DOTD FORM: 24-102

(Revised June 1, 2021)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	**CONTRACT FOR US 190: UPRR OVERPASS NEAR OPELOUSAS**
2. Contract number(s) as shown in the advertisement	4400023434
3. State Project Number(s), if shown in the advertisement	H.000445
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Shread Kuyrkendall & Associates, 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)	P.E. 0000767 P.L.S. 0000130
6. Prime consultant mailing address	13016 Justice Ave., Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	13016 Justice Ave., Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**Richard R. Shread**, President (225) 296-1335 Shread@skaengr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**Richard R. Shread**, President (225) 296-1335 Shread@skaengr.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the	

designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9): Richard R Shread Date: 2/10/22
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

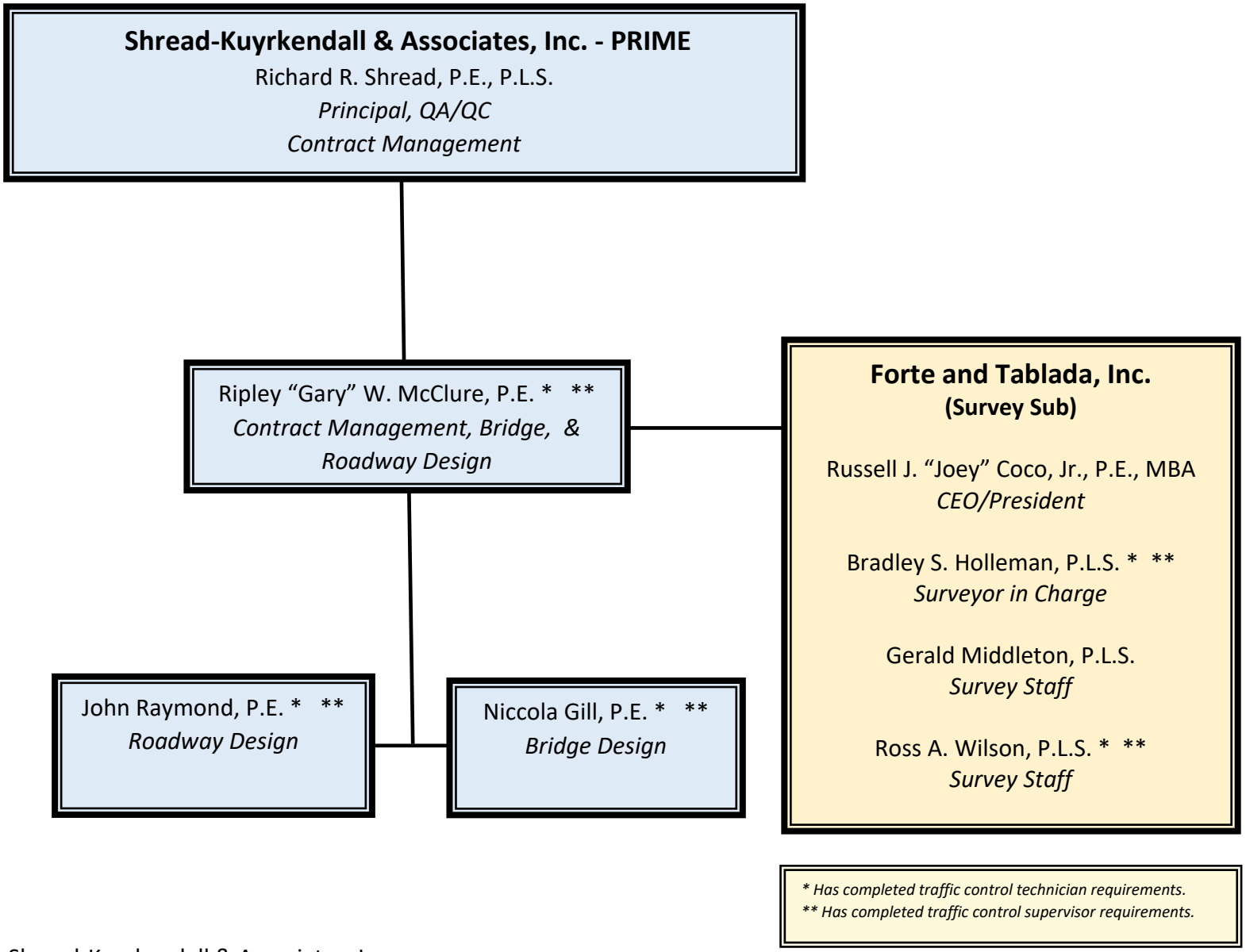
Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percentage of the contract.							
Evaluation Disciplines	% of Overall Contract	Prime **Shread-Kuyrkendall & Associates, Inc.**	Firm B **Forte & Tablada**	Firm C	Firm D	Firm E	Firm F
Bridge	80%	100%					
Road	10%	100%					
Survey	10%		100%				
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant							
Percent of Contract	100%	90%	10%				

*The past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf.

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)
Shread-Kuyrkendall & Associates, Inc.	Principal	1	1
Shread-Kuyrkendall & Associates, Inc.	Supervisor-Eng	1	1
Shread-Kuyrkendall & Associates, Inc.	Engineer	2	6
Shread-Kuyrkendall & Associates, Inc.	CADD Technician	2	2
Shread-Kuyrkendall & Associates, Inc.	CADD-Operator	0	2
Forte & Tablada	Administrative		3
Forte & Tablada	CADD Technician	8	8
Forte & Tablada	Clerical		4
Forte & Tablada	Engineer		4
Forte & Tablada	Inspector		3
Forte & Tablada	Instrument Man	1	1
Forte & Tablada	Party Chief	6	6
Forte & Tablada	Engineer Intern		8
Forte & Tablada	Principal	1	3
Forte & Tablada	Rodman	11	11
Forte & Tablada	Senior Technician	3	3
Forte & Tablada	Supervisor Eng		4
Forte & Tablada	Supervisor Other		2
Forte & Tablada	Surveyor	4	5

14. Organizational Chart:



15. Minimum Personnel Requirements:

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 / certification & number	State of license	License / certification expiration date
1	Richard R. Shread	**Shread-Kuyrkendall & Associates, Inc.**	P.E. (Civil) 18983	LA	9/30/22
2	Richard R. Shread	**Shread-Kuyrkendall & Associates, Inc.**	P.E. (Civil) 18983	LA	9/30/22
3	Ripley W. "Gary" McClure	**Shread-Kuyrkendall & Associates, Inc.**	P.E. (Civil) 24035	LA	9/30/22
4	Brad Holleman	**Forte and Tablada, Inc.**	P.L.S. 5082	LA	9/30/22
4	Gerald Middleton	**Forte and Tablada, Inc.**	P.L.S. 4856	LA	9/30/23
5	Brad Holleman	**Forte and Tablada, Inc.**	P.L.S. 5082	LA	9/30/22
5	Gerald Middleton	**Forte and Tablada, Inc.**	P.L.S. 4856	LA	9/30/23
6	John P. Raymond	**Shread-Kuyrkendall & Associates, Inc.**	P.E. (Civil) 27988	LA	9/30/22

16. Staff Experience:

Firm employed by Shread Kuyrkendall & Associates, Inc.					
Name	**Richard R. Shread, P.E., P.L.S.**		Years of relevant experience with this employer	34	
Title	PRINCIPAL		Years of relevant experience with other employer(s)	14	
Degree(s) / Years / Specialization			B.S. / 1974 / Civil Engineering MBA / 1979 / Business Admin		
Active registration number / state / expiration date			18983 / LA / September 30, 2022 PLS. No. 4695 / LA / September 30, 2022		
Year registered	1980/1993	Discipline	Civil Engineering / Land Surveyor		
Contract role(s) / brief description of responsibilities			Mr. Shread, principal managing officer, is responsible for overall financial, personnel and policy management. In addition, he shares responsibility for business development and continues to serve as Principal-in-Charge for contract administration on specific projects. Mr. Shread's role will be Principal. **(MPR 1 & 2)**		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).				
Bridge Design					
04/19 – 06/20	**H.000710 / Comite River Diversion / LA 964:** *East Baton Rouge Parish* – This project consisted of a **single bridge** approximately 350 feet long, with a finished cross-sectional clear width of 44 feet. The new bridge was designed using AASHTO Type III girders and is in super-elevation. A temporary diversion will be used during bridge and canal construction. Mr. Shread was the principal in responsible charge of the preliminary and final plans.				
10/16-Present	**H.011152 / I-12 Widening (US 190 to LA 59):** *St. Tammany Parish* – (Subconsultant to T. Baker Smith, LLC) Mr. Shread served as a principal in responsible charge of the Preliminary & Final Design of **I-12 bridges over US 190**, including 3 – 12' travel lanes, 12' inside shoulders and 12' outside shoulder. The design included AASHTO Type II & Type IV P.S. Girders. Total length of the two bridges 680 ft. each.				
06/10-12/12	**H.007811 / US 61 Bridge over the Comite River Diversion:** *East Baton Rouge Parish* – This is a bridge and roadway project being funded through the COE for the future Comite River Diversion Canal. US 61 is a four lane divided highway with **twin span bridges** crossing the canal. Each bridge consisted of 5-70 foot Type III Girder spans over a skewed channel with two continuous units for a total bridge length of 350'. Mr. Shread served as principal for this project.				
06/04- 11/06	**742-17-0147 / Sullivan Bridge and CN & IC Railroad Bridge/Central Thruway:** *East Baton Rouge Parish* – The Sullivan Bridge is a 2 span continuous unit consisting of 5-75 foot Type III Girder spans on a curve for a total length of 375 feet. The **CN & IC RR Bridge** has 7 continuous units consisting of 18-75 foot Type III Girder spans with 1-110 foot Type BT-63 Girder span over the railroad for a total length of 1,450 feet. Mr. Shread has served as project manager from the start of the project until its completion.				

11/13-02/15	**13-BR-LA-0003, 13-BR-LA-0012, 13-BR-LA-0014 / Multiple Bridge Replacements:** *East Baton Rouge Parish* – Mr. Shread was principal in responsible charge for the bridges located on Mollylea Drive, Claycut Drive, and Albert Drive in Baton Rouge that were in poor condition. The Parish contracted with SKA to replace these bridges and to make channel improvements as needed. Environmental clearance through a Categorical Exclusion (CE) was obtained and the bridges were replaced. These bridges required detour measures that were accommodating to the local area. **Hydraulic analysis** was performed to determine the required bridge opening and any necessary scour protection was identified. HEC-RAS and LADOTD Hydraulics software was used for the analysis.
Bridge & Roadway Design	
06/18-Present	**H.001799 / LA 531 Overpass:** *Webster Parish* – As principal, Mr. Shread is overseeing that Shread-Kuyrkendall & Associates is providing preliminary plans for roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement. The project is approximately 0.3 miles long along LA 531. Roundabouts will be constructed at the I-20 entrance/exit ramp intersections with LA 531 both to the north and south of the LA 531 overpass.
04/14-Present	**H.004435 / LA 3241 (LA 36 to LA 435):** *St. Tammany Parish* – Currently in final plan phase. As principal, Mr. Shread is overseeing that Shread-Kuyrkendall & Associates is providing final plans for a new alignment which involves 8 miles of 4 lane divided rural arterial freeway, which includes twin span bridges at two locations. Each bridge will have seven spans of varying lengths using Type III PPC Girders.
10/12-Present	**H.009266 / I-10 (LA 73 to LA 30):** *Ascension Parish* – Our firm was contracted to provide topographic survey services and preliminary and final roadway and bridge design services to widen I-10 from a 4-lane freeway section to a 6 lane freeway section. The roadway section is approximately 4.5 miles long. The bridge design services include the widening or replacement of the overpasses at LA 429 and LA 30, as well as the bridges at Bayou Smith. Mr. Shread serves as principal, overseeing implementation of the design for this project.
10/10-Present	**H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange:** *East Baton Rouge Parish* – Mr. Shread served as supervisor for Louisiana's first Diverging Diamond Interchange (DDI). The project was ultimately broken into three separate phases and design plans to facilitate federal redistribution funding requirements, and the design team was challenged with an accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road.
02/04- 11/09	**H.007154, H.007152, H.002303 / Central Thruway:** *East Baton Rouge Parish* – This project involved the design and construction of a 2-lane roadway for 5.2 miles on a new alignment including seven bridges. Also included in the scope of this project was a corridor study, an environmental assessment, topographic surveys, right-of-way maps and property surveys. Mr. Shread has served as project manager from the start of the project until its completion.

16. Staff Experience:

Firm employed by Shread Kuyrkendall & Associates, Inc.					
Name	**Ripley "Gary" W. McClure, P.E.**		Years of relevant experience with this employer	31	
Title	ENGINEERING SUPERVISOR		Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			B.S. / 1982 / Civil Engineering		
Active registration number / state / expiration date			24035 / LA / September 30, 2022		
Year registered	1988 /1994	Discipline	Civil Engineering / Environmental Engineering		
Contract role(s) / brief description of responsibilities			Mr. McClure's role will be Engineering Supervisor and Lead Bridge Design (**MPR 3)**		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).				
Bridge Design					
03/21-Present	**20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector Railroad Bridge:** *East Baton Rouge Parish* – Presently, an existing at grade rail crossing with two (2) tracks. EBR has contacted with SKA to build an underpass of the roadway beneath the existing railroad. This project involves a steel girder railroad bridge overpass of an arterial road in Baton Rouge. This bridge will be constructed with the railroad remaining live which requires significant shoring with temporary sheeting, waler, and rakers to build one track at a time. Steel girders are the design preference by KCS with a concrete deck and ballast for the railway which is being designed by Mr. McClure.				
04/19 – 06/20	**H.000710 / Comite River Diversion / LA 964:** *East Baton Rouge Parish* – This project consisted of a **single bridge** approximately 350 feet long, with a finished cross-sectional clear width of 44 feet. The new bridge was designed using AASHTO Type III girders and is in super-elevation. A temporary diversion will be used during bridge and canal construction. Mr. McClure was the project supervisor and provided oversight and checking of the bridge components.				
10/16 – 08/19	**H.011152 / I-12 Widening (US 190 to LA 59):** *St. Tammany Parish* – Mr. McClure was the bridge design engineer for this project. He designed all girders, column bents, spans, sign supports and all other aspects of the bridges. This section of I-12 (US 190 to LA 59) is being widened from 4 lanes to 6 lanes. Shread-Kuyrkendall's involvement is with the **two bridges over US 190** as a subconsultant. This design includes 3 – 12 foot travel lanes, 12 foot inside shoulder and 12 foot outside shoulder. The design includes AASHTO Type II & Type IV P.S. Girders. Total length of the two bridges is 680 feet each.				
10/12-Present	**H.009266 / I-10 (LA 73 to LA 30):** *Ascension Parish* – A bridge and roadway project that is to be widened from four lanes to six lanes. Consisting of **eight girder span bridges with column and pile bents** configurations.				

