongoing	<b>Nicholson Drive (LA 30) Segment 1 (Brightside Lane/West Lee to Gourrier/Burbank), East Baton Rouge Parish, LA</b> - 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	<b>Old Hammond Highway- Segment 1, East Baton Rouge Parish, LA</b> - 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	<b>LA DOTD Chief Project Development Division, Baton Rouge, LA</b> - 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	<b>LA DOTD Chief Systems Engineering Division, Baton Rouge, LA</b> - 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	<b>LA DOTD, Program and Project Manager for Pavement Preservation and Interstate Rehabilitation Programs, Baton Rouge, LA</b> - 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.

## 16. Staff Experience:


Firm employed by					
Name	<b>Adrian Boyd Holmes, P.E.</b>		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		<b>Project Manager; Meets MPRs 2 and 3</b>			
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).				
<p>Boyd has served as Project Manager/Design Engineer on <b>fifty-five (55) LADOTD Off-System Bridge Projects</b> that included <b>one hundred ten (110) bridge sites in 36 different Parishes</b> throughout the state. Boyd has served as Project Manager on <b>two (2) Urban Systems Bridge Projects</b> that included <b>two (2) bridge sites</b>. Boyd also served as Project Manager/Design Engineer on <b>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</b>. He has also performed hydrologic and hydraulic analysis for the design of bridge and culvert crossings associated with transportation projects.</p>					
07/23 - Ongoing	<b>E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA</b> – 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	<b>Off-System Highway Bridge Program, Morehouse Parish, LA - Bonne Idee Road Bridge over Bayou Bonne Idee</b> – 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	<b>Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA</b> – 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	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)</b> - 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	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek</b> , – 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	<b>Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou</b> - 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	<b>Lock No. 3 Bridge Replacement, St. Tammany Parish, LA</b> - 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:

<b>Adrian Boyd Holmes, P.E. - Continued</b>	
07/22 - Ongoing	<b>Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA</b> - 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	<b>Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA</b> - 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	<b>Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)</b> - 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	<b>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)</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.014318) Two (2) Bridges.
06/15 - 03/18	<b>Off-System Highway Bridge Program, Avoyelles Parish, LA - Faith Baptist Road Bridge Over Un-Named Ditch (Site 1); Bill Belt Road Bridge Over Un-Named Ditch (Site 2)</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.011522) Two (2) Bridges.
01/14 - 12/17	<b>Off-System Highway Bridge Program, East Feliciana Parish, LA - Bank Street Bridge Over Lewis Creek (Site 1); Singletary St. Bridge Over Redwood Creek (Site 2)</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#(H.010562) Two (2) Bridges.
04/12 - 12/18	<b>EBRP DPW Bridge Projects (2011), East Baton Rouge Parish, LA - East Garfield Bridge Over Corporation Canal; East Chimes Bridge Over Corporation Canal; Taylor Street Bridge Over Corporation Canal</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. (EBR C.P. Project No. 11-BR-LA-0037-39) Three (3) Bridges.
03/09 - 11/09	<b>Off-System Highway Bridge Program, East Feliciana Parish, LA - Cheathams Run/Devalcourt Road Bridge</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#700-19-0110 One (1) Bridge.
02/09 - 06/10	<b>EBRP DPW Bridge Projects (2008), East Baton Rouge Parish, LA - Monterrey Boulevard Bridges Over Jones Creek; South Campus Drive Bridge Over Corporation Canal</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. (EBR C.P. Project No. 08-BR-PT-0026) Two (2) Bridges.
2000	<b>Off-System Bridge Rehabilitation and Replacement Program, Avoyelles Parish, LA - Herbert Juneau Bridge Over Bayou Des Glaise; Moreauville City Bridge Over Bayou Des Glaise; Voorhies Lane Bridge Over Mill Bayou; Large Road Bridge Over Drainage Ditch; Lil River Bridge Over Petit Bayou Rouge; M. &amp; E. Bryant Road Bridge Over Horsepen Creek</b> - Responsibilities included project management and design for the topographic survey, preliminary and final plans, and hydraulic reports. S.P.#700-05-0115 Six (6) Bridges.




## 16. Staff Experience:

Firm employed by	<b>FORTE &amp; TABLADA</b>				
Name	<b>Nicholas Falgout, P.E.</b>		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		<b>Project Engineer</b>			
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	<b>E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA</b> – 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	<b>Off-System Highway Bridge Program, Morehouse Parish, LA - Bonne Idee Road Bridge over Bayou Bonne Idee</b> – 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	<b>Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA</b> – 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	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)</b> - 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.				
02/23 - Ongoing	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek</b> , – 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.				

## 16. Staff Experience:

<b>Nicholas Falgout, P.E. - Continued</b>	
01/23 - Ongoing	<b>Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou</b> - 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	<b>Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA</b> - 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	<b>Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA</b> - 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	<b>Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)</b> - 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.
07/22 - Ongoing	<b>Urban Systems Program, Livingston Parish, LA - Aydell Lane Bridge Replacement</b> - 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.015163) One (1) Bridge.
11/20 - Ongoing	<b>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)</b> - 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	<b>FORTE &amp; TABLADA</b>				
Name	<b>Joffrey E. Easley, M.S., P.E.</b>		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		<b>Structural Project Engineer</b>			
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	<b>H.014318 Gurney Road Bridge Replacements, East Baton Rouge Parish, LA</b> - 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	<b>H.015355 Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)</b> - 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	<b>H. 012308 Cook Road Expansion, Livingston Parish, LA</b> - 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	<b>Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA</b> – 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	<b>Flannery Road Bridge Replacement, East Baton Rouge Parish, LA</b> – 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	<b>DOW Slab Span Bridge Replacement, Plaquemine, LA</b> - 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	<b>I-10 Modifications due to Pile Locations, Orleans Parish, LA</b> - 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	<b>H.013166 Whittington Road Bridge Replacement, Livingston Parish, LA</b> - 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	<b>H.011828 Forrest Delatte Road Improvements and Bridge Replacement, Livingston Parish, LA</b> – Design engineer for the replacement of the existing timber bridge over Grays Creek on Forrest Delatte Road in Livingston Parish.				
01/14 – 12/21	<b>H.011825 Buddy Ellis Road Overlay and Bridge Replacement, Livingston Parish, LA</b> - Design engineer for the replacement of the existing timber bridge on Buddy Ellis Road near LA Highway 447 in Livingston Parish.				

