

PROPOSAL FOR ENTITY CONTRACT FOR CONG RELIEF WINFIELD ROAD BOSSIER PARISH

CONTRACT NO. 4400027600
STATE PROJECT NO. H.003855.5

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. This new alignment consisted of a four-lane divided highway crossing the Comite River and Beaver Bayou, passed around wetlands, floodplains, and the Waddill Wildlife Refuge.



At the time, it was the largest roadway project constructed in East Baton Rouge Parish. Nearly four (4) miles in length, this roadway consisted of seven (7) girder span bridges. **Shread-Kuyrkendall provided all services from Line & Grade Studies for multiple alignments, Environmental, Permitting, Public Meetings, Design and Construction Administration.**

DOTD FORM: 24-102**PROPOSAL TO PROVIDE CONSULTANT SERVICES**

(Revised January 1, 2023)

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.

1. Contract Name as shown in the advertisement	CONTRACT NO. 4400027600 ENTITY CONTRACT FOR CONG RELIEF WINFIELD ROAD
2. Contract Number(s) as shown in the advertisement	4400027600
3. State Project Number(s), if shown in the advertisement	H.003855.5
4. Prime consultant name (name must match 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

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

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.

Richard R Shread

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

8/17/23

Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

<u>Firm(s):</u>	<u>Firm(s)' %:</u>
Civil Design & Construction, Inc.	10%
APS Engineering & Testing, LLC.	5%

12. Past Performance Evaluation Discipline Table:

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

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

Past Performance Evaluation Discipline(s)	% of Overall Contract	Prime Shread-Kuyrkendall & Assoc.	Firm B Civil Design & Construction, Inc.	Firm C APS Engineering & Testing, LLC	Firm D	Firm E	Each Discipline must total to 100%
Road	85%	100%					100%
Survey	10%		100%				100%
Geotechnical	5%			100%			100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%	85%	10%	5%			100%

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify “Other (please specify)” and include the classification title inside the parentheses.

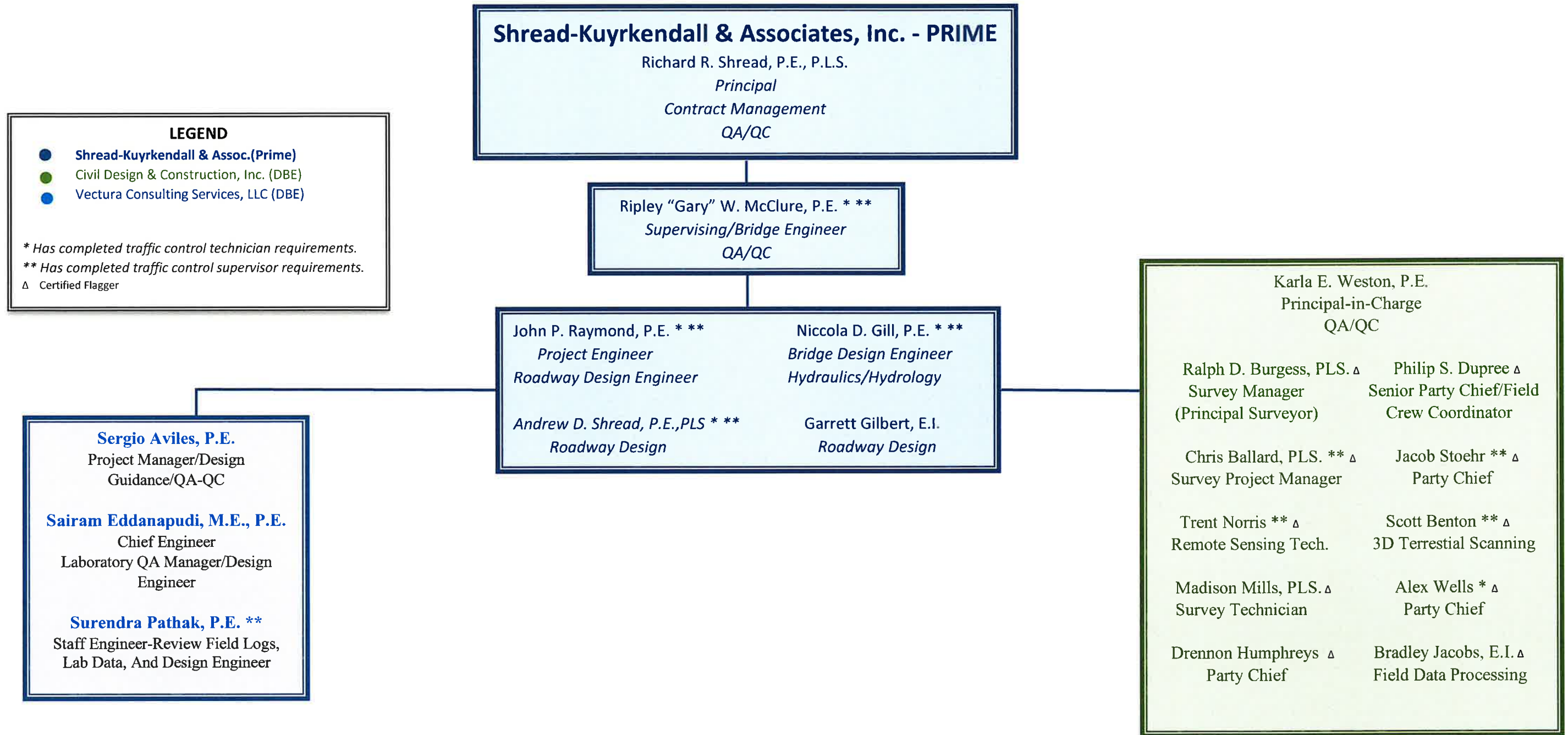
The DOTD Job Classification(s) to be used can be found at the following link:

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

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Shread-Kuyrkendall & Associates, Inc.	Principal	1	1
Shread-Kuyrkendall & Associates, Inc.	Supervisor-Eng	1	1
Shread-Kuyrkendall & Associates, Inc.	Engineer	2	7
Shread-Kuyrkendall & Associates, Inc.	CADD Technician	2	2
Shread-Kuyrkendall & Associates, Inc.	CADD-Operator	0	2
Shread-Kuyrkendall & Associates, Inc.	Engineer Intern	1	1
Civil Design & Construction, Inc.	Surveyor	1	3
Civil Design & Construction, Inc.	Party Chief	3	5
Civil Design & Construction, Inc.	Instrument Man	2	3
Civil Design & Construction, Inc.	Rodman	1	2
Civil Design & Construction, Inc.	CADD Operator	1	1
Civil Design & Construction, Inc.	Senior Technician	2	5
Civil Design & Construction, Inc.	Supervisor - Other	1	1
A P S Engineering and Testing, LLC	Engineer	3	3
A P S Engineering and Testing, LLC	CADD Technician	2	2
A P S Engineering and Testing, LLC	Driller	6	6
A P S Engineering and Testing, LLC	Technician	11	11

(Add rows as needed)

14. Organizational Chart:



15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Richard R. Shread	Shread-Kuyrkendall & Assoc.	P.E. 18983-Civil	LA	9/30/2024
2	Richard R. Shread	Shread-Kuyrkendall & Assoc.	P.E. 18983-Civil	LA	9/30/2024
3	John P. Raymond	Shread-Kuyrkendall & Assoc.	P.E. 27988-Civil	LA	9/30/2024
4	Ripley W. "Gary" McClure	Shread-Kuyrkendall & Assoc.	P.E. 24035-Civil	LA	9/30/2024
4	Niccola D. Gill	Shread-Kuyrkendall & Assoc.	P.E. 32914-Civil	LA	3/31/2025
5	Ripley W. "Gary" McClure	Shread-Kuyrkendall & Assoc.	P.E. 24035-Civil	LA	9/30/2024
6	Sergio Aviles	APS Engineering & Testing	P.E. 33571-Civil	LA	3/31/2024
6	Sairam Eddanapudi	APS Engineering & Testing	P.E. 35129-Civil	LA	3/31/2024
6	Surendra Pathak	APS Engineering & Testing	P.E. 43487-Civil	LA	9/30/2025
7	Ralph Burgess	Civil Design and Construction	PLS 5040-Survey	LA	9/30/2024
7	Chris Ballard	Civil Design and Construction	PLS 5033-Survey	LA	9/30/2024