Cont'd	Mr. McClure is the lead bridge design engineer for the widening/replacement of the overpass of LA 73, LA 429, Smith Bayou, and LA 30.
10/10-Present	**H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange:** *East Baton Rouge Parish* – Mr. McClure served as supervisor and bridge design engineer for **Louisiana's first Diverging Diamond Interchange (DDI).** The project was ultimately broken into three separate phases and design plans to facilitate federal redistribution funding requirements, and the design team was challenged with an accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road.
06/10-12/12	**H.007811 / US 61 Bridge over the Comite River Diversion:** *East Baton Rouge Parish* – This is a bridge and roadway project being funded through the COE for the future Comite River Diversion Canal. US 61 is a four lane divided highway with **twin span bridges** crossing the canal. Each bridge consisted of 5-70 foot Type III Girder spans over a skewed channel with two continuous units for a total bridge length of 350'. Mr. McClure served as project manager and bridge design engineer for this project.
04/07- 11/09	**742-17-0148 / Beaver Bayou Bridge No. 2 and Beaver Bayou Bridge No. 3 Bridges / Central Thruway:** *East Baton Rouge Parish* – Mr. McClure was the bridge design engineer for this project. These bridges consisted of Quad Beam girder spans over Beaver Bayou AASHTO Type III girder spans over Beaver Bayou.
11/13-02/15	**13-BR-LA-0003, 13-BR-LA-0012, 13-BR-LA-0014 / Multiple Bridge Replacements:** *East Baton Rouge Parish* **–** Mr. McClure was lead bridge engineer and supervisor for the bridges located on Mollylea Drive, Claycut Drive, and Albert Drive in Baton Rouge that were in poor condition. The Parish contracted with SKA to replace these bridges and to make channel improvements as needed. Environmental clearance through a Categorical Exclusion (CE) was obtained and the bridges were replaced. These bridges required detour measures that were accommodating to the local area. **Hydraulic analysis** was performed to determine the required bridge opening and any necessary scour protection was identified. HEC-RAS and LADOTD Hydraulics software was used for the analysis.

16. Staff Experience:

Firm employed by Shread Kuyrkendall & Associates, Inc.					
Name	**John P. Raymond, P.E.**			Years of relevant experience with this employer	30
Title	SENIOR DESIGN ENGINEER			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 1992 / Civil Engineering		
Active registration number / state / expiration date			27988 / LA / September 30, 2022		
Year registered	1998	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Raymond's role will be Roadway Design. **(MPR 6)**		

Roadway Design	
06/18-Present	**H.001799 / LA 531 Overpass:** *Webster Parish* – Shread-Kuyrkendall & Associates is providing preliminary plans for roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement. The project is approximately 0.3 miles long along LA 531. Roundabouts will be constructed at the I-20 entrance/exit ramp intersections with LA 531 both to the north and south of the LA 531 overpass. Mr. Raymond served as project manager and road design engineer for this project.
06/17-Present	**H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):** *East Baton Rouge Parish* – Shread-Kuyrkendall & Associates is designing project plans for the implementation of a multi-lane roundabout with right turn slip lanes at the intersection at Hooper Rd (LA 408) at Sullivan Rd (LA 3034) in Central. The roundabout is being designed in conjunction with planned improvements to both Hooper and Sullivan Roads to improve safety and operation of the intersection. Mr. Raymond is the project manager and road design engineer for this project.
04/14-Present	**H.004435 / LA 3241 (LA 36 to LA 435):** *St. Tammany Parish* – Currently in the final plan phase. Mr. Raymond is managing and designing the roadway work for LADOTD for approximately eight miles of a new alignment in St. Tammany Parish. This new roadway is a four-lane rural arterial freeway (roadway classification RA-3). Responsibilities include project management, geometric and hydraulic design, sequence of construction, design of superelevation, earthwork, and tabulation of quantities.
10/12-Present	**H.009266 / I-10 (LA 73 to LA 30):** *Ascension Parish* – Currently in design, Mr. Raymond is managing and designing the roadway work for LADOTD for the widening of approximately 4.5 miles of Interstate 10 from LA 73 to LA 30. Project scope includes widening the interstate from two lanes in each direction to three lanes in each direction. Responsibilities include project management, geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities.

10/10-Present	**H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange:** *East Baton Rouge Parish* – Mr. Raymond served as project manager and lead design engineer for Louisiana's first Diverging Diamond Interchange (DDI). Mr. Raymond led a team of seven local firms to provide Preliminary and Final plans for this high profile project which included City-Parish, LADOTD, and Federal involvement and funding. The project was ultimately broken into three separate phases and design plans to facilitate federal redistribution funding requirements, and the design team was challenged with an accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road.
8/10-1/15	**H.003107 / French Branch Bridge – West Pearl River Bridge (I-10/I-12/I-59):** *St. Tammany Parish* – This project included the pavement preservation of the I-10/I-12/I-59 interchange. The improvements and repairs included rubblization, pavement replacement, and overlay for cross slope correction. Mr. Raymond assisted in the design of this project.
04/10- 06/11	**H.007152 / Central Thruway Paving (Frenchtown Road to Greenwell Springs Road):** *East Baton Rouge Parish* – Mr. Raymond designed subproject for Central Thruway which involved implementation of pavement over existing earthwork project previously let. Plan preparation for pavement placement, geometrics, joint layouts, earthwork, and quantities.
02/09- 11/10	**H.002303 / LA 37 @ Central Thruway:** *East Baton Rouge Parish* – Mr. Raymond designed urban intersection and roadway improvements (UA-2) for LADOTD and the Baton Rouge Green Light Plan. Designed urban drainage, horizontal and vertical alignments, geometrics, joint layouts, graphical grades, sequence of construction, earthwork, and quantities.
11/07-12/14	**H.009064, H.009987, H.009717, H.009712 et. al./ LADOTD Submerged Roads Program (Paths to Progress) (Phase A and Phase B):** *Multiple Parishes* – Mr. Raymond designed and managed the repair of urban roadways damaged during Hurricane Katrina. Recommended repairs for 25+ urban streets in Orleans, Jefferson, and St. Bernard Parishes. Identification of base failures, recommended repairs, development of typical sections, sequence of construction and quantities.
10/07- 01/10	**258-32-0022 / Essen Lane (LA 3064 at Interstate 10):** *East Baton Rouge Parish* – Mr. Raymond designed and managed urban intersection improvements (UA-2) for LADOTD and the Baton Rouge Green Light Plan. Designed geometry to implement dual left-turn lanes on Essen Lane and additional I-10 ramp lanes. Designed urban drainage, horizontal and vertical alignments, geometrics, joint layouts, graphical grades, sequence of construction, earthwork, and quantities.
10/06- 08/07	**258-31-0015 & 258-33-0006 / Burbank Drive / LA 42 (Bluebonnet to Highland):** *East Baton Rouge Parish* – Mr. Raymond designed and managed addition of two new lanes of rural highway and urban connecting intersections for LADOTD and the Baton Rouge Green Light Plan. Designed urban and rural drainage, horizontal and vertical alignments, superelevation, geometrics, joint layouts, graphical grades, sequence of construction, earthwork, and quantities.

16. Staff Experience:

Firm employed by Shread Kuyrkendall & Associates, Inc.					
Name	**Niccola D. Gill, P.E.**			Years of relevant experience with this employer	20
Title	SENIOR DESIGN ENGINEER			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2002 / Civil Engineering		
Active registration number / state / expiration date			32914 / LA / March 31, 2023		
Year registered	2007	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Ms. Gill's role will be Bridge Design.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).				
Bridge Design					
03/21 - Present	**20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector Railroad Bridge:** *East Baton Rouge Parish* Presently, an existing at grade rail crossing with two (2) tracks. EBR has contacted with SKA to build an underpass of the roadway beneath the existing railroad. This project involves a steel girder railroad bridge overpass of an arterial road in Baton Rouge. This bridge will be constructed with the railroad remaining live which requires significant shoring with temporary sheeting, waler, and rakers to build one track at a time. Steel girders are the design preference by KCS with a concrete deck and ballast for the railway. Ms. Gill is one of the primary designers for the bridge and Project Manager.				
07/07 - 01/09	**89086.14 / Church Street Bridge and the Spring Street Bridge Replacement / Clinton, LA:** *East Feliciana Parish* – Ms. Gill was the bridge design engineer for this project which consisted of two bridges located within the Town of Clinton in need of replacement due to age and general wear.				
04/14 - Present	**H.004435 / LA 3241 (LA 36 to LA 435):** *St. Tammany Parish* – Ms. Gill is the bridge design engineer for this project and is responsible for the design of the caps, Type III girders, deck, and other parts of the bridges in accordance with the most recent AASHTO LRFD requirements. Ms. Gill utilized LEAP software for all aspects of the bridge such as girders and caps. Additionally, she performed **hydraulic analysis** for the bridges using HEC-RAS software to establish the pile spacing and location of the bridges as well as velocities and scour potential.				
10/12 - Present	**H.009266 / I-10 (LA 73 to LA 30):** *Ascension Parish* – Ms. Gill is the bridge design engineer for this project consisting of a bridge and roadway project that is to be widened from four lanes to six lanes. This project has **8 girder span bridges with column and pile bents configurations**. Bridge evaluation and rating was performed followed by recommendations made to the LADOTD Bridge Design Section to either widen or replace the existing bridges. Ms. Gill designed girders, spans, and column bents. She also performed **hydrologic and hydraulic analyses** for the Smith Bayou bridge.				
04/07- 11/09	**742-17-0148 / Beaver Bayou Bridge No. 2 and Beaver Bayou Bridge No. 3 Bridges / Central Thruway:** *East Baton Rouge Parish* – Beaver Bayou Bridge No. 2 has 3 continuous units consisting of 7-40 foot Quad Beam Girder spans				

Cont'd	over Beaver Bayou with a total length of 280 feet. This bridge has skewed spans for its entire length to accommodate the channel crossing. Beaver Bayou Bridge No. 3 has 2 continuous units consisting of 5-75 foot Type III Girder spans over Beaver Bayou with a total length of 375 feet. Ms. Gill designed the bent caps and continuous spans for these bridges. She also performed **hydrologic and hydraulic analyses** for the bridges and evaluated these bridges individually and as a basin. She was instrumental in determining pile spacing and location as well as velocities and scour protection.
06/04- 11/06	**742-17-0147 / Sullivan Bridge and CN & IC Railroad Bridge / Central Thruway:** *East Baton Rouge Parish* – The Sullivan Bridge is a 2 span continuous unit consisting of 5-75 foot Type III Girder spans on a curve for a total length of 375 feet. The **CN & IC RR Bridge** has 7 continuous units consisting of 18-75 foot Type III Girder spans with 1-110 foot Type BT-63 Girder span over the railroad for a total length of 1,450 feet. Ms. Gill designed the bents and spans for these bridges. She also performed **hydrologic and hydraulic analyses** for the bridges and evaluated these bridges individually and as a basin.
11/13-02/15	**13-BR-LA-0003, 13-BR-LA-0012, 13-BR-LA-0014 / Multiple Bridge Replacements:** *East Baton Rouge Parish* **–** Ms. Gill provided **hydrology and hydraulic analysis** of the bridges as well as scour analysis. She was also the design engineer for these bridges located on Mollylea Drive, Claycut Drive, and Albert Drive in Baton Rouge. Environmental clearance through a Categorical Exclusion (CE) was obtained and the bridges were replaced. Ms. Gill's hydraulic analysis was performed to determine the required bridge opening and scour analysis for pile lengths and to determine the type protection needed for the improved channel. HEC-RAS and LADOTD Hydraulics software was used for the analysis.
06/18-Present	**16-BR-PT-0019 / Port Hickey Road Bridge Replacement:** *East Baton Rouge Parish* – Ms. Gill was the design engineer for this bridge and performed the **hydraulic analysis** for the bridge and to determine alternative structures. Discharging into the Mississippi River, **i**t is not unusual for the existing bridge to become inundated when the Mississippi River stages are high. The Parish contracted with SKA to evaluate replacing the bridge with a higher elevation, to replace the bridge with reinforced box culverts, or to replace the bridge with a three (3) sided precast concrete bridge structure.
10/10-Present	**H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange:** *East Baton Rouge Parish* – Ms. Gill served as environmental support and **hydraulic design engineer** for **Louisiana's first Diverging Diamond Interchange (DDI)**. SKA led a team of seven local firms to provide Preliminary and Final plans for this high profile project which included City-Parish, LADOTD, and Federal involvement and funding. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road.

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by	FORTE & TABLADA				
Name	Russell "Joey" Coco, P.E., MBA			Years of relevant experience with this employer	7
Title	President/CEO			Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			BSCE / 2000 / LSU MBA / 2006 / LSU Coastal Engineering Certificate / 2008 / Old Dominion University		
Active registration number / state / expiration date			31337 / LA / 09/30/2022		
Year registered	2004	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Principal-in-Charge		

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).
08/20-Ongoing	4400017598 Rural Bridge Replacement Initiative, Statewide – Principal overseeing topographic survey for state bridges in accordance with LADOTD's Location and Survey Manual. Property surveys and right of way mapping will be provided as need arises.
1/20 - 10/20	H.012588, H.012169, H.012587, I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes- Principal overseeing complete topographic survey, approximately 18.3 miles, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
05/19-09/19	H.000303.6- Danziger Bridge Rehabilitation, Orleans Parish, LA- Principal overseeing survey investigation of Danziger Bridge. Included laser scanning and comparison of actual conditions to original plans.
10/18 – 12/18	4400010587- Sunshine Bridge Repair- St. James Parish, LA- LADOTD- 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.
11/19 - 11/20	S.P. No. H.012083.5- Calcasieu River Bridge Investigation- Calcasieu Parish, LA- LADOTD- Principal overseeing laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA.
01/18-6/19	H.004100- I-10 (LA 415 to Essen Lane on I-10 and I-12)- East and West Baton Rouge Parishes- LADOTD- Principal overseeing topographic survey of the work between LSU lakes and Essen Lane.
05/17-10/18	H.004791.5- Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, LA- Principal-in- charge for comprehensive topographic surveying services for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.
06/17-02/19	Amite River Basin Model- Hydrographic Survey- Livingston Parish, LA- Principal-in-Charge to provide hydrographic surveying of the Amite River and Comite River. Tasks included typical cross-sections of these rivers, as well as detailed 3-D bathymetric data collected with sonar equipment, ground control for LIDAR of the Amite River Basin, and a high-resolution survey of the Amite River Diversion Weir utilizing a variety of techniques including multi-beam sonar and traditional survey methods.