## 16. Staff Experience:

<b>Joffrey E. Easley, M.S., P.E. - Continued</b>	
01/14 – 01/20	<b>H.011528 Travis Street and George Mashon Road Bridge Replacement, Livingston Parish, LA</b> - 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	<b>Holly Drive Bridge Replacement, St. Tammany Parish, LA</b> - 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	<b>East Baton Rouge Parish Bridge Replacements, East Baton Rouge Parish, LA</b> - 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	<b>Musson Lane Bridge Replacement, Iberville Parish, LA</b> - 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	<b>Wax Road Bridge over Miller Canal, Livingston Parish, LA</b> - Design engineer for the replacement of the Wax Road bridge over Greys Creek in Livingston Parish.
09/22 - Ongoing	<p><b>LA DOTD Retainer Contract for Bridge Load Rating Services, Statewide, LA</b> – 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).</p> <p><b>Task Order 1</b> 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 is required, determination of repair/rehabilitation options to improve/remove the load posting. (09/22 – 12/24)</p> <p><b>Task Order 6</b> 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 is required, determination of repair/rehabilitation options to improve/remove the load posting. (06/23 – Ongoing)</p>
03/18 – 05/22	<p><b>LA DOTD Retainer Contract for Off-System Bridge Load Rating, Statewide, LA</b> - 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.</p> <p><b>Task Order 1</b> – 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)</p> <p><b>Task Order 2</b> – Inspection and load rating of 199 off-system bridges, consisting primarily of slab spans. (2019 – 2020)</p> <p><b>Task Order 2b and 3</b> – 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)</p> <p><b>Task Order 4</b> – 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)</p>




## 16. Staff Experience:

Firm employed by					
Name	<b>Cheryl A. Taylor (Contract Employee)</b>		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		<b>Designer / CADD Operator / Technician</b>			
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).				
<p>Cheryl has over <b>40 years of experience</b> 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. <b>A partial listing of LADOTD projects is included below.</b> 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 &amp; 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 photography and USGS topographic maps. <b>For the past twenty-four (24) years Cheryl has worked almost exclusively on LADOTD projects.</b> 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).</p>					
07/23 - Ongoing	<b>E. Butcher Switch Road Bridge Over Dan Debaillon Coulee, Lafayette Parish, LA</b> – 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.				
01/23 - Ongoing	<b>Wildwood Drive Bridge Over Beaver Creek, Livingston Parish, LA</b> – 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	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - South Tiger Bend Road Bridge (Site 1); East Achord Road Bridge (Site 2)</b> - 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	<b>Off-System Highway Bridge Program, East Baton Rouge Parish, LA - Neff Lane Bridge over Wind Creek</b> , – 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.				
01/23 - Ongoing	<b>Off-System Highway Bridge Program, Caddo Parish, LA - Hosston River Road Bridge over Kelly Bayou</b> - 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.				

## 16. Staff Experience:

<b>Cheryl Taylor - Continued</b>	
07/22 - Ongoing	<b>Lod Stafford Bridge Over Colyell Creek, Livingston Parish, LA</b> - 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	<b>Dawson Creek Bridges at Hundred Oaks Avenue and Broussard Street, East Baton Rouge Parish, LA</b> - 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	<b>Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)</b> - 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	<b>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)</b> - 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.
06/15 – 03/18	<b>Off-System Highway Bridge Program, Avoyelles Parish, LA - Faith Baptist Road Bridge Over Un-Named Ditch (Site 1); Bill Belt Road Bridge Over Un-Named Ditch (Site 2)</b> - 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.011522) Two (2) Bridges.
01/14 – 12/17	<b>Off-System Highway Bridge Program, East Feliciana Parish, LA - Bank Street Bridge Over Lewis Creek (Site 1); Singletary St. Bridge Over Redwood Creek (Site 2)</b> - 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.010562) Two (2) Bridges.
04/12 – 12/18	<b>EBRP DPW Bridge Projects (2011), East Baton Rouge Parish, LA - East Garfield Bridge Over Corporation Canal; East Chimes Bridge Over Corporation Canal; Taylor Street Bridge Over Corporation Canal</b> - 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. (EBR C.P. Project No. 11-BR-LA-0037-39) Three (3) Bridges.
03/09 – 11/09	<b>Off-System Highway Bridge Program, East Feliciana Parish, LA - Cheathams Run/Devalcourt Road Bridge</b> - 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.#700-19-0110 One (1) Bridge.
02/09 – 06/10	<b>EBRP DPW Bridge Projects (2008), East Baton Rouge Parish, LA - Monterrey Boulevard Bridges Over Jones Creek; South Campus Drive Bridge Over Corporation Canal</b> - 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. (EBR C.P. Project No. 08-BR-PT-0026) Two (2) Bridges.
2000	<b>Off-System Bridge Rehabilitation and Replacement Program, Avoyelles Parish, LA - Herbert Juneau Bridge Over Bayou Des Glaise; Moreauville City Bridge Over Bayou Des Glaise; Voorhies Lane Bridge Over Mill Bayou; Large Road Bridge Over Drainage Ditch; Lil River Bridge Over Petit Bayou Rouge; M. &amp; E. Bryant Road Bridge Over Horsepen Creek</b> - 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.#700-05-0115 Six (6) Bridges.

## 16. Staff Experience:


Firm employed by	<b>FORTE &amp; TABLADA</b>				
Name	<b>Warren Donaghey</b>		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		<b>Designer / CADD Operator / Technician</b>			
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).				
07/19-07/23	<b>H.015546 Caplis Sligo Road Bridge over Red Chute Bayou, Bossier Parish, LA</b> - 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.				
2020	<b>H.012083 LA DOTD, Calcasieu River Bridge Investigation, Lake Charles, LA</b> – Warren produced CADD as-built drawings of the I-10 bridge over the Calcasieu River at Lake Charles, LA.				
10/19-08/21	<b>Johnson Koran Road Bridge over Foxskin Bayou, Bossier Parish, LA</b> - 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	<b>H.000303 LA DOTD, Danziger Bridge Repair, New Orleans, LA</b> - Warren produced CADD As-built drawings of the Danziger Lift Bridge over the Industrial Canal at New Orleans, LA.				
01/17-05/22	<b>H.013129 LA DOTD Off-System, Linton Road over Black Bayou Reservoir, Bossier Parish, LA</b> - 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	<b>Sligo Road Bridge over Foxskin Bayou, Bossier Parish, LA</b> - 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	<b>Bridge Replacement on Blanchard-Furrrh Road, Caddo Parish, LA</b> - 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	<b>Westdale Road Bridge over Bayou Pierre, DeSoto Parish, LA</b> - 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:

<b>Warren Donaghey - Continued</b>	
06/12 – 02/14	<b>LA DOTD, I-220 Bridge Widening over Russell Road, Caddo Parish, LA</b> - 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	<b>LA DOTD Off-System, Murphy Street Bridge Over KCS Railroad, Caddo Parish, LA</b> - 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	<b>SP 455-09-003 LA DOTD, I-49 North Segment I, LA 1 to LA 173, Caddo Parish, LA</b> - 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	<b>SP 102-02-0031, Bayou Pierre Bridge Widening, LA 511 (70th St.), Caddo Parish, LA</b> - 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	<b>Poole Road Bridge Over Flat River, Bossier Parish, LA</b> - 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	<b>LA DOTD, JCT. LA 822 – Dubach – Route 167, Lincoln Parish, LA</b> - 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	<b>LA DOTD Industrial Loop Overpass, Inner Loop Expressway (LA 3132), Caddo Parish, LA</b> - 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.
2000 – 2001	<b>SP 034-05-0027, Front Street Restoration, Natchitoches Parish, LA</b> - 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.
2015-Present	<b>Lucien Field Estates Subdivision, Shreveport, LA</b> – Warren serves as Senior CAD Designer for this ongoing project. Warren is responsible for preparation of construction plans for this multi-phased development. Services also includes coordination with various governmental agencies for approvals of proposed improvements. This single-family residential development, consisting of approximately 200 lots, includes approximately 8,730 linear feet of 8" and 10" gravity sewer mains and approximately 10,000 linear feet of water mains.
2015-Present	<b>Provenance Traditional Neighborhood Residential/Commercial Development, Shreveport, LA</b> - Warren serves as Senior CAD Designer for this ongoing project. Warren is responsible for preparation of construction plans for this multi-phased development located on approximately 590 acres. This residential/commercial development consists not only of new streets with underground drainage, but also includes several thousand feet of 8" and 10" sanitary sewer mains and water mains. The improvements included gravity sewer, lift stations, and force mains.





## 16. Staff Experience:

Firm employed by	<b>FORTE &amp; TABLADA</b>				
Name	<b>Ross Wilson, P.L.S.</b>	Years of relevant experience with this employer	14		
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, GA Certified Federal Surveyor (CFedS 1897)				
Year registered	2015	Discipline	Land Surveying		
Contract role(s) / brief description of responsibilities		<b>Professional Land Surveyor; Meets MPR 4</b>			
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).				
<p>Mr. Wilson will serve as <b>Survey Manager</b> during this contract, and in that role he will supervise all topographic field and office work performed on the contract. Mr. Wilson has 13 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 <b>managed over 40 task orders under 5 separate Topographic and Right-of-Way IDIQ Contracts with LADOTD, as well as over 90 Bridge Surveys throughout Louisiana.</b></p>					
06/21-Ongoing	<b>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)</b> - 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.				
08/23 – Ongoing	<b>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)</b> – 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.				
12/24-02/25	<b>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)</b> - Surveyor-in-Charge for topographic surveying for bridge sites that are to be replaced with culverts.				
01/23-10/24	<b>H.015355 Urban Systems Program, Livingston Parish, LA - West Colyell Creek Bridge (On Burgess Road)</b> - Survey Manager responsible for topographic and property survey to establish existing right-of-way.				
03/24-04/24	<b>H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA</b> - 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. Due to the emergency status of the project, the project was completed in a condensed timeline.				
03/23 –08/23	<b>Wildwood Drive over Beaver Creek Bridge Replacement, Livingston Parish, LA</b> – Survey Manager providing topographic surveying and Right-of-Way services for the Wildwood Drive bridge replacement in Livingston Parish.				

## 16. Staff Experience:

<b>Ross Wilson, P.L.S. - Continued</b>	
08/23	<b>H.014994 Bonne Idee Rd. Over Bayou Bonne Idee, Morehouse Parish, LA</b> – Survey Manager for Off-System Bridge site, providing Topographic services and establishing right-of-way.
01/23 - 04/23	<b>H.014989 - Neff Lane over Wind Creek, East Baton Rouge Parish, LA</b> – Survey Manager responsible for topographic and property survey to establish existing right-of-way for Off-System Bridge project.
02/23 - 03/23	<b>H.014990 E. Achord Road Bridge Replacement, East Baton Rouge Parish, LA</b> – Survey Manager responsible for topographic and property survey to establish existing right-of-way.
01/23 - 02/23	<b>Lod Stafford Bridge Replacement, Livingston Parish, LA</b> – Survey Manager responsible for topographic and property survey to establish existing right-of-way.
05/21 – 12/22	<b>H.003931- Calcasieu River Bridge (HBI) – Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4)</b> – 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	<b>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)</b> – 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	<b>H.012308- Cook Road Improvements, Livingston Parish, LA</b> – 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	<b>H.011970- Bayou Terrebonne Bridges, Terrebonne Parish, LA (4400010587- Task Order 9)</b> – 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	<b>H.004791.5 Belle Chasse Bridge and Tunnel (HBI)- Plaquemines Parish, LA (4400009387- Task Orders 2 and 5)</b> - 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	<b>H.010753.5 US 90 / I-310 Interchange, St. Charles Parish, LA (4400009387- Task Orders 1 and 3)</b> - 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.
09/17-11/17	<b>Linder Road Improvements, Livingston Parish, LA</b> - Surveyor-in-Charge for Topographic survey for a bridge replacement on Linder Rd.
09/17-10/17	<b>H.013166 Whittington Road Bridge over Grays Creek, Livingston Parish, LA</b> - Surveyor-in-Charge for Off-System Bridge site, providing Topographic and property survey to establish apparent right-of-way.
10/13-10/14	<b>H.002365.5 – LA 63: Bridges near Bluff Creek – East Feliciana Parish, LA (4400004591; 4400009387- Task Order 4)</b> – Survey Manager providing topographic surveys for 3 bridge replacements along LA 63.

## 16. Staff Experience:



Firm employed by	 C-K Associates, L.L.C.				
Name	Olivia Barry		Years of relevant experience with this employer		5.5
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; Meets MPR 5			
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).				
<p>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.</p>					
09/24-present	<b>F.19002535 – Strategic Capital Plan – Deferred Maintenance for Infrastructure, Renovations, and Streets, LSU:</b> 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	<b>H.015163: Off-system Highway Bridge Program, Aydele Lane Bridge Over Dumplin Creek:</b> 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	<b>H. 014261: Off-system Highway Bridge Program, Doshie Road Bridge Over Cherry Winche Creek Tributary:</b> 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	<b>H. 014318: Off-system Highway Bridge Program, Gurney Road Bridge Over Drainage Canal Sites 1 &amp; 2:</b> 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	<b>H. 014223: Off-system Highway Bridge Program, Camile Road/Bayou Grand Marais:</b> 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	<b>Garrie-Cut Off Bridge Replacement Project:</b> 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	<b>Big Woods-Starks Road Replacement Project:</b> 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	<b>H. 014337: Off-system Highway Bridge Program, Acadian Hills Lane Over Drainage Canal:</b> 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	<b>H.014235.5: Off-system Highway Bridge Program, West Racca Rd/East Grand Marais Ditch Bridge:</b> 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	<b>H.014273: Off-system Highway Bridge Program, Monroe Fabre Road/Bayou Des Glaises bridge:</b> 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.
11/21-02/22	<b>H.014255: Off-system Highway Bridge Program, Beeson Road Over Flagon Bayou Tributary:</b> C-K Associates was a subconsultant to Monroe and Corie, 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.
08/22-11/22	<b>H.014322: Off-system Highway Bridge Program, Centurion Avenue Over Drainage Bayou:</b> C-K Associates was a subconsultant to Monroe and Corie, 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:

Firm employed by	 C-K Associates, L.L.C.				
Name	<b>Taylor Honigman</b>		Years of relevant experience with this employer		4
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		<b>Biologist/Wetlands</b>			
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).				
<p>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.</p>					
09/24-present	<b>F.19002535 – Strategic Capital Plan – Deferred Maintenance for Infrastructure, Renovations, and Streets, LSU:</b> 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	<b>H.015163: Off-system Highway Bridge Program, Aydel Lane Bridge Over Dumplin Creek:</b> 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	<b>H. 014261: Off-system Highway Bridge Program, Doshie Road Bridge Over Cherry Winche Creek Tributary:</b> 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	<b>H. 014318: Off-system Highway Bridge Program, Gurney Road Bridge Over Drainage Canal Sites 1 &amp; 2:</b> 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	<b>H.014988: Off-system Highway Bridge Program, Carey Road Bridge Replacement Project:</b> 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	<b>H.014978: Off-system Highway Bridge Program, Bellard Loop Bridge Replacement Project:</b> 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	<b>Garrie-Cut Off Bridge Replacement Project:</b> 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	<b>Big Woods-Starks Road Replacement Project:</b> 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	<b>H.014235.5: Off-system Highway Bridge Program, West Racca Rd/East Grand Marais Ditch Bridge:</b> 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	<b>H.014273: Off-system Highway Bridge Program, Monroe Fabre Road/Bayou Des Glaisses Bridge:</b> 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.



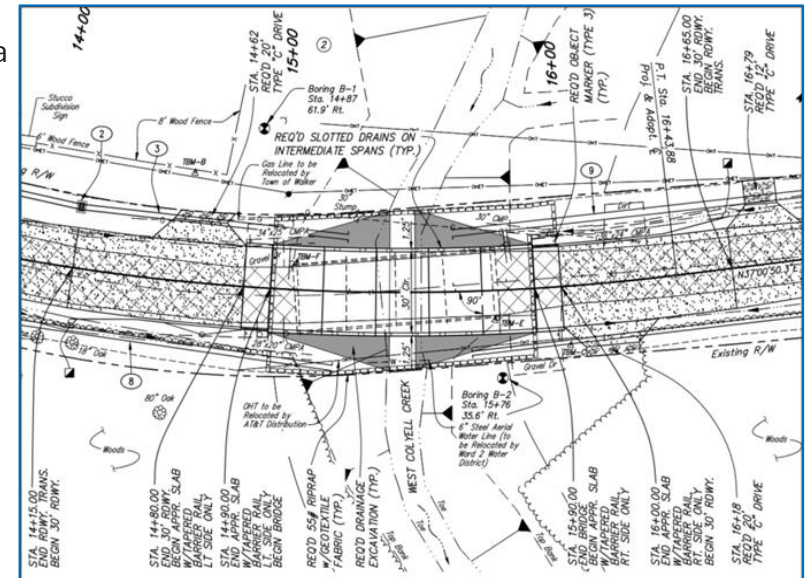
# SECTION 17

## 17. Firm Experience:

Firm name	 Forte and Tablada, Inc.		Discipline(s)*	Bridge, Survey, Environmental
Project name	<b>Urban Systems Project - West Colyell Creek Bridge (On Burgess Road)</b>		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:

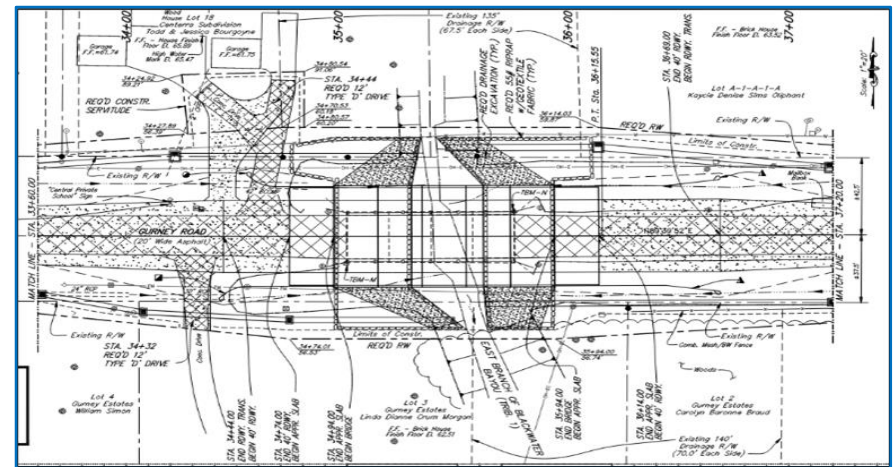
Firm name	 Forte and Tablada, Inc.		Discipline(s)*	Bridge, Survey, Environmental
Project name	Off-System Highway Bridge - Gurney Road Bridges (Sites 1 & 2)		Firm responsibility (prime or sub?)	Prime
Project number	H.014318	Owner's name	LADOTD	
Project location	East Baton Rouge Parish, LA	Owner's Project 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:

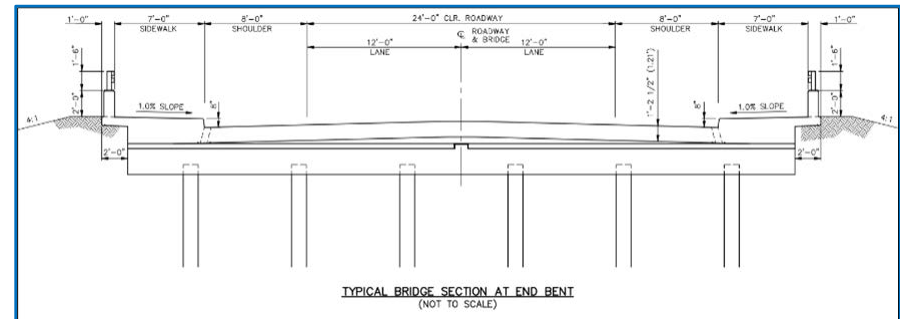
- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating Slab-Span Bridges
- Wetlands/Environmental Services