(Add rows as needed)

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: 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, 2024 PLS. No. 4695 / LA / September 30, 2024		
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-in-charge.		
		Meets MPR 1 & 2		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/13-04/22	H.002825 / Nicholson Drive (LA 30) Brightside Lane to Gourrier Ave (Stage 1): East Baton Rouge – As principal, Mr. Shread was responsible for ensuring the development of design alternatives in addition to the preparation of a Line and Grade Study and an Environmental Assessment was in accordance with the National Environmental Policy Act (NEPA), the Federal Highway Administration (FHWA), and Louisiana Department of Transportation and Development (LADOTD). This project consisted of an environmental analysis, evaluation, and documentation of the socio-economic and environmental impacts of three (3) alternatives as well as a no-build alternative. The existing feature and location consist of a 2-lane roadway with shoulders on Nicholson Drive (LA 30) from approximately 500 feet north of West Lee Drive/Brightside Lane to 400 feet south of Gourrier Avenue. The objective was to provide detailed planning and environmental analysis that result in the documentation of an environmental decision. This project added bicycle lanes and sidewalks with safety improvements such as eliminating continuous left turns along the corridor utilizing a raised median and strategically located left turns at signals.			
05/17-05/19	H.012306 / Stage 0 Study / LA 42: Highland Road at Pecue Lane: East Baton Rouge Parish – As principal, Mr. Shread was responsible for ensuring that the finished Stage 0 Study met the requirements and needs of the area. He was involved with local and state agencies to determine the needs and requirements. The preliminary purpose of the study was to assess and identify alternatives that would address safety concerns at the intersection of LA 42 (Highland Road) and Pecue Lane.			



<p>08/17-05/18</p> <p>Cont'd.</p>	<p>H.012353.1 / Stage 0 Study / LA 8: Sabine River to US 171: Vernon Parish – As principal, Mr. Shread was responsible insuring that the finished Stage 0 Study met the requirements and needs of the area. He was involved with local and state agencies to determine the long term planning needs and requirements. The purpose of the study was to assess and identify alternative project concepts that would address existing and future roadway traffic, safety conditions, and access management strategies along LA 8.</p>
<p>8/10-1/15</p>	<p>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. Shread served as Principal-in-Charge of this project. This was a pavement preservation/restoration Project.</p>
<p>6/17-On Hold</p>	<p>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034): East Baton Rouge Parish – As principal, Mr. Shread is overseeing that 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.</p>
<p>04/14-Present</p>	<p>H.004435 / LA 3241 (LA 36 to LA 435): St. Tammany Parish – Currently in the construction phase. This project consists of approximately eight (8) miles of a new alignment in St. Tammany Parish. This new roadway is a four-lane rural arterial freeway (roadway classification RA-3).</p>
<p>11/07-12/14</p>	<p>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. Shread served as Project Engineer and Principal-in-Charge for 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. These roadways were pavement preservation/restoration projects.</p>
<p>10/12 – Present</p>	<p>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 73, 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.</p>
<p>10/10 - Present</p>	<p>H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: East Baton Rouge Parish – Mr. Shread served as Principal-in-Charge for this new interchange located at Pecue Lane and I-10. 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. This project includes a Diverging Diamond Interchange with full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road.</p>


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	PRINCIPAL/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, 2024		
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 Bridge design engineer for LG Girders Meets 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 years of experience specified in the applicable MPR(s).			
<i>Bridge Design</i>				
09/19-Present	H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – For the future I-49, Mr. McClure is the Bridge Design Engineer for this project which consists of preliminary and final plans for roadway and structure improvements at the existing at grade railroad crossing at US 90 in Iberia Parish. The existing at-grade railroad crossing will be replaced with a bridge structure crossing the railroad. Mr. McClure is designing two (2) bridges 2080 feet in length with 26, LG-36 Girder spans for each bridge. The existing frontage roads will be used for traffic diversion during bridge construction.			
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. 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. For the LA 73 overpass/bridge, Mr. McClure is designing 120 foot spans consisting of LG 63 Concrete Girder Spans.			
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.			
10/10-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: <i>East Baton Rouge Parish</i> – 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: <i>East Baton Rouge Parish</i> – 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: <i>East Baton Rouge Parish</i> – 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 PROJECT ENGINEER /DESIGNER		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, 2024			
Year registered	1998	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		Mr. Raymond's role will be Roadway Design and Project Manager. Meets MPR 3			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
Roadway Design					
06/18-Present	H.001799 / LA 531 Overpass: Webster Parish – This project has been completed and is ready for construction. This project involved 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.				
10/12-Present	H.009266 / I-10 (LA 73 to LA 30): Ascension Parish 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. This project had been on hold due to funding but has recently been fully funded with design underway.				
04/14-Present	H.004435 / LA 3241 (LA 36 to LA 435): St. Tammany Parish – Currently in the construction 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.				
10/06 – 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 DOTD 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.				