10/18-On going	East Baton Rouge Stormwater Masterplan- East Baton Rouge Parish, LA- Principal-in-Charge for hydrographic surveying of bayous and creeks located within East Baton Rouge Parish for the EBR Stormwater Masterplan. The work consists of establishing cross-sections and stream bed profiles along their length.
5/17 - 10/17	S.P. No. H.013052- LA 442 Tangipahoa River Bridge Replacement- Tangipahoa Parish, LA- LADOTD- 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.
08/19-Ongoing	H.011670-I-10/Loyola Interchange Improvements - Kenner, LA – Principal-in-Charge overseeing Topographic Survey, Right-of-Way Survey, and Drainage Survey. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd.
11/18-04/19	H.011684.5-LA 327 Spur: Staring Lane Extension – East Baton Rouge Parish – Principal-in-Charge for comprehensive topographic surveying services and developing a drainage map for the Staring Lane Extension project for LA DOTD. Included in this work was a survey performed utilizing traditional methods and terrestrial laser scanning of roadway surfaces.
09/17-12/19	S.P. No. H.011808.5- Palmetto Co. Canal Bridge - St. Landry Parish, LA - Principal-in-Charge to provide property surveys, title take-offs, and right-of-way map services for the removal and replacement of a timber trestle bridge that spans Bayou Des Glaises, located along La. Hwy. 10 in St. Landry Parish.
06/18-12/19	LA 98: Roundabout at Mills St - Lafayette Parish, LA – Principal-in-Charge for right of way surveys for this project that requires construction of new roundabout at the intersection of Mills Street and W. Gloria Switch Road (LA Hwy 98) in Lafayette Parish, Louisiana.
02/17-03/18	H.010753.5 – US 90 / I-310 Interchange – St. Charles Parish, LA – LA DOTD – Principal-in-Charge responsible for topographic surveying and 3-D laser scanning at the intersection of US90 and I-310 in St. Charles Parish. This project will allow improvements for safety and efficiency. The complete topographic survey includes all utilities with depths and all drainage required along with finish floor elevations of all buildings that fall within the survey limits.
08/14-Ongoing	H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD – 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.
05/17-Ongoing	S.P. No. H. 009859.5- Load Rating of Bridges – Statewide, LA – LA DOTD – Served as a review engineer for load rating of statewide bridges.
01/10-12/12	S.P. No. 450-10-0159- I-10: Siegen Lane to Highland Road Design Build ITR — East Baton Rouge Parish, LA – LA DOTD – Served as leader of Independent Technical Review of all bridge structures.

16. Staff Experience:

Firm employed by FORTE & TABLADA				
Name	Bradley S. Holleman, P.L.S., E.I.		Years of relevant experience with this employer	1
Title	Senior Vice President, Survey/Advanced Measurements & Modeling		Years of relevant experience with other employer(s)	14.5
Degree(s) / Years / Specialization			BSCE /2009 / Civil Engineering with a Minor in Land Surveying/LSU	
Active registration number / state / expiration date			5082 / LA / 9/30/2022	
Year registered	2012	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities			Surveyor-In-Charge **(MPR 4 & 5)**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/18 – 04/20	H.004100 I-10: LA 415 to Essen Lane - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
04/20 – 11/20	H.000688 US 11 Norfolk Southern RR Overpass - Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the design of a new US 11 overpass over Norfolk Southern Railroad. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
3/17 – 3/18	H004987 US 190 Collins Blvd - Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of capacity improvements on US 190 in Covington. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
5/18 – 4/19	H.012591 I-10 Paris Road Lake Pontchartrain - Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
12/14 – 3/16	H.011137 & H.011152 I-12 (LA 21 to LA 59) – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
12/19 – 11/20	H.001344 US 190: LA 437 – US 190 (BUS) - Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of improvements along US 190 form La 437 to US 190 (BUS). The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
4/18 – 9/18	H.010601 I-10: La 328 to La 347 - LA DOTD -South Louisiana Survey Retainer – Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a improvements along Interstate 10 from LA 328 to La 347. The work

	consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
11/16 – 5/17	H.002980 I-10 Overpass over US 165 – LA DOTD -South Louisiana Survey Retainer – Surveyor-in-Charge for the property survey and right of way map. This project was for the improvements to the I-10 US 165 interchange. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
06/12-10/12	H.009978 Bayou L'Ourse Bridge – LA DOTD -South Louisiana Survey Retainer – Project Manager for the property survey and right of way map. This project was for a bridge replacement over Bayou L'Ourse. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
01/16-11/16	H.009486 US 90 Bayou Bridge – LA DOTD -South Louisiana Survey Retainer – Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a bridge replacement of US 90 over Bayou Bridge. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
01/19 –04/19	H.001352 Comite River Diversion Bridge LA 67 - LA DOTD -South Louisiana Survey Retainer – Surveyor-in-Charge for the property survey and right of way map. This project was for the construction of a Comite Diversion River in East Baton Rouge Parish. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
08/20 – 11/20	H.004100 I-10 LA 415 to Essen Lane Property Survey - Surveyor-in-Charge for the property survey. This project was for the construction of Interstate 10 improvements from The Mississippi River to College Drive in East Baton Rouge Parish. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
3/12 – 11/12	H.0023586 LA 16 at LA 22 Roundabout- Livingston Parish - LA DOTD -South Louisiana Survey Retainer – Project Manager for the property survey and right of way map. This project was for the construction of a roundabout at the intersection of La 22 and La 16. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction.
05/12–09/12	H.009456 – Tchefuncte River Bridge – Surveyor-in-Charge for the topographic survey and existing drainage map. This project was for a bridge replacement over the Tchefuncte River in Tangipahoa Parish. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
09/13–03/14	H.002375 Amite River Bridge Near French Settlement – Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for constructing a new bridge over Amite River in French Settlement Louisiana to the replace the existing swing bridge. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.
01/19-04/19	H.012735 La 182 Barrow Street Bridge - Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of a new bridge on La 182 in Houma. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all building that fall within the survey limits.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	Gerald Middleton, P.L.S.		Years of relevant experience with this employer	8
Title	Surveyor		Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization				
Active registration number / state / expiration date			4856 / LA / 09/30/2023	
Year registered	1999	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities			Surveyor **(MPR 4 & 5)**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/12-12/20	H.012308- Cook Road Improvements, Livingston Parish, LA – Surveyor for 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.
1/20 - 10/20	H.012588, H.012169, H.012587, I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes- Survey Manager for complete topographic survey, approximately 18.3 miles, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
06/18-12/19	H.012393- LA 98: Roundabout at Mills St., Lafayette Parish, LA- QC Reviewer to provide right of way surveys for this project that requires construction of new roundabout at the intersection of Mills Street and W. Gloria Switch Road (LA Hwy 98) in Lafayette Parish, Louisiana.
11/16 -01/18	East Baton Rouge Computerized Traffic Signals-Phase VB, East Baton Rouge Parish, LA – Surveyor responsible for survey and mapping of eight intersections in Baton Rouge for the construction and installation of new computerized traffic synchronization equipment and components.
08/18-11/18	Bear Industries Survey, St. Gabriel, LA- Supervising professional for boundary and topographic surveys subdividing approx. 170 acres in Carville, La for Bear Industries including location and establishment of approx. 2,000 feet of Miss. River frontage boundary, levee and road right of way utilizing conventional and RTK GPS surveying methods.
09/17-12/19	S.P. No. H.011808.5- Palmetto Co. Canal Bridge- St. Landry Parish, LA- QC Reviewer 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.
8/19-On going	H.011670-I-10/Loyola Interchange Improvements- Kenner, LA- QC Reviewer for Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd.
05/17-10/18	H.004791.5- Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, LA- QC Reviewer 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.
01/18-6/19	H.004100- I-10 (LA 415 to Essen Lane on I-10 and I-12)- East and West Baton Rouge Parishes- LA DOTD- QC Reviewer for topographic survey of the work between LSU lakes and Essen Lane.
03/15-09/20	Travis Street and George Mashon Road Off-System Bridge Replacement, Livingston Parish, LA – Right-of-Way Surveying for the replacement of George Mashon Road and Travis Street Bridges.

02/17-03/18	H.010753.5- US 90 / I-310 Interchange, St. Charles Parish, LA- QC Reviewer responsible for topographic surveying and 3-D laser scanning at the intersection of US-90 and I-310 in St. Charles Parish.
08/14-Ongoing	H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD – QC Reviewer 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.
03/13-07/15	H.004698 – Almonaster Avenue Lift Bridge – Orleans Parish, LA – LA DOTD – QC Reviewer responsible for performing topographic and property surveys, developing a drainage map, establishing existing right-of-way for the north line of I- 10, Almonaster Avenue, and CSX Railroad property, and establishing elevations to develop a Digital Terrain Model with widths matching the limits of the topographic survey.
01/16-05/18	REG Geismar Land Acquisition- Alta, Geismar, LA- Supervising professional for boundary and topographic surveys subdividing Tract A-4 in Geismar, La for REG including location and establishment of approx. 1,300’ of Miss. River frontage boundary, levee and road right of way utilizing conventional and RTK GPS surveying methods.
05/17-10/17	LA 442 Tangipahoa River Bridge Replacement, Tangipahoa Parish, LA- QC Reviewer to provide 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.
10/13-10/14	H.002365.5 – LA 63: Bridges near Bluff Creek – East Feliciana Parish, LA – LA DOTD – Provided topographic surveys in preparation for bridge replacements with drainage structures along three portions of the existing highway including utility location and depths. Finished floor elevations of all buildings that fall within the survey limits were determined.
1/12	Derrick Road Bridge, Iberville Parish, LA – Survey manager responsible for right-of-way maps.
1/16	Price Street Drainage Improvements, Iberville Parish, LA – Mr. Middleton was responsible for Right of way and topographic surveys to support engineering services for a drainage study of the major drainage watershed in the area. Once the study was completed, construction plans and specifications were developed for conversion of open channel to sub-surface drainage. Construction included removal and replacement of 20’ of roadway with curb and gutter roadway, installation of large diameter metal arch drain pipes, 1500’ of drain line and catch basins.

16. Staff Experience:

Firm employed by FORTE & TABLADA					
Name	Ross A. Wilson, P.L.S.			Years of relevant experience with this employer	10
Title	Surveyor			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			B.S. / 2010 / Geomatics		
Active registration number / state / expiration date			5148 / LA / 03/31/2022		
Year registered	2015	Discipline	Land Surveying		
Contract role(s) / brief description of responsibilities			Surveyor		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21-06/21	H.014628- LA 397: Turn Lanes at Rice Mill - Surveyor responsible for topographic surveying at the intersection of LA 397 and Joe Spears Rd. in Calcasieu Parish.
8/19- 1/20	H.011670-I-10/Loyola Interchange Improvements- Kenner, LA- Project Manager providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd.
6/20 - Ongoing	H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative; 7 State Projects Numbers (22 Structures) in Districts 04, 05, 08 and 58 – Surveyor for topographic and property surveying of 22 bridges in Louisiana.
1/20 - 10/20	H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes- Project Manager for complete topographic survey, approximately 18.3 miles, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
11/19 – 12/20	H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA- Surveyor to provide laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
12/19 – 9/20	H.011970- Bayou Terrebonne Bridges – Surveyor for the Bayou Terrebonne bridge along with the entire intersection and adjacent roads.
11/18-04/19	H.011684 LA 327 Spur: Staring Lane Ext. Route LA 327-S- East Baton Rouge Parish, LA- Project Manager for a topographic survey for this project which is located in East Baton Rouge Parish, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. A complete Topographic survey including all utilities with depths and all drainage was required, along with finish floor elevations of all buildings that fall within the survey limits.
05/17-10/18	H.004791.5- Belle Chasse Bridge and Tunnel Replacement Hydrographic Survey- Plaquemines Parish, LA- Surveyor 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.
6/18 -12/19	H.012393- LA 98: Roundabout at Mills St., Lafayette Parish, LA- Project Manager to provide right of way surveys for this project that requires construction of new roundabout at the intersection of Mills Street and W. Gloria Switch Road (LA Hwy 98) in Lafayette Parish, Louisiana.

1/12 – 12/20	H.012308- Cook Road Improvements, Livingston Parish, LA – Surveyor for 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.
01/18-6/19	H.004100- I-10 (LA 415 to Essen Lane on I-10 and I-12)- East and West Baton Rouge Parishes- LA DOTD- Project Manager for topographic survey of the work between LSU lakes and Essen Lane.
02/17-03/18	H.010753.5- US 90 / I-310 Interchange, St. Charles Parish, LA- Surveyor responsible for topographic surveying and 3-D laser scanning at the intersection of US-90 and I-310 in St. Charles Parish.
8/14-Ongoing	H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD – Survey Manager 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.
03/13-07/15	H.004698 – Almonaster Avenue Lift Bridge – Orleans Parish, LA – LA DOTD – Survey Manager responsible for performing topographic and property surveys, developing a drainage map, establishing existing right-of-way for the north line of I- 10, Almonaster Avenue, and CSX Railroad property, and establishing elevations to develop a Digital Terrain Model with widths matching the limits of the topographic survey.
10/18-02/19	H.012343 Sunshine Bridge Repair- Surveyor responsible for establishing control on and near the Sunshine Bridge to use survey and laser scanning methods to monitor the damage on the bridge. This project included utilizing LiDAR data.
06/19–09/19	H.000303.6- Danziger Bridge Repair, Orleans Parish, LA- Surveyor for Topographic and Monitoring survey and laser scanning of Danziger bridge. This survey is necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge. This project included utilizing LiDAR data.
5/17 – 10/17	H.013052- LA 442 Tangipahoa River Bridge Replacement, Tangipahoa Parish, LA- Surveyor to provide 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.
9/17 – 12/19	S.P. No. H.011808.5- Palmetto Co. Canal Bridge- St. Landry Parish, LA- Surveyor 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.
10/13-10/14 06/21 - Ongoing	H.002365.5 – LA 63: Bridges near Bluff Creek – East Feliciana Parish, LA – LA DOTD – Provided topographic surveys in preparation for bridge replacements with drainage structures along three portions of the existing highway including utility location and depths. Finished floor elevations of all buildings that fall within the survey limits were determined. 4400019336 Rural Bridge Replacement Initiative Phase II – Survey Manager for topographic and property survey for state bridges in accordance with LADOTD's Location and Survey Manual.