### 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:

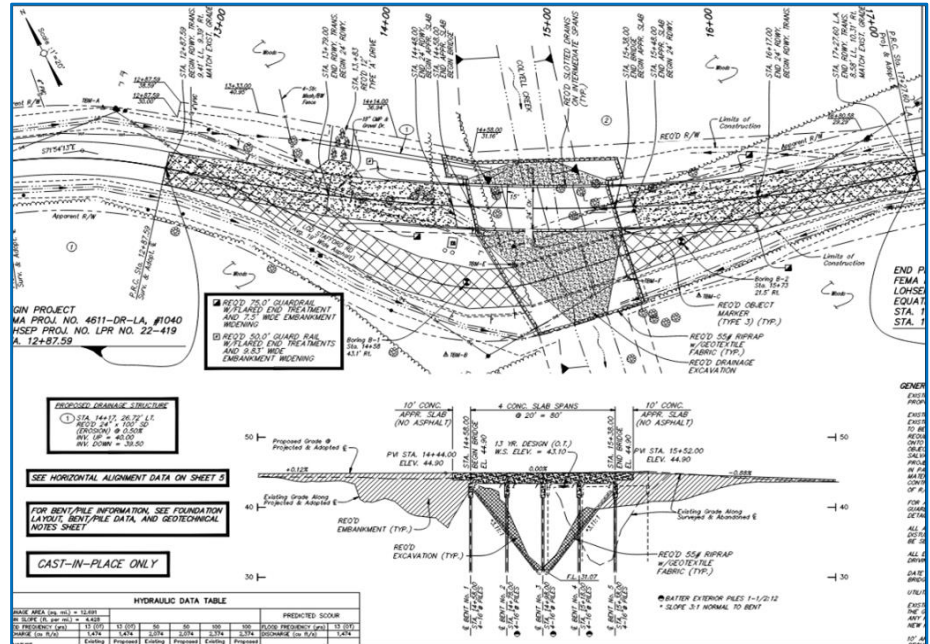
Firm name	 Forte and Tablada, Inc.		Discipline(s)*	Bridge, Survey, Environmental
Project name	Lod Stafford Road Bridge Over Colyell Creek		Firm responsibility (prime or sub?)	Prime
Project number	FEMA PW 1049	Owner's name	Livingston Homeland Security and Emergency Preparedness	
Project location	Livingston 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:

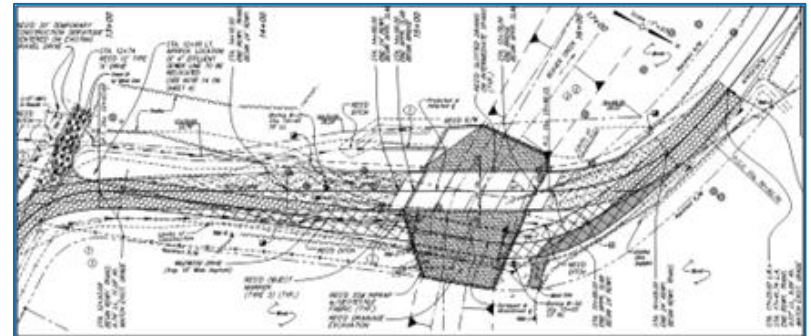
Firm name	 Forte and Tablada, Inc.		Past Performance Evaluation Discipline(s)*	Bridge, Survey, Environmental
Project name	Wildwood Drive Bridge Over Beaver Creek		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Livingston Parish Government	
Project location	Livingston Parish, 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)	01/23	Total consultant contract cost (\$1,000's)		\$334.3
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$252.0

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 Wildwood Drive over Beaver Creek is being replaced with a 24-foot wide 4-span skewed slab span bridge with 16-inch piles. This work included the following tasks:

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

### Project Team:

**Chad Bacas, P.E. - Principal-in-Charge**  
**Adrian Boyd Holmes, P.E. - Project Manager**  
**Ross Wilson, P.L.S. – Survey Manager**  
**Nick Falgout, P.E. - Project Engineer**  
**Cheryl Taylor – Sr. Designer / CADD Operator**




*Wildwood Drive Bridge over Beaver Creek Plans designed by Forte and Tablada*



*Wildwood Drive Bridge over Beaver Creek Post Construction Photo*



## 17. Firm Experience:

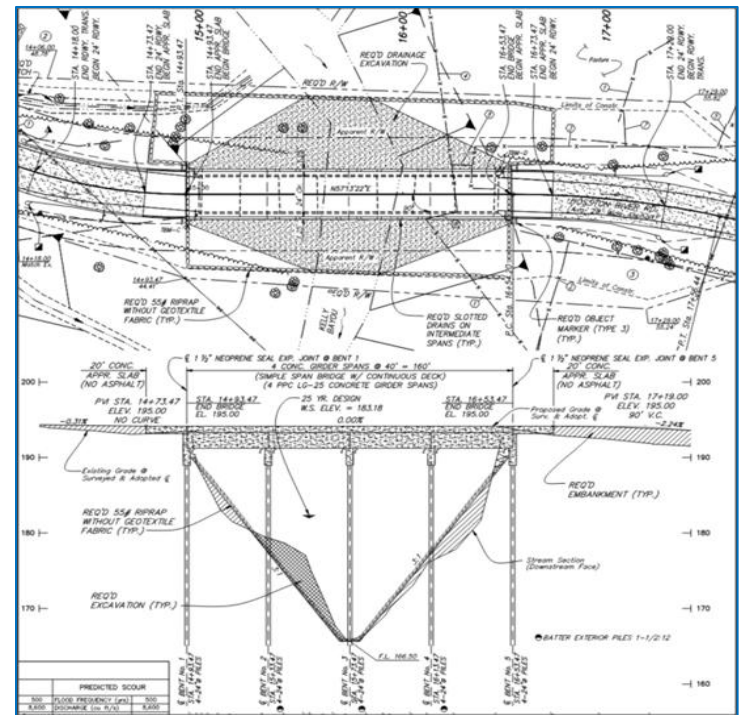
Firm name	 Forte and Tablada, Inc.		Discipline(s)*	Bridge, Survey, Environmental
Project name	Off-System Highway Bridge – Hosston River Road Bridge over Kelly Bayou		Firm responsibility (prime or sub?)	Prime
Project number	H.014981	Owner's name	LADOTD	
Project location	Caddo Parish, LA	Owner's Project 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)	01/23	Total consultant contract cost (\$1,000's)		\$88.9
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$79.9

Forte and Tablada provided surveying, engineering, hydraulic analysis, and environmental related services required for the replacement of a 2-lane, 7-span timber bridge in Caddo Parish. The existing bridge on Hosston River Road over Kelly Bayou is to be replaced with a 4-span, 24-foot wide LG-25 Girder Bridge with 24 inch piles. The bridge will be 160 long and will utilize 20-foot long curved approach slabs on each end of the bridge. This work included (or will include) the following tasks:

- Topographic Survey
- Hydraulic Analysis
- Civil Design & Construction Plans Preparation
- Bridge Design and Load Rating for a LG-25 Girder Bridge
- Wetlands/Environmental Services

### Project Team:


**Chad Bacas, P.E. - Principal-in-Charge**  
**Adrian Boyd Holmes, P.E. - Project Manager**  
**Ross Wilson, P.L.S. – Survey Manager**  
**Nick Falgout, P.E. - Project Engineer**  
**Cheryl Taylor – Sr. Designer / CADD Operator**



Hosston River Road Bridge over Kelly Bayou  
designed by Forte and Tablada



## 17. Firm Experience:

Firm name	 C-K Associates, L.L.C.		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.		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.		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



## 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 (27) registered professional civil engineers with two (2) dually registered as professional land surveyors, two (2) dually registered as environmental engineers, nine (9) civil engineer interns, and seven (7) registered professional land surveyors.