10/10-Present	H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: <i>East Baton Rouge Parish</i> – 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): <i>St. Tammany Parish</i> – 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. This was a pavement preservation/restoration project.
04/10- 06/11	H.007152 / Central Thruway Paving (Frenchtown Road to Greenwell Springs Road): <i>East Baton Rouge Parish</i> – 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: <i>East Baton Rouge Parish</i> – 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): <i>Multiple Parishes</i> – 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. These roadways were pavement preservation/restoration projects.
10/07- 01/10	258-32-0022 / Essen Lane (LA 3064 at Interstate 10): <i>East Baton Rouge Parish</i> – 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. This project is very similar to pavement preservation projects in that the roadway was widened along with pavement replacement.
10/06- 08/07	258-31-0015 & 258-33-0006 / Burbank Drive / LA 42 (Bluebonnet to Highland): <i>East Baton Rouge Parish</i> – 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, 2025		
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Ms. Gill's role will be bridge hydrology/hydraulics, slab span design, and box culvert design. Meets MPR 4		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
<i>Bridge Design</i>				
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 slab span 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, 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.			
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 slab span 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 one of the bridge design engineers 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 Cont'd	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 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. 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.
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 a Diverging Diamond Interchange (DDI) Interchange. 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.
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.

16. Staff Experience:

Firm employed by: Shread-Kuyrkendall & Associates, Inc.				
Name	Andrew D. Shread P.E., P.L.S.		Years of relevant experience with this employer	15
Title	Professional Engineer Professional Land Surveyor		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2007 / Civil Engineering		
Active registration number / state / expiration date		P.E. 40351/ LA/ September 30, 2024 P.L.S. 5087/ LA/ September 30, 2024		
Year registered	2015, 2012	Discipline	Civil Engineering, Land Surveying	
Contract role(s) / brief description of responsibilities		Mr. Shread's role will be Road Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/21-Present	H.011706 Baldwin Railroad Crossing Safety Improvements: St. Mary Parish – This project is currently on hold due to utility conflicts. This project involves designing a new roadway parallel to the railroad and will eliminate crossing conflict points in an effort to improve safety. The project is approximately 0.47 miles long. Mr. Shread served as the project manager and road designer for this project. Mr. Shread was involved in the geometric design, hydraulic design, quantities, and sequence of construction of the project.			
09/21-Present	H.011706 Baldwin Railroad Crossing Safety Improvements: St. Mary Parish – This project is currently on hold due to utility conflicts. This project involves designing a new roadway parallel to the railroad and will eliminate crossing conflict points in an effort to improve safety. The project is approximately 0.47 miles long. Mr. Shread served as the project manager and road designer for this project. Mr. Shread was involved in the geometric design, hydraulic design, quantities, and sequence of construction of the project.			
04/14-Present	H.004435/ LA 3241: LA 36 TO LA 435: Mr. Shread performed the field survey, boundary survey, right of way maps, and the geometrics for the new construction project, LA 3241. The project is new construction of a 4-lane median separated, rural arterial roadway.			
12/2019-Present	MA-17-02/ RODDY ROAD WIDENING: US 61 TO LA 935: Mr. Shread performed the topographic survey for the Roddy Road widening project. Mr. Shread also established geometric baselines the project. The project was a reconstruction of the existing roadway that widened the existing section to current design standards.			
01/2020-Present	MA-18-08/ HENRY ROAD @ LA 930 ROUNDABOUT: Mr. Shread provided road design assistance for the Henry Road-LA 930 roundabout project. Mr. Shread's responsibilities included project geometrics and hydraulic design along with coordination between two other intersecting roadway projects. Mr. Shread also completed the right of way maps for the project. The project was a single lane Roundabout to replace a 4-way stop intersection.			
04/2021-08/2022	H.014051/ LAKEWOOD DR. RECONSTRUCTION: The Lakewood Dr. reconstruction is the reconstruction of an urban minor collector. Mr. Shread performed the survey for the project. Mr. Shread also assisted with the drainage analysis and design. The purpose was to investigate observed insufficiencies in the subsurface drainage system along the Lakewood Dr.			