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*		Survey/Road/Bridge
Project name	**I-10 (LA 73 to LA 30)**		Firm responsibility (prime or sub?)		Prime
Project number	H.009266	Owner's name	LADOTD		
Project location	Ascension Parish		Owner's Project Manager	Peggy Jo Paine	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1100 / Peggy.Paine@la.gov				
Services commenced by this firm (mm/yy)	10/12	Total consultant contract cost ($1,000's)			$ 1966
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$ 1214

Shread-Kuyrkendall & Associates, Inc. (SKA) was contracted to provide topographic survey services and preliminary and final roadway and bridge design services to widen I-10 from a four-lane freeway section to a six-lane freeway section. The roadway section is approximately 4.5 miles long and involves removing the inside shoulder and widening to the inside with a new 12' travel lane and 10' inside shoulder, with center barrier rail where median widths are narrow. The bridge design services include the **bridge superstructure replacement of the overpasses at LA 429 and LA 30**, **as well as the bridges at Bayou Smith including hydrologic/hydraulic analyses, and full replacement (substructure and superstructure) for the LA 73 interchange** to accommodate for future LA 73 improvements. The overall project corridor is nearly 16 miles and is being built to widen interstate 10 from Highland Road to LA 22 in East Baton Rouge and Ascension Parishes. SKA is providing project management, as well as design services for all phases of this project, and is working closely with designers for adjacent projects to ensure corridor continuity. In addition, at the request of LADOTD, SKA has investigated the feasibility of implementing an **innovative interchange design in the form of a Single Point Urban Interchange (SPUI) at LA 73.**

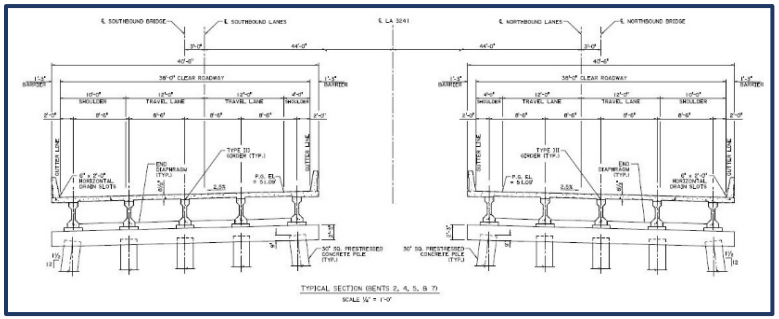
Firm Members Involved:
Richard R. Shread, P.E., P.L.S.(Principal)
Ripley "Gary" W. McClure, P.E.(Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Project Manager/Road Design)
Niccola D. Gill, P.E. (Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*		Survey/Road/Bridge
Project name	**LA 3241 (LA 36 to LA 435)**		Firm responsibility (prime or sub?)		Prime
Project number	H.004435	Owner's name	LADOTD		
Project location	St. Tammany Parish		Owner's Project Manager	Joe Umeozulu	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1100 / Joachim.Umeozulu@la.gov				
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost ($1,000's)			$ 3195
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$ 2127

Shread-Kuyrkendall & Associates (SKA) provided topographic services, preliminary and final roadway, and bridge design services for LA 3241 a new four-lane divided Rural Arterial Roadway proposed to be constructed in St. Tammany Parish, Louisiana. The overall project corridor is nearly 20 miles and is being built to connect Interstate 12 to the southern terminus of LA 21 in Bush, LA. This segment is approximately 8.1 miles is classified entirely as Rural Arterial. This entire section of LA 3241 will be designated as Control of Access with the exception of the last 3500' at the intersection of LA 3241 @ LA 435 in Talisheek, Louisiana. **Two new bridges (4 structures total)** will be built for this project to span Bayou Lacombe at two different locations, each approximately 500' long, with Type III Girder Spans. The existing topography is heavily wooded and very flat with high percentage of wetland. 90% of the project corridor is considered wetland which was considered in **hydraulic design** of the bridges as well as hydraulic analysis of the roadway. Innovative design alternatives were implemented during design as geometry was restricted to Restricted Crossing U-Turns (RCUT) at the major intersections and implementing J-Turns to accommodate U-turns and intersection thru movements.



Firm Members Involved:
Richard R. Shread, P.E., P.L.S.(Principal)
Ripley "Gary" W. McClure, P.E.(Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Project Manager/Road Design)
Niccola D. Gill, P.E. (Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	Road/Bridge	
Project name	**Central Thruway & Bridges**		Firm responsibility (prime or sub?)	Prime	
Project number	97-CS-HC-0015	Owner's name	East Baton Rouge City-Parish		
Project location	East Baton Rouge Parish		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821 / (225)389-3189 / tstephens@brla.gov				
Services commenced by this firm (mm/yy)	11/97	Total consultant contract cost ($1,000's)		$ 5,400	
Services completed by this firm (mm/yy)	05/13	Cost of consultant services provided by this firm ($1,000's)		$ 5,162	

The Central Thruway is an Urban Arterial (UA-2) located in the northeast quadrant of East Baton Rouge Parish that was completed with construction in 2013. It was a new alignment that connected O'Neal Lane at US 190 (Florida Boulevard) to LA 37 (Greenwell Springs) near Wax Road in the City of Central. Nearly four miles in length, this four lane divided highway crossed the Comite River, Beaver Bayou, and passed around wetlands, floodplains, and the Waddill Wildlife Refuge. **The Central Thruway consisted of seven bridges ranging from Pre-Stressed Concrete Bulb-Tee Girder Spans, Type III Girder Spans, and Quad Beams. Hydrologic and hydraulic analyses** were performed and evaluated for the bridges individually and as a basin

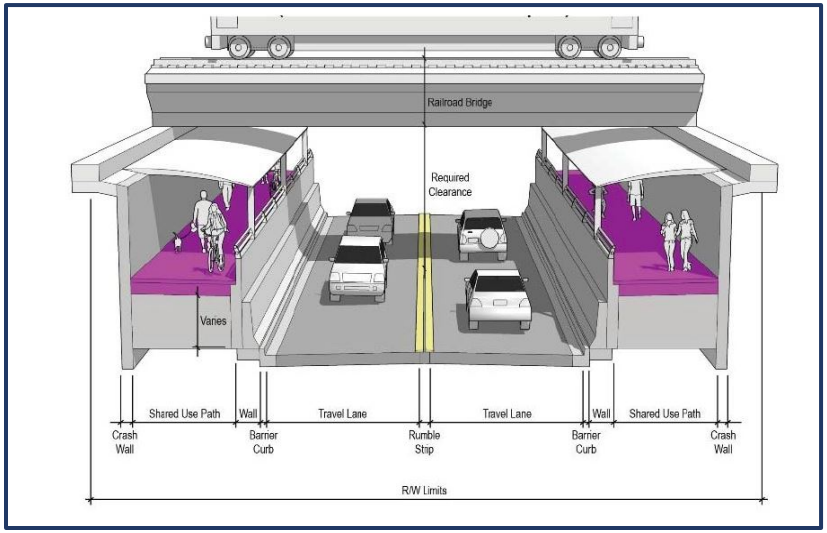
This project required permitting in accordance with the **NEPA** process and an Environmental Assessment. Corridor studies were performed with full environmental evaluation including "Line and Grade" studies for eight potential alignments. Public Meetings were held to provide awareness to the public and to receive their input. All tasks were performed by SKA for the Corridor Studies, Line and Grade Studies, Environmental Assessment, Public Meetings, and cost evaluation and comparison.

Firm Members Involved:
Richard R. Shread, P.E., P.L.S.(Project Manager)
Ripley "Gary" W. McClure, P.E.(Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Road Design)
Niccola D. Gill, P.E. (Bridge Design/Hydraulics)

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	Road/Bridge	
Project name	**Hennessey Boulevard – Perkins Road Connector**		Firm responsibility (prime or sub?)	Prime	
Project number	20-CS-HC-0015	Owner's name	East Baton Rouge City-Parish		
Project location	East Baton Rouge Parish		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821 / (225)389-3189 / tstephens@brla.gov				
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)		$ 624	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$ 216	

Shread-Kuyrkendall & Associates, Inc. (SKA) is presently in the Design Study Stage for an existing at grade rail crossing, this project involves **a steel girder railroad overpass** of an arterial road in Baton Rouge. This bridge will be constructed with the railroad remaining live which requires significant shoring as the roadway which will pass beneath the railway bridge. Steel girders are the design preference by KCS with a concrete deck and ballast for the railway. SKA is providing full road and bridge design services and is working with KCS Railroad in regard to the Bridge Design for the overpass structure to ensure all requirements are met in bridge design for the railroad. **Unique challenges for this project involve maintaining inline railroad traffic during construction.**



Firm Members Involved:
Richard R. Shread, P.E., P.L.S.(Principal)
Ripley "Gary" W. McClure, P.E.(Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Road Design)
Niccola D. Gill, P.E. (Project Engineer/Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	**I-12 Widening (US 190 to LA 59)**		Firm responsibility (prime or sub?)	Sub	
Project number	H.011152	Owner's name	LADOTD		
Project location	St. Tammany Parish		Owner's Project Manager	Jacob Fusilier	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1185 / Jacob.Fusilier@la.gov				
Services commenced by this firm (mm/yy)	10/16	Total consultant contract cost ($1,000's)		$ 2,397	
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)		$ 250	

This section of I-12 (US 190 to LA 59) is being widened from 4 lanes to 6 lanes. Shread-Kuyrkendall's involvement is with the **two bridges over US 190**. This design includes 3 – 12 foot travel lanes, 12 foot inside shoulder and 12 foot outside shoulder. The bridge is flared to accommodate connecting ramps. **The design includes Column Bents and AASHTO Type II & Type IV PPC Girders.** Total length of the two bridges is 680 feet each.

Unique challenges for this project involve maintaining two (2) lanes of traffic open at all times during construction.

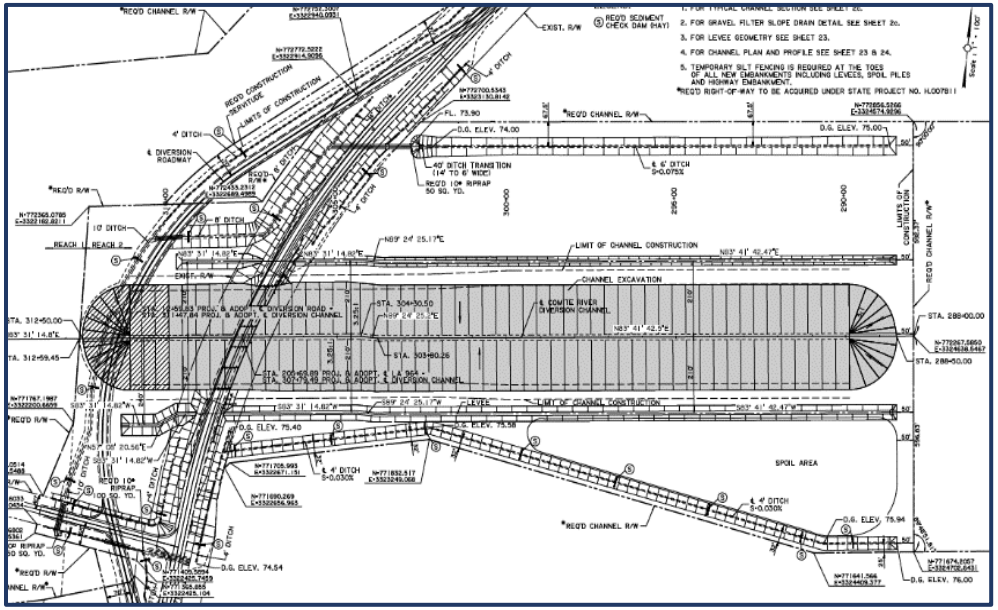
Firm Members Involved:
Richard R. Shread, P.E., P.L.S. (Principal)
Ripley "Gary" W. McClure, P.E. (Engineering Supervisor/Bridge Design)
Niccola D. Gill, P.E. (Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	Road/Bridge	
Project name	**Comite River Diversion / LA 964**		Firm responsibility (prime or sub?)	Prime	
Project number	H.000710	Owner's name	LADOTD		
Project location	East Baton Rouge Parish		Owner's Project Manager	Christina Brignac	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1100 / Christina.Brignac@la.gov				
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost ($1,000's)		$ 281	
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm ($1,000's)		$ 281	

As part of the Comite River Diversion Project, LA 964 will cross the proposed diversion channel. This project included channel excavation, roadway realignment for site distance, and bridge structure. The LA 964 bridge consists of a single bridge approximately 350 feet long, with a finished cross-sectional clear width of 44 feet. The **new bridge is designed using AASHTO Type III girders and is in super-elevation**. The roadway is designed as an Urban Arterial with two 12 foot lanes and 10 foot shoulders. A temporary diversion is used during bridge and canal construction. Coordination with New Orleans Corps of Engineers and other agencies were part of this project.