In 2022, Forte and Tablada, Inc. acquired Boyd Holmes Engineering, Inc. (BHE), which was a top ranked engineering firm performing off system bridge design services successfully for over 20 years. The combined staff of F&T and BHE staff has an impeccable track record for delivering Off-System Bridges for DOTD and municipalities statewide. Added together, our team has 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.

Forte and Tablada, Inc has been providing structural design services including bridge design, load rating, and rehabilitation plans for many years to DOTD. Our structural design staff is well versed in structural design for various type of bridges and drainage structures from flat, straight slab span bridges to steel girder bridges with complex curved geometry as well as many others.

In addition to our structural design expertise, F&T has provided extensive topographic survey and right of way map services for DOTD under multiple IDIQ contracts as well as single project contracts as a prime consultant or sub-consultant to other firms. 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. Boyd Holmes, P.E., will serve as a senior project manager and leads a team focused on Off-System Bridge projects. He is backed with the experience of Joffrey Easley, P.E., who also has a long history of working with DOTD and the Off-System Bridge program staff. Nick Falgout, P.E., will provide bridge and road design expertise, as well. Ross Wilson, PLS, will serve as our survey services task manager.



Bird's-eye view of Angus Road Bridge

### APPROACH

The existing Angus Avenue Bridge Over Drainage Canal is a 3-span precast concrete slab span bridge with 10' long concrete approach slabs that have been overlayed with asphalt. The bridge includes metal guardrails, timber piles, timber caps, and timber headwalls/wingwalls. The bridge is located in a suburban neighborhood on a 2-lane asphalt road with no shoulders, open ditches that have been enclosed on 3 corners of the bridge, and houses on larger acreage lots on all four corners of the bridge. The bridge is located along a slightly curved alignment of Angus Avenue approximately 1,100' west of the junction with LA 67 (Plank Road). The bridge is 24' wide x 57' long and is rated as structurally deficient. The bridge is currently posted with load limitations of 10 Tons and 15 Tons for a Single Unit Vehicle and Combination vehicle, respectively. The channel banks are wooded on the upstream side of the bridge and partially wooded on the downstream side of the bridge. There are some wooded areas upstream of the bridge and the creek contains some minor 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 likely be either a 3-span or 4-span slab span bridge due to the channel width and depth. The channel alignment is at 90 degrees to the roadway. Multiple reinforced concrete box culverts will likely not be an option due to the maximum use of 4 barrels and debris could be a problem. There is an aerial gravity sewer line on the south side of the bridge and an aerial water line on the north side of the bridge. There are also underground

### F&T + BHE DESIGNED BRIDGES IN EAST BATON ROUGE PARISH



LOUISIANA BRIDGE EXPERIENCE		
 <b>F&amp;T + BHE</b>		
ACQUIRES  <b>BOYD HOLMES ENGINEERING, INCORPORATED</b>		
<b>155 OFF-SYSTEM BRIDGES IN THE PAST 20 YEARS</b>		
<b>PROJECT MAKEUP</b>		
<b>40 PARISHES 55 FOR DOTD</b>		
<b>44 FOR PARISH / MUNICIPAL</b>		
<b>BRIDGE SURVEY EXPERIENCE IN THE PAST 15 YEARS</b>		
<b>97 BRIDGES SURVEYED</b>		
<b>25 PARISHES 88 FOR DOTD 9 FOR PARISH / MUNICIPAL</b>		
<b>BRIDGE STRUCTURAL DESIGN AND LOAD RATING EXPERIENCE IN THE PAST 15 YEARS</b>		
<b>OVER 1,300 LOAD RATINGS 63 PARISHES 1,200 FOR DOTD 100 FOR PARISH / MUNICIPAL</b>		

gas, water, and telephone lines on the north side of the road and overhead electrical, telephone, and cable lines parallel to the roadway on the south side of the road within close proximity to the bridge, which will need to be considered during construction. Additionally, there are residential drives on the southeast and southwest corners of the bridge approximately 15 to 40 feet from the ends of the bridge. The access to the two driveways may affect the configuration of the guardrail on the southeast and southwest corners of the bridge or the driveways may need to be relocated. The bridge can be closed during construction since there are multiple existing roads that can be used for detours with the shortest detour route being only 1.25 miles to the north.

## 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 and 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.



**PROFESSIONAL LAND SURVEYING:** F&T's Survey approach to Off-System Bridge projects is built on seamless internal coordination and a strong commitment to design accuracy. Project Manager Boyd Holmes maintains a hands-on role throughout the survey process, including making site visits with survey staff to ensure a full understanding of his specific design needs for project. All survey services are performed in-house under the direction of PLS Ross Wilson, allowing for direct, ongoing communication and a well-established working relationship among team members. This internal structure ensures that survey personnel are fully familiar with Boyd's project expectations and workflows, reducing inefficiencies and supporting the delivery of precise, high-quality surveys within demanding timelines.

## TOPOGRAPHIC SURVEY

After contract execution and NTP, Boyd Holmes will collect initial project data from DOTD Off-System Bridge staff and begin bridge site data collection. Before the field survey, a desktop review of aerial imagery, street view imagery, property maps and data, topographic maps, elevation data (LiDAR/DEM), and NRCS parish soil data will be conducted to define drainage areas and flow patterns to identify key issues to discuss with Parish personnel and local residents.

After desktop data collection and review, Boyd Holmes will coordinate with F&T's survey team leader, Ross Wilson, to schedule topographic survey field work. Ross will assign and manage the field crew, submit utility locate requests through LA One Call, and establish GPS control referencing the current horizontal and vertical control datums. Boyd will meet with Parish staff to verify the correct bridges to be replaced and to obtain information to be used to design the replacement structures. Boyd will also meet with nearby property owners to discuss drainage concerns to determine possible drainage structure alternates. He'll meet the survey crew to

assist in establishing control points, laying out the alignment, and photographing key features to be used throughout the design and permitting processes. The survey will follow DOTD's Location and Survey Manual and Off-System Bridge Program procedures.

After field work, Ross will process data and prepare survey point listings and CAD files for topographic field rolls. Cheryl Taylor and F&T technicians will create field roll drawings, existing roadway and channel cross-section drawings, existing drainage maps, survey point listing reports, and site photos with legend. Boyd Holmes will review all deliverables for compliance with Off-System Bridge Program Guidelines before submitting to DOTD. Topographic survey work is expected to be completed within 30 days of DOTD's notice to proceed.

## Forte and Tablada has the most modern surveying technology including:



## RIGHT-OF-WAY SERVICES

### PROPERTY SURVEY

If additional R/W is needed, F&T will perform one title take-off per parcel to expedite property surveys. Ross will lead the team in completing all necessary investigations and field work for the preparation of the property survey, utilizing the same control as the topographic survey. The property survey plat will show property lines and existing R/W tied to the project centerline.