Firm Members Involved:
Richard R. Shread, P.E., P.L.S. (Principal)
Ripley "Gary" W. McClure, P.E. (Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Road Design)
Niccola D. Gill, P.E. (Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*		Survey/Road/Bridge
Project name	**Pecue Lane / I-10 Interchange**		Firm responsibility (prime or sub?)		Prime
Project number	CS-09-US-0041/H.003047	Owner's name	East Baton Rouge City-Parish / LADOTD		
Project location	East Baton Rouge Parish		Owner's Project Manager	Tom Stephens/Anna Hanks	
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821 / (225)389-3189 / tstephens@brla.gov				
Services commenced by this firm (mm/yy)	10/10	Total consultant contract cost ($1,000's)		$ 7,464	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$ 3,800	

This project included plans for a brand new I-10 interchange at Pecue Lane, set to be the **first operational Diverging Diamond Interchange (DDI) in the State of Louisiana**. SKA provided engineering support from the very beginning of the environmental/ **NEPA** process, coordinated between all pertinent agencies and consultants. SKA investigated several design alternatives, alignments, and provided line and grade layouts for all alternatives considered. SKA attended several public meetings and was a major player and intricately involved in seeing the NEPA process to its successful completion. A final public hearing was required at the end of the NEPA process to ensure compliance with all environmental requirements. This large scale and very public and high profile project was ultimately broken into three phases to jump start the project in construction and provide more manageable construction funding. SKA managed the project and led the design team to successfully meet a shortened design schedule. In the end, the project consisted of **six bridges**, Mechanically Stabilized Earth (MSE) Retaining Walls, four interstate ramps and a six lane urban arterial section (Pecue Lane) with a Rieger Road connector. This interchange is currently in construction and as previously stated will be the state's first operational Diverging Diamond Interchange (DDI), an innovative approach in interchange design. The Pecue Lane DDI provides a higher level of operational efficiency and is a safer alternative to a conventional diamond interchange. It will consist of three thru lanes in each direction with raised medians and sub-surface drainage.

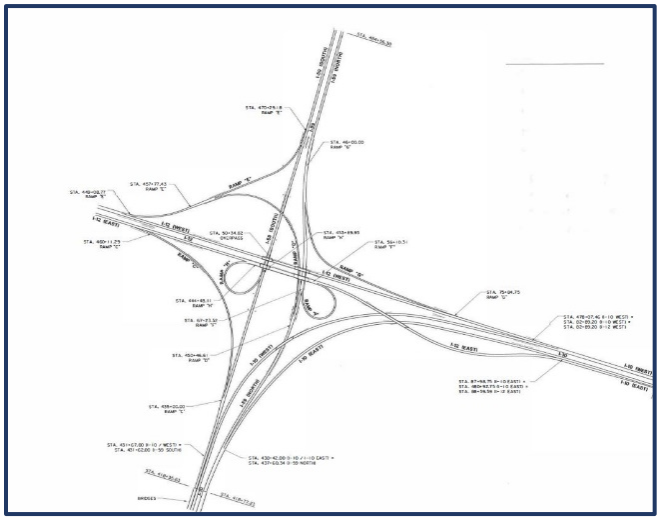
Firm Members Involved:
Richard R. Shread, P.E., P.L.S. (Project Supervisor)
Ripley "Gary" W. McClure, P.E.(Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Project Manager/Road Design)
Niccola D. Gill, P.E. (Environmental/Hydraulics)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Disciplines *	Road/Bridge	
Project name	**French Branch Bridge-West Pearl River Bridge(I-10 / I-12 / I-59)**		Firm responsibility (prime or sub?)	Prime	
Project number	700-52-0205	Owner's name	LADOTD		
Project location	St. Tammany Parish		Owner's Project Manager	Ms. Allison Schilling, P.E.	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / 225-379-1100 / allison.schilling@la.gov				
Services commenced by this firm (mm/yy)	08/10	Total consultant contract cost ($1,000's)		$410	
Services completed by this firm (mm/yy)	01/15	Cost of consultant services provided by this firm ($1,000's)		$410	

French Branch Bridge – West Pearl River Bridge, Route I-10, St. Tammany Parish project included the **I-10/I-12/I-59 Interchange**. The existing pavement consisted of joint displacement, substandard cross-slopes, and general pavement disrepair. Improvements and repairs include rubblization, pavement replacement, and overlay for cross-slope correction.



Safety improvements such as guard rail replacement, overhead sign adjustment, and adjusting elevations of ramps was included. This project required stage construction with shoulder widening for traffic control. Traffic control plans with multiple phasing, night construction, and detours was utilized. SKA provided topographic surveys, evaluation of existing pavement and safety conditions, and engineering design services for preliminary and final plans for repair and improvements.

Realignment of ramps was required to allow for higher levels of safety and to provide better traffic flow for merging and lane drops. **Sequencing and Traffic Control were an essential element of this project.**

Firm Members Involved:
Ripley "Gary" W. McClure, P.E. (Engineering Supervisor)
John P. Raymond, P.E. (Road Design)
Niccola D. Gill, P.E. (Road Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread-Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	**Multiple Bridge Replacement**		Firm responsibility (prime or sub?)	Prime	
Project number	13-BR-LA-0003 13-BR-LA-0012 13-BR-LA-0014	Owner's name	East Baton Rouge City-Parish		
Project location	East Baton Rouge Parish		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821 / (225)389-3189 / tstephens@brla.gov				
Services commenced by this firm (mm/yy)		11/13	Total consultant contract cost ($1,000's)		$376
Services completed by this firm (mm/yy)		02/15	Cost of consultant services provided by this firm ($1,000's)		$334

This project included replacement of three (3) bridges in East Baton Rouge Parish that were in poor condition. The Parish contracted with SKA to replace these bridges and to make channel improvements as needed. Environmental clearance through a **Categorical Exclusion (CE)** was obtained and the bridges were replaced. These bridges required detour measures that were accommodating to the local area. These bridges were located on Mollylea Drive, Claycut Avenue, and Albert Drive. **Hydraulic analysis** was performed to determine the required bridge opening and any necessary scour protection was identified. HEC-RAS and LADOTD Hydraulics software was used for the analysis.

Firm Members Involved:
Richard R. Shread, P.E., P.L.S. (Principal)
Ripley "Gary" W. McClure, P.E. (Bridge Design)
Niccola D. Gill, P.E. (Bridge Hydraulics and Design)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	**Shread Kuyrkendall & Associates, Inc.**		Past Performance Evaluation Disciplines *		Bridge
Project name	**Port Hickey Road Bridge Replacement**			Firm responsibility (prime or sub?)	Prime
Project number	16-BR-PT-0019	Owner's name	East Baton Rouge City-Parish		
Project location	East Baton Rouge Parish		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821 / (225)389-3189 / tstephens@brla.gov				
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost ($1,000's)			$128
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)			$100

This project involved the replacement of the Port Hickey Bridge in East Baton Rouge Parish. The canal that the bridge crosses discharges into swampy areas that eventually discharge into the Mississippi River in the norther part of the Parish. It is not unusual for the existing bridge to become inundated when the Mississippi River stages are high. **The Parish contracted with SKA to evaluate replacing the bridge with a higher elevation, to replace the bridge with reinforced box culverts, or to replace the bridge with a three (3) sided precast concrete bridge structure.**

Firm Members Involved:
Ripley "Gary" W. McClure, P.E. (Engineering Supervisor)
Niccola D. Gill, P.E. (Project Engineer/Hydraulics/Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. The projects should be limited to a total of 30, with no more than 10 projects being represented by a single firm on the team. If more than 30 projects are identified, all projects identified after the first 30 will not be evaluated. If more than 10 projects are identified for a single firm, all projects identified after the first 10 from that firm will not be evaluated. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Rural Bridge Replacement Initiative Phase I		Firm responsibility (prime or sub?)	Sub	
Project number	15 S.P. Numbers	Owner's name	LADOTD		
Project location	47 Structures in Districts 04, 05, 08 and 58		Owner's Project Manager	Valerie Tourres	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 225-379-1292, Valerie.Tourres@la.gov				
Services commenced by this firm (mm/yy)		08/20	Total consultant contract cost ($1,000's)	$6.6M	
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm ($1,000's)	$587	

Forte Tablada, Inc. was a subconsultant to T Baker Smith to provide the topographic survey for 17 bridges for State Project Numbers H.013954, H.013979, H.013985, H.013992, H.013994, and H.013995. While the project is ongoing in the design phase, Forte and Tablada has completed the topographic survey in accordance with LA DOTD's Location and Survey Manual. The projects are currently in design and the anticipated Final Plans completion date is May 2022.

The largest challenges to overcome for this project were the bridge locations and the advanced schedule. Forte and Tablada was able to overcome these challenges with its communications software (Teams) and utilizing multiple field crews and Professional Land Surveyors trained in LA DOTD's Location and Survey field procedures and data collection protocols.

Forte and Tablada is also providing property surveys and right of way mapping as the need arises during the design process.

This project displays Forte and Tablada's ability to conduct topographic surveys and right of way mapping for bridge sites of a similar size in accordance with LA DOTD standards

Project Team:

Joey Coco, P.E., MBA-Principal-in-Charge, Ross Wilson, P.L.S.-Project Surveyor, Brad Holleman-Surveyor-in-Charge, Jace Ricard, P.L.S.-Surveyor, Rachel Waldroup, L.S.I.-Pre Professional, Jeremy Cormier-Survey Technician, Tommy Lake-Party Chief

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Rural Bridge Replacement Initiative Phase II		Firm responsibility (prime or sub?)	Sub	
Project number	5 S.P. Numbers	Owner's name	LADOTD		
Project location	20 Structures in Districts 4 and 5		Owner's Project Manager	Valerie Tourres	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 225-379-1292, Valerie.Tourres@la.gov				
Services commenced by this firm (mm/yy)		06/21	Total consultant contract cost ($1,000's)	Unknown	
Services completed by this firm (mm/yy)		On going	Cost of consultant services provided by this firm ($1,000's)	$895,881	

Forte Tablada, Inc. was a subconsultant to T Baker Smith to provide the topographic survey for 20 bridges for State Project Numbers H.014219, H.014222, H.014228, H.014231, and H.014236. While the project is ongoing in the design phase, Forte and Tablada has completed the topographic survey in accordance with LA DOTD's Location and Survey Manual. The projects are currently in design and the anticipated Final Plans completion date is May 2022.

The largest challenges to overcome for this project were the bridge locations and the advanced schedule. Forte and Tablada was able to overcome these challenges with its communications software (Teams) and utilizing multiple field crews and Professional Land Surveyors trained in LA DOTD's Location and Survey field procedures and data collection protocols.

Forte and Tablada is also providing property surveys and right of way mapping as the need arises during the design process.

Project Team:
Joey Coco, P.E., MBA-Principal-in-Charge, Ross Wilson, P.L.S.-Project Surveyor, Brad Holleman-Surveyor-in-Charge, Jace Ricard, P.L.S.-Surveyor, Rachel Waldroup, L.S.I.-Pre Professional, Jeremy Cormier-Survey Technician, Tommy Lake-Party Chief

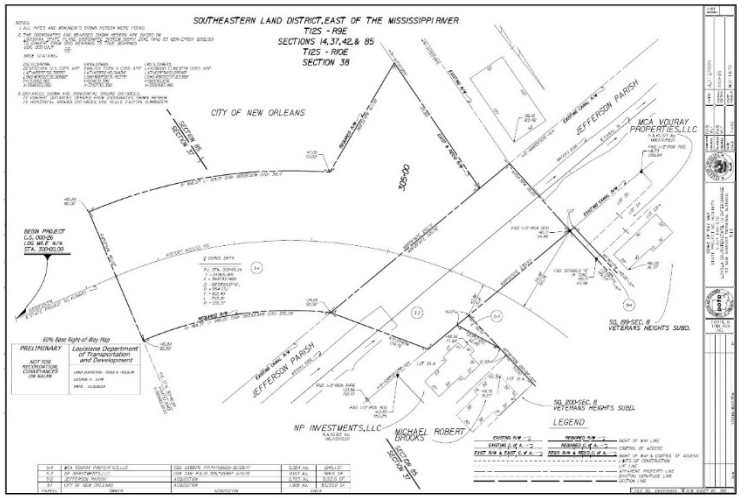
This project displays Forte and Tablada's ability to conduct topographic surveys and right of way mapping for bridge sites of a similar size in accordance with LA DOTD standards.

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	I-10/ Loyola Interchange Improvements		Firm responsibility (prime or sub?)	Sub	
Project number	H.011670	Owner's name	LA DOTD		
Project location	Kenner, LA		Owner's Project Manager	Tim Nickel, P.E., LA DOTD	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804; 225-379-1292; Timothy.Nickel@LA.GOV				
Services commenced by this firm (mm/yy)	07/19	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	01/20	Cost of consultant services provided by this firm ($1,000's)		$552	

Forte and Tablada provided a Property Survey, Right-Of-Way Maps, Topographic Survey, Drainage Survey, and QA/QC of the work. The project stretches from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd. Forte and Tablada is responsible for rapidly delivering the survey as part of pre-construction services for this design-build project.

Project Team: Joey Coco, P.E.-Principal-In-Charge, Ross Wilson, P.L.S.-Project Manager, Will Fontenot, P.L.S.-ROW QC Reviewer, Jace Ricard, P.L.S.-Survey Management and CAD Support, Gerald Middleton, P.L.S.-ROW QC Reviewer, Tommy Lake-Lead Party Chief, Rachel Waldroup-CAD Technician, Jeremy Cormier-CAD Technician

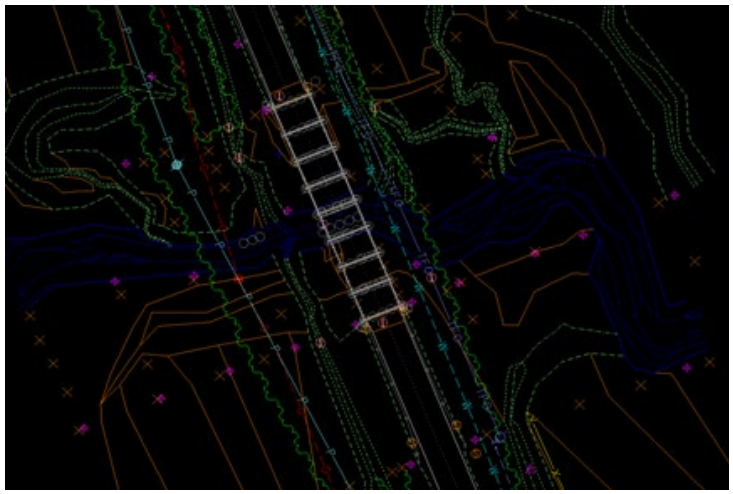


This project displays Forte and Tablada's ability to conduct topographic surveys, title takeoffs, property surveys and right of way mapping in accordance with LA DOTD standards.

17. Firm Experience:

Firm name	FORTE & TABLADA	Past Performance Evaluation Discipline(s)*	Survey
Project name	Bridges near Bluff Creek LA 63	Firm responsibility (prime or sub?)	Prime
Project number	S.P. No. H.002365.5	Owner's name	LA DOTD
Project location	East Feliciana Parish, LA	Owner's Project Manager	Kurt Brauner
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245, 225-379-1401, kurt.brauner@la.gov		
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	09/14	Cost of consultant services provided by this firm ($1,000's)	$140.5

Forte & Tablada, Inc. provided all topographic surveying services for three bridge replacements along LA 63 in East Feliciana Parish – Sandy Creek Bridge, McQuinney Bayou, and a tributary to Bluff Creek. S8 Robotic Total Station utilized photogrammetric technology in gathering bridge sub structure elements. 100% of the work was performed in Louisiana.



Project Team: Robert J. Badeaux-Principal-in-Charge, Will Fontenot, P.L.S.-Surveyor-in-Charge, Todd Harris, P.L.S.-Project Manager, Brian Abercrombie-Survey Party Chief, Steve LeBlanc, P.L.S.-Survey Party Chief/Technician, Ross Wilson, P.L.S.-Survey Party Chief/Technician

This project displays Forte and Tablada's ability to conduct topographic surveys and right of way mapping for bridge sites of a similar size in accordance with LA DOTD standards.

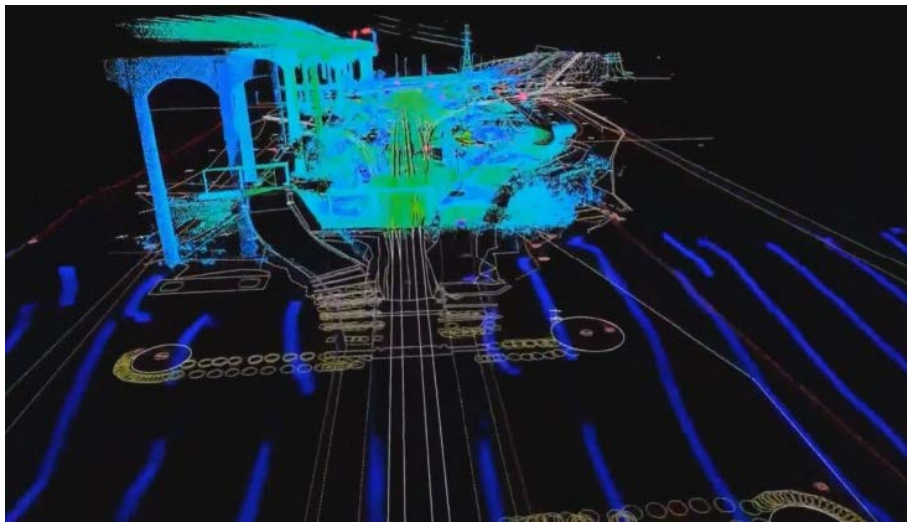
17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Almonaster Avenue Lift Bridge		Firm responsibility (prime or sub?)	Sub	
Project number	S.P. No. H.004698	Owner's name	LA DOTD c/o Volkert & Associates		
Project location	Orleans Parish, LA		Owner's Project Manager	Jan Evans, P.E., Volkert & Associates	
Owner's address, phone, email	7967 Office Park Boulevard, Baton Rouge, LA 70809, 225-218-9440, jevans@volkert.com				
Services commenced by this firm (mm/yy)	02/13	Total consultant contract cost ($1,000's)		$185	
Services completed by this firm (mm/yy)	10/13	Cost of consultant services provided by this firm ($1,000's)		$185	

Forte and Tablada, Inc. was responsible for performing complete topographic and property surveys, developing a drainage map, and establishing existing right-of-way for North line of I-10, CSX Railroad property and Almonaster, establishing elevations to develop a Digital Terrain Model with the widths matching the limits of the topographic survey, and providing a drainage map. The entire bridge super and sub structures were scanned to locate every pile. Bridge clearances were found, extracting two dimensional line work for the superstructure. A horizontal plan of two dimensional site plan for the bridge and a volume calculation for the counterweight was also created. As there was no access to the adjacent rail property, Forte and Tablada, Inc.'s Advanced Measurements was able to use three dimensional laser scanning to survey the area without permits or trespassing on railroad right of way. This project demonstrates Forte & Tablada's topographic survey, property survey, ROW maps and tile take off experience for transportation projects.

Project Team: Robert J. Badeaux, CFO, Wilfred Fontenot, P.L.S., , Steve LeBlanc, P.L.S.-Survey Party Chief/Technician, Ross Wilson, P.L.S.-Project Manager

This project displays Forte and Tablada's ability to use advanced technology such as lidar scanning to conduct topographic surveys on bridge projects for LA DOTD.

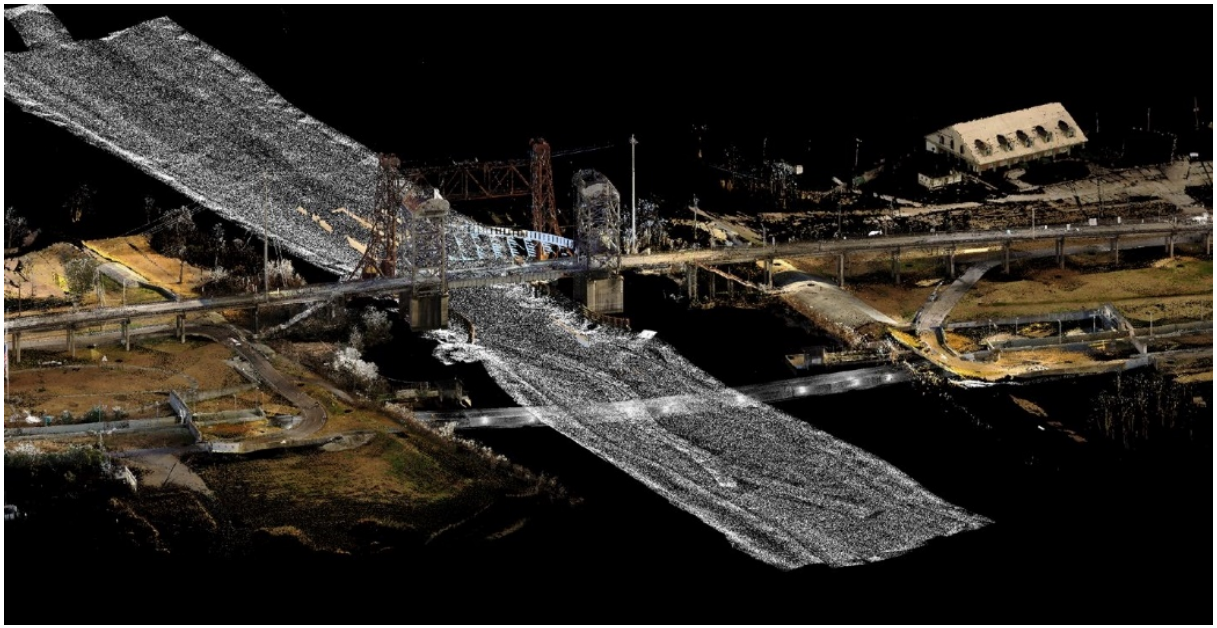


17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Belle Chasse Bridge and Tunnel Replacement		Firm responsibility (prime or sub?)	Prime	
Project number	S.P. No. H.004791.5	Owner's name	LADOTD		
Project location	Plaquemines, LA		Owner's Project Manager	Stanley Ard	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov				
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost ($1,000's)		$401.7	
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)		$249.6	

Forte and Tablada provided 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. The below image depicts a combined point cloud, or 3D model, from a multibeam hydrographic surveying sensor and a LiDAR laser scanner. Features were extracted from the point cloud and incorporated into the final MicroStation InRoads survey deliverables.

Project Team:
Joey Coco, P.E.-Principal-In-Charge,
Will Fontenot, P.L.S.-Surveyor-in-Charge,
Jerry Middleton, Jr., P.L.S.-Party Chief/Technician,
Steve LeBlanc, P.L.S.-Party Chief/Technician,
Ross Wilson, P.L.S.-Project Manager,
Brent Campbell-Senior Technician,
Tommy Lake-Party Chief



This project displays Forte and Tablada's ability to use advanced technology such as lidar scanning and multibeam hydrographic equipment to conduct topographic surveys on bridge projects for LA DOTD.

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	US 90 / I-310 Interchange		Firm responsibility (prime or sub?)	Prime	
Project number	S.P. No. H. 010753.5	Owner's name	LADOTD		
Project location	St. Charles Parish, LA		Owner's Project Manager	Stanley Ard	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov				
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost ($1,000's)		$495.5	
Services completed by this firm (mm/yy)	01/18	Cost of consultant services provided by this firm ($1,000's)		$484.7	

Forte and Tablada, Inc. is responsible for topographic surveying and 3-D laser scanning at the intersection of US-90 and I-310 in St. Charles Parish. This project will allow for improvements for safety and efficiency. The complete topographic survey includes all utilities with depths and all drainage required along with finish floor elevations of all buildings that fall within the survey limits. The image depicts the point cloud, or 3D computer model, of the interchange. Topogrpahic features were extracted from the point cloud and incorporated into the MicroStation deliverable.

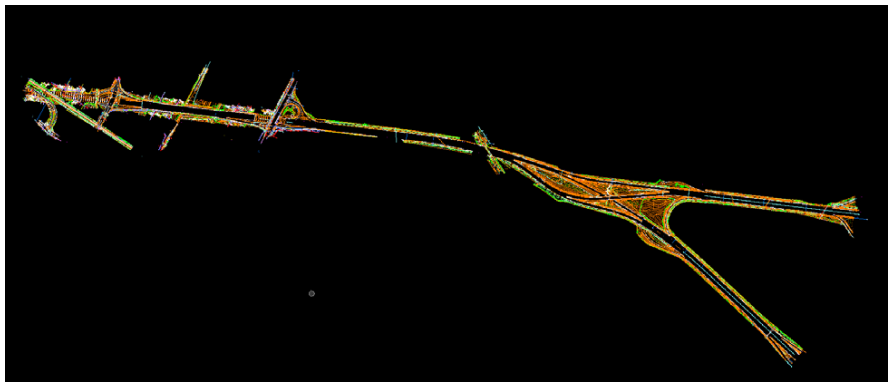
Project Team:

Joey Coco, P.E., MBA-Principal-in-Charge, Will Fontenot, P.L.S.-Surveyor-in-Charge, Jerry Middleton, Jr., P.L.S.-Project Surveyor, Ross Wilson, P.L.S.-Project Surveyor, Jonathan Coco-Project Technician

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	I-10 (LA 415 to Essen Lane on I-10 and I-12) Survey		Firm responsibility (prime or sub?)	Sub	
Project number	S.P. No. H.004100 F.A.P. No. H004100	Owner's name	LADOTD		
Project location	East and West Baton Rouge Parishes, LA		Owner's Project Manager	Stanley Ard	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1292, stanley.ard@la.gov				
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)		$6,180.0	
Services completed by this firm (mm/yy)	06/19	Cost of consultant services provided by this firm ($1,000's)		$1,400.0	

Forte and Tablada, Inc. was responsible for a topographic survey of the I-10 corridor from approximately 500' East of Perkins Rd. to Essen Ln., and the I-12 corridor from the I- 10/I-12 Merge to Essen Ln. Responsibilities on this project were establishing horizontal and vertical control, establishing targets for Mobile LiDar roadway scans to control precision, and performing a topographical survey to LA DOTD Standards. Forte and Tablada, Inc. was responsible for all field and office work within the above limits of survey as part of a team on the project.



Project Team:

Russell J. Coco, Jr., P.E.-Principal In Charge, Ross Wilson, P.L.S.-Project Manager, Jace Ricard, P.L.S.-Survey Technician, Tommy Lake, P.L.S.-Party Chief, Will Fontenot, P.L.S.-Surveyor-in-Charge, Steve LeBlanc, P.L.S.-Survey Crew Coordinator

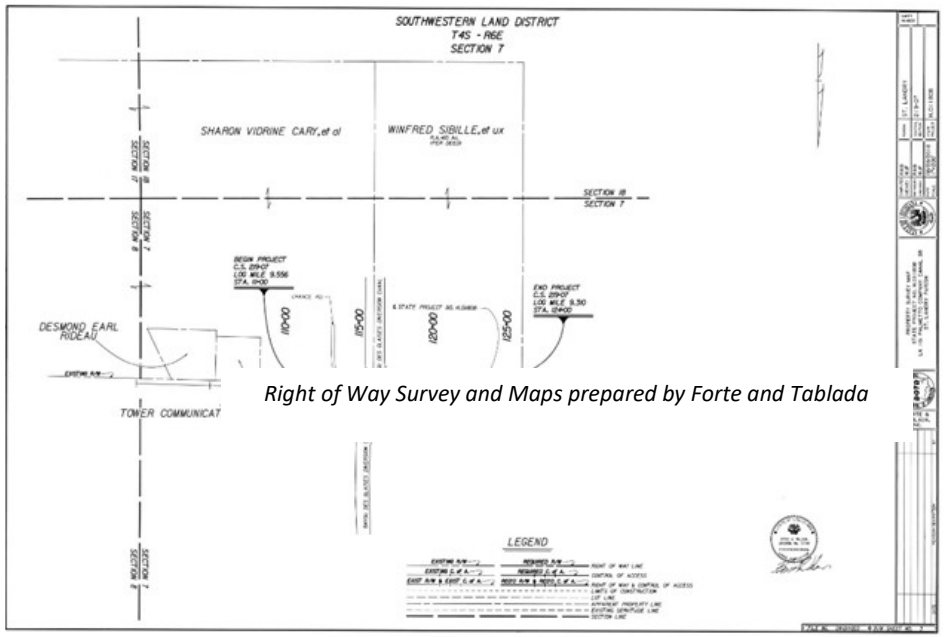
This project displays Forte and Tablada's ability to use advanced technology such as lidar scanning to conduct topographic surveys on bridge projects for LA DOTD.