### BASE R/W MAPS

F&T has a skilled team experienced in preparing right of way maps per Location and Survey Manual Addendum A. Base maps will be developed using the property survey plats and will also show the existing and required R/W, limits of construction, construction and drainage servitudes, calculated parcel acreages, and remaining areas.

### FINAL CHECK PRINTS AND FINAL R/W MAPS

Recommended revisions from DOTD Joint Plan Review will be incorporated into the Final Check Print maps. If R/W is later deemed unnecessary, deliverables will follow Location and Survey Manual Addendum A, Section 2-4: 'Map Requirements When No Additional Right of Way Required.'

## FINAL CHECK PRINTS DELIVERABLE

- 1 PDF of Final Check Prints, including any revisions discussed during the JPR Meeting





The final Right of Way map phase will start after receiving Final Check Print comments and updated design plans. All comments will be addressed, and a final review will ensure map compliance with the design. Forte and Tablada will prepare a final parcel input file using DOTD's CogoWin sequencing. This file will be reviewed to confirm the metes and bounds match the Right of Way map precisely.



#### RIGHT-OF-WAY MAPS AND AGREEMENTS FOR PARISH ACQUISITION

Ross 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.



#### SOV, CATEGORICAL EXCLUSION CLEARANCE AND ENVIRONMENTAL CLEARANCE DOCUMENTS

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 determination 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. 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).

## WETLANDS FINDINGS

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



Street view of Angus Road Bridge

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 and staff 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 Easley 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 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.



OSB PROPOSED PROJECT SCHEDULE (in Months)																													
Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
NTP/Pre-Design Kickoff Meeting																													
Topographic Survey Submittal Phase																													
Hydraulic Analysis & Report Submittal Phase																													
Solicitation of Views (SOVs)																													
Pre-Plan-in-Hand Submittal Phase																													
Plan-in-Hand Submittal Phase																													
Plan-in-Hand Meeting with Review Comments																													
Post-Plan-in-Hand Submittal Phase																													
Environmental (Wetlands, SOVs, & Env. Checklist) Submittal Phase																													
Title Take-offs Phase																													
Property Surveys Phase																													
Base R/W Maps Phase																													
Joint Plan Review Meeting																													
R/W Agreements Phase																													
Environmental Clearance Phase (Final Plans Cannot Begin)																													
Pre-Advanced Check Print Submittal Phase																													
Advanced Check Print Submittal Phase																													
Final Tracings Submittal Phase																													





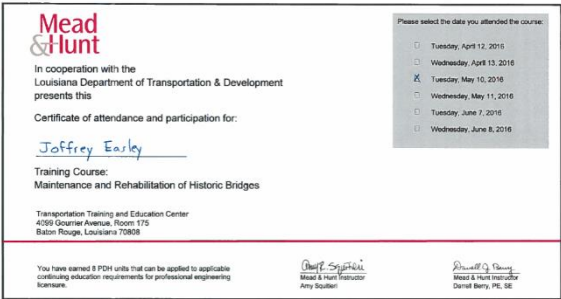
# SECTIONS 19-23

## 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**
	Bridge, Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	51,603
	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	3,951
	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	621,696
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	149,333
	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	5,200
	Bridge	4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	1,214,192
	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
	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	5
	Survey	4400021532/H.012068.5	LA 1026: Creek Bridge	10,719
	Survey	4400021532/H.010116.5	LA 1088: Soult & Trinity Roundabouts	22,187
	Survey	4400021532/H.012059.5	LA 19: Bridges near Zachary	19,490
	Survey	4400021532/H.013195.5	LA 98 Curve Realignment	14,820
	Survey	4400021532/H.013941.5	LA 724: Roundabout @ Landry Road	9,872
	Survey	4400021532/H.005734.5	LA 447 Corridor Study	109,275
	Survey	4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	461
	Survey	4400021974/H.002186.5	UP (Plaquemine)	10,047
	Survey	4400025029/H.015341	D61(EBR) IJJA Off-System Bridge	66,272
	Survey	4400025029/H.015341	D61(EBR) IJJA Off-System Bridge - SA 3	36,995
	Survey	4400004128/H.004273.5	I-49 Connector Additional ROW	31,089
	N/A	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.



20. Certifications/ Licenses

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## 20. Certifications/ Licenses

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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



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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**

## **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.



QA/QC Manual for LA DOTD Bridge Projects

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  $\eta_D$
  - ☐ Redundancy factor  $\eta_R$
  - ☐ Operational importance factor  $\eta_I$
- 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.