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Palmetto Co. Canal Bridge		Firm responsibility (prime or sub?)	Prime	
Project number	H.011808	Owner's name	LADOTD		
Project location	St. Landry Parish, LA		Owner's Project Manager	Joseph Arreteig, P.L.S.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1105				
Services commenced by this firm (mm/yy)	9/17	Total consultant contract cost ($1,000's)		$16.6	
Services completed by this firm (mm/yy)	12/19	Cost of consultant services provided by this firm ($1,000's)		$16.6	

Forte and Tablada provided 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.

Project Team:
Russell J. Coco, Jr., P.E., Principal-In-Charge
Ross Wilson, P.L.S.
Gerald Middleton, P.L.S., QC Reviewer
Tommy Lake, Party Chief



Right of Way Survey and Maps prepared by Forte and Tablada

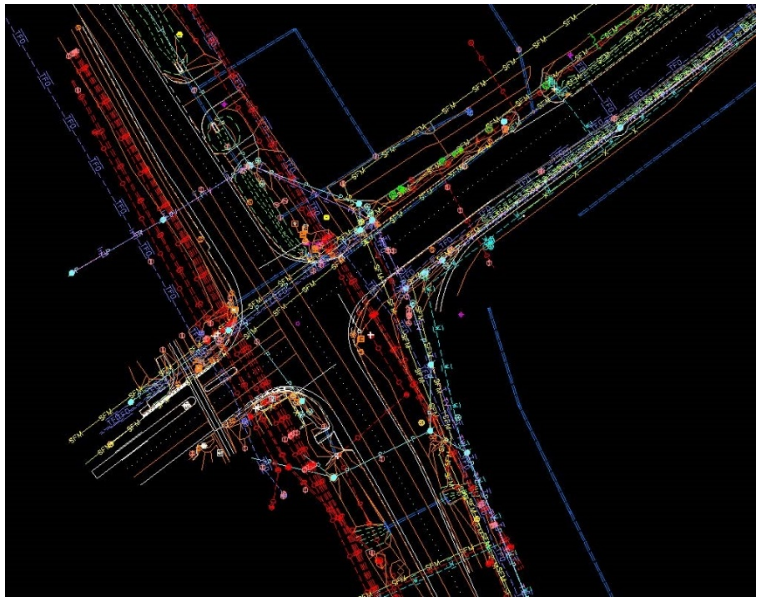
This project displays Forte and Tablada's ability to conduct title takeoffs, property surveys and right of way mapping in accordance with LA DOTD standards contained within the Location and Survey Manual.

17. Firm Experience:

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	LA 327 Spur: Staring Lane Extension Route LA 327-S			Firm responsibility (prime or sub?)	Prime
Project number	S.P. No. H.011684.5	Owner's name	LA DOTD		
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Barrett Smith	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1292				
Services commenced by this firm (mm/yy)	11/18	Total consultant contract cost ($1,000's)		$165	
Services completed by this firm (mm/yy)	04/19	Cost of consultant services provided by this firm ($1,000's)		$165	

Forte and Tablada completed a topographic survey for this project which is located in East Baton Rouge Parish, between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. A complete Topographic survey including all utilities with depths and all drainage was required, along with finish floor elevations of all buildings that fall within the survey limits.

Project Team: Joey Coco, P.E.-Principal-In-Charge, Will Fontenot, P.L.S.-Surveyor-in-Charge, Ross Wilson, P.L.S.-Project Manager, Jace Ricard, P.L.S.-Surveyor



This project displays Forte and Tablada's ability to conduct topographic surveys in accordance with LA DOTD standards contained within the Location and Survey Manual.

18. Approach and Methodology:

Understanding the Project Background and Scope

This project involves the replacement of four (4) bridges at two locations along US 190 in St. Landry Parish each being twin spans. Two (2) of the bridges span the Union Pacific Railroad (MO Pacific R/R until 1997) while the other two (2) bridges span the Little Bayou Teche.

- US 190 over Union Pacific Railroad - The east bound bridge (recall no. 007490), built in ~1951, over the Union Pacific R/R has a steel girder main span of ~80 feet. The westbound bridge (recall no. 007500), built in ~ 1962 has a steel girder main span of ~85 feet. The other eight (8) spans of the two bridges consist of ~ 40 feet concrete girders. These bridges have no shoulders with a blocked out steel guard rail in front of the original barriers and a barrier style concrete curb beneath the guard rail. These bridges are considered to be in fair and poor overall condition, respectively.
- US 190 over the Little Teche Bayou - The east bound bridge (recall no. 007530), built in ~1951, over the Little Teche Bayou has three (3) spans ~40 feet in length. The westbound bridge (recall no. 007540), built in ~ 1962 has three (3) spans of ~40 feet. These bridges have no shoulders with a blocked out steel guard rail in front of the original barriers and a barrier style concrete curb beneath the guard rail. These bridges are considered to be in fair and poor overall condition, respectively.

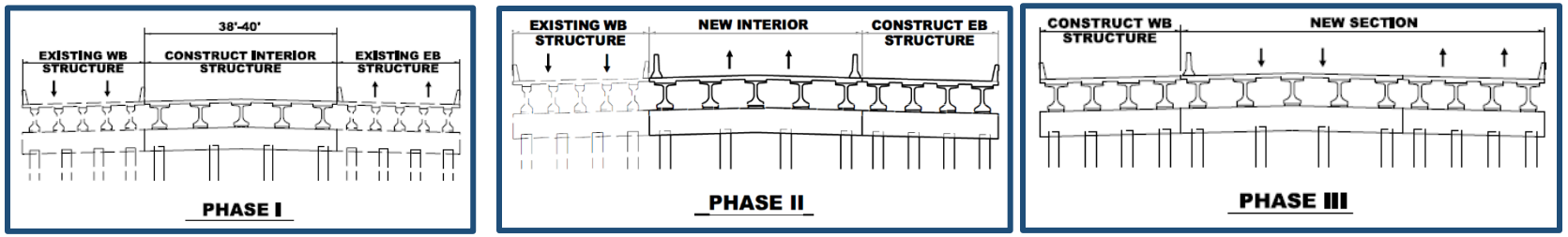
Approach

With nearly 40 years of LADOTD bridge and roadway firm experience, SKA, lead by Ripley Gary McClure will perform all bridge and roadway design. With SKA's current workload, we have the personnel available to begin these projects immediately and have the ability to complete them on schedule or earlier. Mr. McClure, who previously worked for both the Bridge Design Section and Road Design Section of LADOTD will be the project lead and Engineer of Record for the design of these bridges. **Having well over 39 years of experience in the design of bridges, Mr. McClure has designed bridges throughout the state. Some of the bridges Mr. McClure has designed were part of Section 9 of I-49, the Central Thruway in Baton Rouge, the I-12 Widening at US 190, and the I-10 Widening from LA 73 to LA 30.** Mr. John Raymond will provide his 30 years of expertise for any roadway modifications while Ms. Niccola Gill will assist with the bridge design using her 20 years of experience.

Mr. McClure, Mr. Raymond, and Ms. Gill all P.E.'s have been with SKA for 39, 30, and 20 years, respectively. This experience provides and combines 1) Firm Experience, 2) Staff Experience, and 3) a high quality of engineering reflecting our past performance. **While at SKA, Mr. McClure, Mr. Raymond, and Ms. Gill have designed numerous bridge and roadway projects for LADOTD of varied complexity.**

Recommendation for Traffic Management, Bridge Construction, and Bridge Options – At both bridge locations, these bridges are separated by approximately 38' to 40'. The new bridges will have 2-12 foot lanes with a minimum 10 foot outside shoulder to match the existing US 190. However, to maintain two (2) lanes of traffic open at all times, SKA would recommend replacing the twin spans with a single bridge. This would be done in Phases.

- Phase I - build an interior structure with 2-12 foot lanes first without a center barrier while maintaining two (2) lanes of traffic in both directions on the existing structures.
- Phase II – EB traffic would be shifted to the new structure in one direction with the WB existing bridge structure carrying the opposite WB traffic. While this is done, the existing EB structure would be demolished and reconstructed with 2-12 foot lanes and a 10 foot outside shoulder.
- Phase III – this phase would begin by shifting traffic WB to the newly constructed interior structure and EB traffic to the newly constructed outside structure while the remaining existing structure is demolished and reconstructed with 2-12 foot lanes and a 10 foot outside shoulder. Once complete, an interior barrier would be placed after which the bridge would be opened to two (2) lanes of traffic in both directions. The new inside shoulders would be nearly 18 feet in width. The shoulders could be reduced by additional barriers or just striped out. Either way this would also allow for future widening.



In 1951 and 1962 when these bridges were built, concrete strength and prestressing were not at the level that is available today. For the US 190 bridge over the Union Pacific Railroad, the existing steel span should be replaced with the more recent LADOTD LG girders which provides the spanning capability and depth for clearance that was not available when originally constructed. The LG girders would require less maintenance than steel girders.

Plan Delivery

- **KICK-OFF MEETING**

  Having already visited the site, SKA will meet with LADOTD team members to get a clear understanding of the project goals and to discuss any concerns they may have. The Kick-off meeting will be used to develop a hierarchy for communication, to establish deliverables for the project, and to develop a more refined project scope as well as reviewing the QC/QA process. During the Kick-Off Meeting, SKA will present to DOTD the previously stated ***Recommendation for Traffic Management, Bridge Construction, and Bridge Options.***
- **30% PRELIMINARY PLANS**
  1. Once the kick-off meeting is complete, Forte & Tablada will conduct the topographic survey and upon completion submit to SKA for review and submittal to DOTD for review.
  2. SKA will request deep borings from DOTD (DOTD to provide per RFQ).

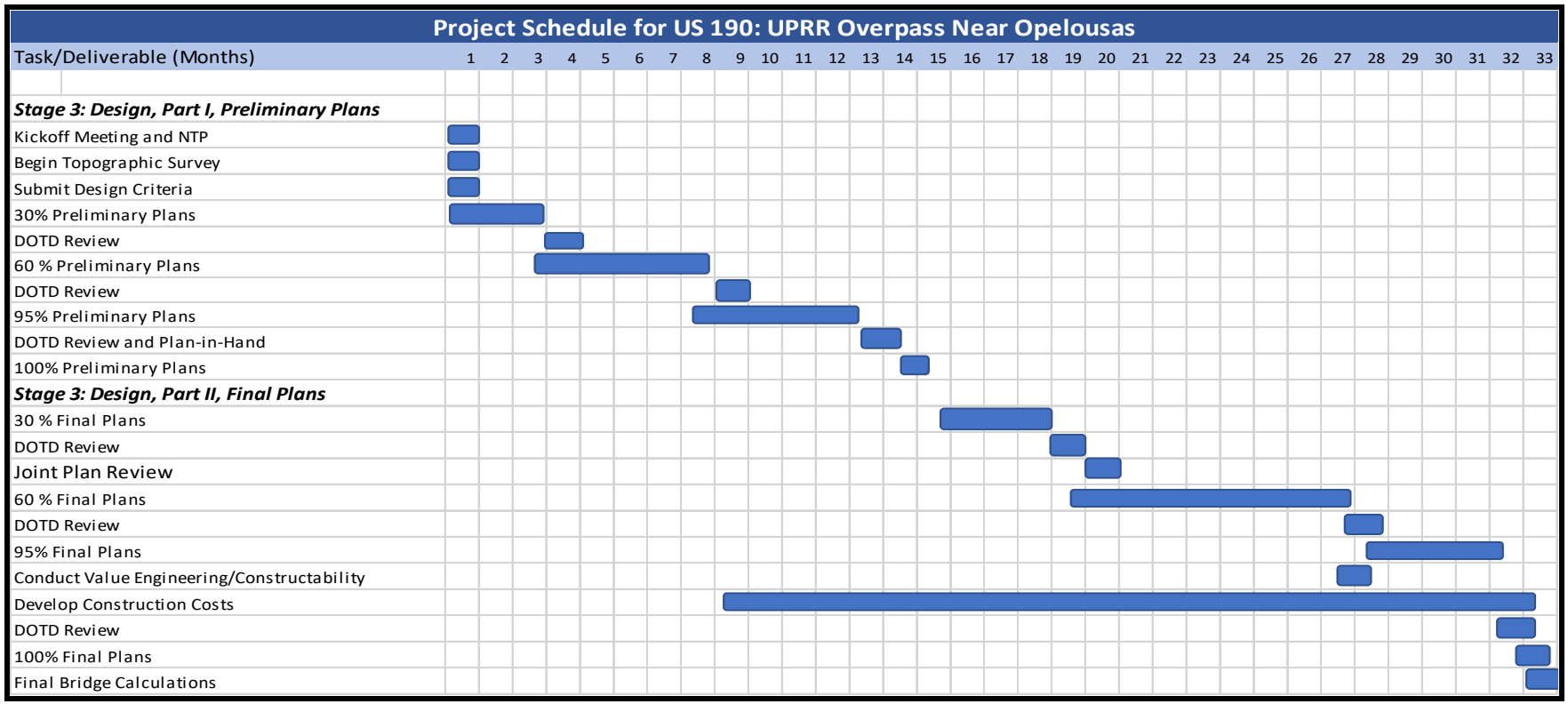
3. SKA will request a pavement design from DOTD (DOTD to provide per RFQ).
4. SKA will begin preparation of the title sheet, typical sections, plan and profile sheets, bridge index, general notes, bridge general plans, and bridge typical sections.
5. For the 30% submittal, SKA will submit the title sheet, preliminary typical sections, plan and profiles with topography, and bridge sheets in development to DOTD for review along with the bridge design criteria and QC/QA Certification.

- **60 % PRELIMINARY PLANS**
  1. SKA will incorporate 30% comments and finish development of the horizontal and vertical alignment and geometric details (if needed). Finalize hydraulic design & cross sections. 30 % bridge sheets will be revised as needed with construction phasing details, traffic control details, and foundation/pile layout sheets being developed.
  2. For the 60% submittal, SKA will submit the Title Sheet, Typical Section, Plan and Profile Sheets, Geometry, Hydraulic Design, Cross Sections, Bridge sheets from the 30% submittal, and bridge phasing details, traffic control details, and the pile layout sheets along with the QC/QA Certification.
- **95% PRELIMINARY PLANS (PLAN-IN-HAND)**
  1. SKA will incorporate 60% comments
  2. SKA will develop limits of construction and required right-of-way.
  3. Bridge summary of estimated quantities, general plans, and typical sections shall be complete.
  4. The 95% submittal for roadway shall include the title sheet, typical sections, plan and profile sheets, geometry, hydraulic design, cross sections, sequence of construction and construction signing, and the summary of estimated quantities sheets.
  5. The 95% submittal for bridge shall include all previously sheets submitted at 60%, revised, and pile loads/details along with the QC/QA Certification.
  6. SKA will assist the DOTD Project Manager in scheduling and conducting the Plan-In-Hand Meeting.
- **100% PRELIMINARY PLANS**
  1. SKA will incorporate Plan-in-Hand comments.
  2. SKA will submit final right-of-way taking lines.
- **30% FINAL PLANS**
  1. SKA will complete the bridge general plans, typical sections, construction phasing details, traffic control details, the foundation/pile layout sheets, and will be developing pile loads and tables, bent details, girder details, and span details.
  2. Forte and Tablada will prepare right-of-way maps and begin property surveys for the Joint Plan Review.
  3. SKA will assist with scheduling the Joint Plan Review
  4. The 30% submittal will include all roadway sheets completed, and all bridge sheets completed and those that are in development along with the QC/QA Certification.
- **60% FINAL PLANS**
  1. SKA will assist DOTD with permit drawings for any permits (Nationwide etc.) required.
  2. SKA will continue developing bridge plans including joint details, bearing details, approach slabs, and all other details for a complete set of bridge plans per the Bridge Design and Evaluation Manual (BDEM).

3. The 60% submittal will include all previously completed sheets along with the summary sheets, final drainage design, bridge superstructure details, substructure details, foundation layouts, and cost estimates along with the QC/QA Certification.

- **95% FINAL PLANS**
  1. SKA will have completed all roadway and bridge sheets.
  2. The 95% submittal will include all roadway and bridge sheets for review along with QC/QA Certification.
- **100 % FINAL PLANS**
  1. SKA will address and incorporate any final comments into the plan set.
  2. The 100% submittal will include all sheets signed and sealed along with the final QC/QA.
- **FINAL BRIDGE CALCULATIONS**

  Once the final plans have been accepted, SKA will submit final bridge calculations for DOTD's records.



19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Shread-Kuyrkendall & Associates, Inc.	Survey, Road, Bridge	S.P. No. H.009266	I-10 (LA 73 to LA 30) Route I-10, Ascension Parish	$ 616,763
Shread-Kuyrkendall & Associates, Inc.	Road	S.P. No. H.005967	Nelson Road Extension & Bridge, Calcasieu Parish	$ 4,755
Shread-Kuyrkendall & Associates, Inc.	Road	T.O. No H.012169.5-1	I-10: Iberville P/L West End Miss. Bridge	$ 1,430
Shread-Kuyrkendall & Associates, Inc.	Road	T.O. No. H.012587.5	I-10: West End of BR 290 – West End of LA 415	$ 3,707
Shread-Kuyrkendall & Associates, Inc.	Survey, Road	T.O. No. H.009266	I-10 Widening (Road/Survey)	$ 161,795
Shread-Kuyrkendall & Associates, Inc.	Road	S.P. No. H.011706.5	Road Design Services St. Mary Parish	$ 171,714
Shread-Kuyrkendall & Associates, Inc.	Bridge	H.011152	I-12 Widening (sub to T. Baker Smith)	$ 6,377
Shread-Kuyrkendall & Associates, Inc.	Road	H.013284	MRB South GBR: LA 1 to LA 30 Connector (sub to Atlas)	$ 32,837
Forte & Tablada	Bridge	H.012485.1	IDIQ Contract 4400010099, Task Order No. 4 Off System Bridge Load Rating, Statewide	$ 190,738
Forte & Tablada	Bridge	H.012485.1	IDIQ Contract 4400010099, Task Order No. 5 Bridge and Culvert Load testing	$ 276,656
Forte & Tablada	Survey	H.014628.5	IDIQ Contract 4400010587, Task Order No. 17 Turn Lanes at Rice Mill	$ 71,418
Forte & Tablada	Survey	H.014219, H.014222, H.014228, H.014231, H.014236, H.013954, H.013979, H.013985, H.013992, H.013994, H.013995, H.013990	Rural Bridge Replacement Initiative	$ 54,676
Forte & Tablada	Survey	H.003931.5	IDIQ Contract 443015237 I-10 Calcasieu River Bridge Replacement	$ 2,067,730

Forte & Tablada	Survey	H.004273.5	DOTD I-49 Connector (Lafayette Regional Airport to I-10/US 167 Interchange)	**$** 119,318
Forte & Tablada	Survey	H.012485.1	IDIQ Contract 4400010099, Task Order No. 3 Metal Culverts Inspection, Statewide	$ 103,399
Forte & Tablada	Survey	H.011684	LA 327 Spur: Staring Lane Extension Route LA 327-S	$ 50,279
Forte & Tablada	Survey	H012072	LA 60 Drain Bridge	$1,428

DO NOT SUM

* The past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

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

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

See Attached QA/QC Plan

22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Forte & Tablada	9017 Interline Avenue Baton Rouge, LA 70809	Brad Holleman bholleman@forteand tablada.com	(225) 927-9321

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

Quality Control and Quality Assurance (QC/QA) for Bridge Design Projects

Contract No. 4400023434
Contract for US 190: UPRR Overpass Near Opelousas

State Project No. H.000445
F.A.P. No. H000445

Routes US 190

St. Landry Parish

Shread Kuyrkendall & Associates, Inc.

February 10, 2022

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Introduction

Proper procedures for a QC/QA (Quality Control and Quality Assurance) plan make up the initial steps in the process essential for bridge safety. Oversight, establishment, and implementation of a detailed QC/QA plan then follows.

DOTD and Consultant's Role in QC/QA Process

Shread-Kuyrkendall & Associates (SKA) is obliged to provide an extensive and all-encompassing QC/QA Plan for this project and to provide documentation for the LADOTD or stakeholder agencies to verify that an appropriate QC/QA Plan has been implemented as well as followed. Along with documentation, periodic meetings are necessary to discuss the Plan to allow for adjustments or improvements as the Project progresses from the NTP to Final PS&E. Being open to improvements adds credibility to an effective plan and provides for a mutual agreed upon process ending with a desired design for all parties involved. This is not to be misinterpreted as to mean the LADOTD or any other agency is responsible for SKA's design or plan preparation, but only to suggest that we are open to scrutiny. SKA is solely responsible for all aspects of our design and for the finished product which is a safely designed bridge that will maintain the integrity of our profession and promote the end users trust in the system.

QC/QA as applied to Bridge Design Projects

Exercising an effective QC/QA Plan for bridge projects ensures that all parties agree with the latest standards to be used, most recent specifications, and design methods. It is the intent of an implemented QC/QA Plan to identify and correct bridge design errors before the design plans are made final.

An effective plan ensures that adequate and proper load conditions are analyzed for the level of use, that all calculations have been performed and checked, and that any corrections have been made prior to final stamped plans. A safe bridge is of the utmost importance and requires cooperation from all parties involved.

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

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

Responsibilities of Team Members

A Bridge Team consists of a Project Manager (PM), Engineer of Record (EOR), Designers, Checkers, and Reviewers.

- The **PM** is a licensed engineer with bridge design experience commensurate with this project and is responsible for development of a Design Quality Control Plan and coordination of this project with all disciplines involved, subconsultants, the LADOTD, and stakeholder agencies. He is the ultimate reviewer and final voice for allocation of personnel. All changes and adjustments to the project team, procedures, or policies must be reviewed and approved by the PM.

- The **EOR** is a licensed engineer with bridge design experience commensurate with this project and is responsible for ensuring that the level of design necessary for this project is utilized and implemented correctly. ***The EOR will also act as Designer for many aspects of this project that require a higher level of bridge design experience.*** The EOR shall follow the QC/QA Plan and shall attest that all design team members follow the Plan as well. The EOR is responsible for the quality of work and for any corrective actions needed to ensure this quality is maintained. The EOR along with the PM and other team members will compile and provide schedules necessary for observance and review of the status of this project by the LADOTD and stakeholder agencies.

- The **Designer(s)** is a licensed engineer or intern with bridge design experience and is qualified to perform design duties (other than those provided by the EOR) under the supervision and direction of the EOR relative to this project. The designer is responsible for ensuring that all assumptions, design calculations, details, and any other aspect performed by him/her are checked in accordance with the QC/QA Plan and are recorded and documented properly. He/she is to ensure that all corrections are made, or an approved explanation has been reviewed and documented.

- The **Checker** is a licensed engineer with bridge design experience commensurate with this project. He is involved in all meetings, and is knowledgeable regarding design criteria, concepts, procedures, specifications, standards, and details.

- The **Reviewer**(s) is typically the PM. The reviewer is responsible for ensuring that the QC/QA Plan has been followed and that all checks and corrections have been made, to allow for a level of redundancy.

QC/QA Plan and Process for this contract: 4400023434

Task 1

Upon receipt of an NTP and after the "kickoff meeting", the PM, EOR, and other necessary personnel shall meet with the LADOTD Bridge Team to discuss and/or establish:

- Design Criteria
- Software
- Deliverables
- Expectations
- Scheduling requirements
- QC/QA Plan
- Miscellaneous information

Objective: *To ensure the project is being approached and designed in accordance with DOTD requirements. Establish an open channel with LADOTD to allow for a free flow of comments and ideas.*

Task 2

Review of the environmental study, geotechnical data, traffic data, parish maps, scaled aerial photos of site, and LADOTD roadway classification within the project limits. Advise LADOTD of any discrepancies, conflicts, design concerns, or other issues that may impact the project now or in the future.

Objective: *To identify aspects of existing data and information that could impact the project negatively by causing delays or invalid design assumptions.*

Task 3

Conduct field visit(s) to the bridge sites and asses the site conditions. Evaluate and identify possible constructability issues and conditions that may impact alignment alternatives. Meet with and promote input from the local District.

Objective: *To establish job site assets and identify difficulties that could impact the project advantageously or adversely. Identifying constructability issues prior to design minimizes delays, cost overruns, corrective actions, and redesign. It enhances and streamlines the design phase and provides for a safer bridge supported by agency confidence.*

Task 4

Prepare construction cost estimates (itemizing construction, right-of-way, and utility relocation costs).

Objective: *To provide a useful estimate necessary for determining the most cost effective alternative and bridge structure set.*

Task 5

Submit cost estimates (as stated in Task 4) to LADOTD for review and comment.

Objective: *To create redundancy in the decision making.*

Task 6

Revise as needed for final bridge plans

QC procedures

- PM and EOR determine tasks for design team and checker(s)
- The Designer is responsible for ensuring that drawings are checked for compliance with good engineering/architectural practice and are in compliance with contract requirements. It is required that each Designer maintain a record of reviews made, the check sheets and final drawings.

- Drawings are checked for errors, ambiguities, omissions, consistency with other project documents or drawings, constructability, and conformance with the adopted standards.

- Drawings showing different elements of a project are checked for conflicts. Any conflicts noted are resolved prior to subsequent submittals for review or approval.

- All comments, red-marks and questions on the drawings made by the Checker(s), client or others are documented and delivered to the Designer for review and response. The PM maintains a log detailing the response or corrective action needed, the date, the responsible Designer/Checker and type of corrective action taken. All comments are responded to in writing by the Designer in a timely manner and resubmitted to the PM for review prior to taking corrective action. After approval by the PM, the Designer shall resubmit the Drawings with a set of the previous drawings showing the corrections in red.

- The PM has the ultimate responsibility for the tracking, resolution and incorporation of all issues and discrepancies internal and external. Any nonconformance items will be brought to the attention of the client in writing for their comment and approval. Before each submittal, the PM will review all documentation regarding any previous comments, issues discrepancies and nonconformance items to ensure that appropriate responses have been incorporated into the deliverable.

- Copies of all project correspondence are maintained in the project files located in SKA's office. Project correspondence from sub-consultants directed to personnel other than the Project Manager, are copied to the Project Manager. No correspondence is directed to client without prior approval of the PM. Correspondence is logged as to addressee and sender, date received or sent, subject, and where filed. Any follow up correspondence shall show the document reference number assigned to original correspondence.

- Bridge plan sheets shall include the initials of the designer, checker, reviewer, and detailer

- Bridge plans shall be sealed by the Engineer of Record (EOR)

- Design calculations, checked calculations, review comments/resolutions shall be maintained in a permanent design file.

- QC checklists, cost estimates, correspondence, design procedures and policies, and schedules shall be maintained in a permanent design file

- Keep records of sub consultant's documentation in a permanent design file.

QA procedures

- Provide monthly project meetings. This allows the PM and EOR to review project status and to be sure that QC is being followed with effective checking.

Allows interdiscipline comments and keeps the team informed of schedules and problems

- Meet with LADOTD departments to discuss status of design
- Checker shall be independent from design but shall have full knowledge of project.
- Provide redundancy evaluation as often as necessary through independent reviews and checks.
- Promote questioning and evaluation of the project from all team members of all disciplines

Objective: *To provide procedures and policies to detect and correct bridge design errors before design plans are made final. To provide a means for verifying that the appropriate design calculations have been performed, that the calculations are accurate, and that the specifications for the load-carrying members are adequate regarding the expected service loads of the structure.*

Qualified Personnel (see attached form 24-102 for qualifications)

Project Manager (PM) – Richard R. Shread, P.E., PLS

Engineer of Record (EOR) – Ripley W. Gary McClure, P.E.

Designer(s) – Niccola D. Gill, P.E.

Checker – Ripley W. Gary McClure, P.E.

Review(s) – Richard R. Shread, P.E., PLS

QC/QA Tools

Each Designer is responsible to have a QA checklist developed to assist in the review of deliverables. This form incorporates the basic aspects of their work as well as the aspects where coordination with others is necessary. The checklist is delivered to the PM and EOR along with the submitted deliverable. The PM shall also develop a QA checklist focusing on the project-wide aspects, coordination of individual issues, and incorporation of previous comments as well as pertinent design aspects.