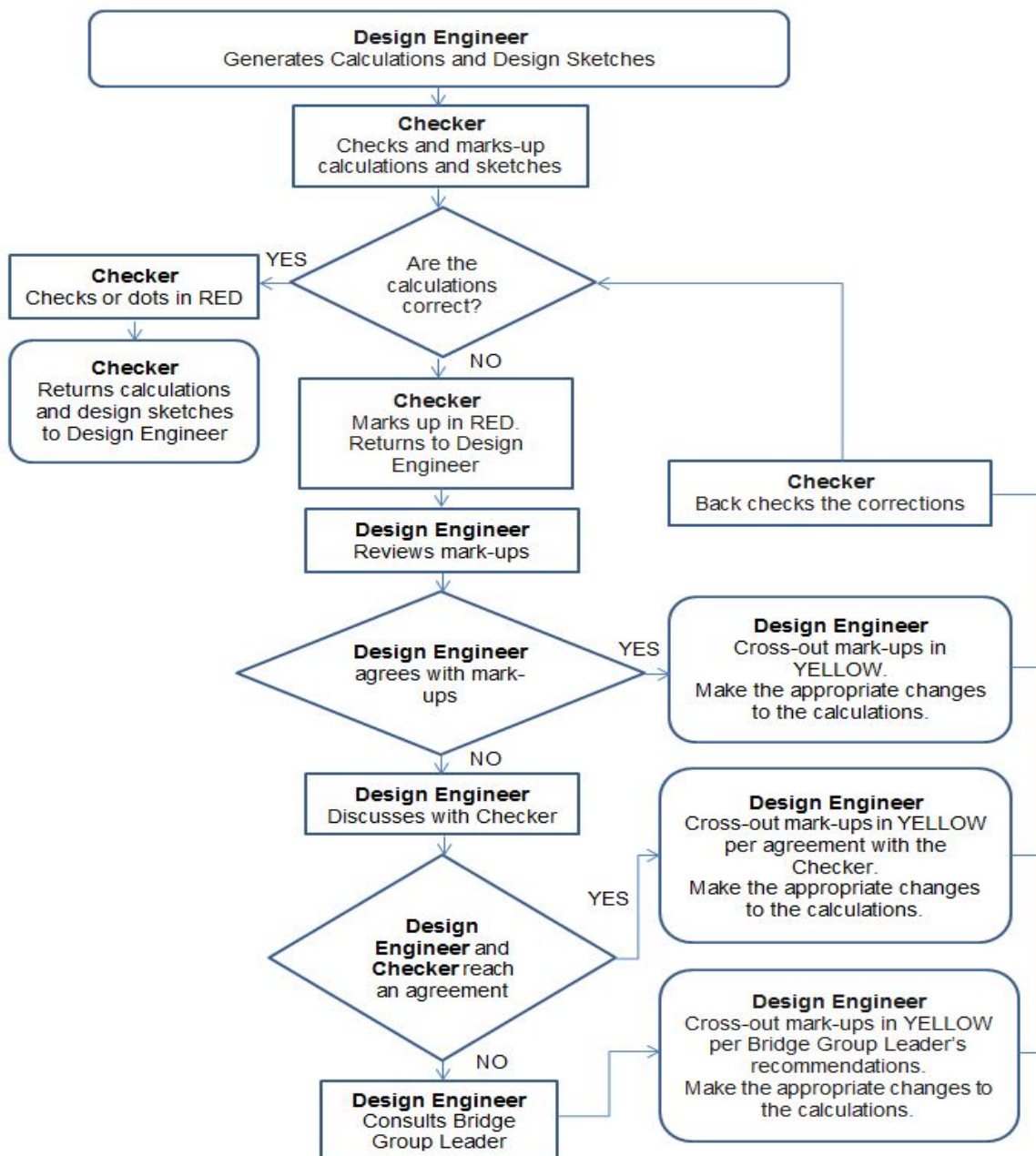


Figure 1. QC for Calculations Flowchart



**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.

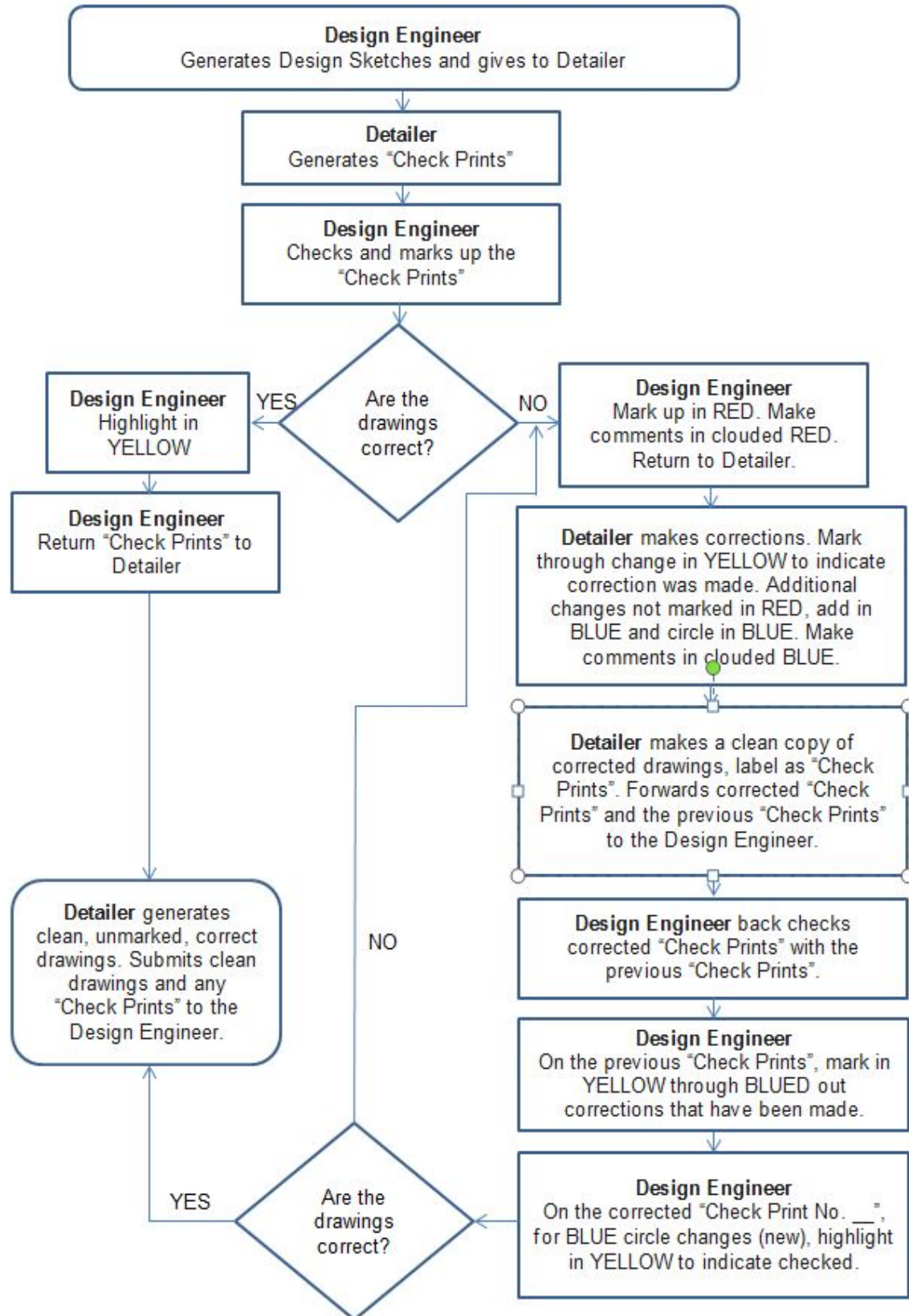


Figure 2. QC for Details Flowchart

**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 the responsibility of the EOR to deliver all bridge design files to the Bridge Task Manager 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
<p>Calculations and other documentation establishing the bridge's superstructure design satisfies controlling load cases and limit states, for the following elements:</p> <ul style="list-style-type: none"> <li>• Girders or beams</li> <li>• Stringers</li> <li>• Floor beams</li> <li>• Trusses, including secondary elements such as bracing and gusset plates</li> <li>• Arches and hangers, including secondary elements such as bracing and gusset plates</li> <li>• Cable stays</li> <li>• Other elements not specifically excluded</li> </ul> <p>Calculations and other documentation establishing the bridge's substructure design satisfies controlling load cases and limit states, for the following elements:</p> <ul style="list-style-type: none"> <li>• Cap beams</li> <li>• Columns, Towers, and Pylons</li> <li>• Other elements not specifically excluded</li> </ul> <p>Calculations and other documentation establishing the bridge's foundation design satisfies design requirements, for the following elements:</p> <ul style="list-style-type: none"> <li>• Piling</li> <li>• Drilled shafts</li> <li>• Spread footings</li> <li>• Other elements not specifically excluded</li> </ul>	<p>Decks, if per current Department Manuals and standard drawings</p> <p>Bearings, if per current Department Manuals and standard drawings</p> <p>Railings, if per current Department Manuals and standard drawings</p> <p>Expansion joints, if per current Department standard drawings</p> <p>Standard round columns if column height and diameter is within prescribed limits of acceptability in Department Manuals</p> <p>Abutment design, if details follow current Department Manuals and standard drawings</p> <p>Pile and/or Footing design, if details follow current Department standard drawings</p> <p>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.</p>

**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.