	corridor. The study used LADOTD HYDRWIN programs to confirm the capabilities of the existing drainage system along Lakewood Dr.
10/10-Present	H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: <i>East Baton Rouge Parish</i> – Mr. Shread served as survey project manager and right of way professional land surveyor for Louisiana’s first Diverging Diamond Interchange (DDI). Mr. Shread completed the survey for the LA DOTD standards for topographic and right of way surveys. The project was ultimately broken into three separate phases and design plans to facilitate federal redistribution funding requirements. 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.
11/20-Present	Port of South Louisiana Road and Parking Area Improvements- Mr. Shread performed the topographic survey and design for several roadways and parking area improvements located at the Port of South Louisiana Globalplex facility. Mr. Shread also managed the construction administration for the projects that have been completed thus far. This project, although not a LA DOTD project, was done to the LA DOTD’s 2016 Standards and Specifications for Roads and Bridges.
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): <i>Multiple Parishes</i> – Mr. Shread assisted the professional engineers in the repair of urban roadways damaged during Hurricane Katrina. Identified repairs for 25+ urban streets in Orleans, Jefferson, and St. Bernard Parishes. The field work included identification of base failures, recommended repairs, development of typical sections, sequence of construction and quantities.

16. Staff Experience:

Firm employed by: Shread-Kuyrkendall & Associates, Inc.				
Name	Garrett Gilbert E.I.		Years of relevant experience with this employer	3
Title	Engineer Intern		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2018 / Civil Engineering		
Active registration number / state / expiration date		34007 / LA / September 30, 2023		
Year registered	2019	Discipline	Civil Engineering Intern	
Contract role(s) / brief description of responsibilities		Mr. Gilbert's role will be Roadway Design.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/2019-Present	H.003047/ Pecue Lane/ I-10 Interchange (PHASE 3): Mr. Gilbert performed the quantity estimation and cost estimation for the Pecue Lane DDI Interchange project. The project was the addition of an DDI interstate interchange at Pecue Ln. and I-10.			
09/2019-03/2022	H.004435/ LA 3241: LA 36 TO LA 435: Mr. Gilbert performed the quantity and cost estimation for the new construction project of LA 3241. Mr. Gilbert designed the erosion control and signing for the project. The project is new construction of a 4-lane median separated, rural arterial roadway.			
12/2019-Present	MA-17-02/ RODDY ROAD WIDENING: US 61 TO LA 935: Mr. Gilbert performed the quantity and cost estimation for the Roddy Road widening project. Mr. Gilbert also performed the signing and erosion control for the project. The project was a reconstruction of the existing roadway that widened the existing section to current design standards.			
01/2020-Present	MA-18-08/ HENRY ROAD @ LA 930 ROUNDABOUT: Mr. Gilbert performed the quantity and cost estimation for the Henry Road RAB project. Mr. Gilbert also performed the drainage design and signing for the project. The project was a single lane RAB to replace a 4-way stop intersection.			
04/2020-04/2022	H.001799/ LA 531 OVERPASS: The LA 531 Overpass project was the replacement of a standard interstate interchange with two RABs. Mr. Gilbert performed the quantity and cost estimation. Mr. Gilbert performed the joint layout, drainage design, signing, and erosion control for the project. Mr. Gilbert assisted with sequencing of the project specifically designing the detour roadways.			
07/2020-Present	H.012588/H.012169/H.012587 I:10 OVERLAYS ATCH BASIN BRIDGE TO W END OF LA 415: These are three separate overlay projects that follow sequentially along I:10. The project intention is to overlay the existing pavement by 8” over existing structure, using transitions to meet tie-ins at project limits and bridges. Many of the projects are adjusting existing conditions to meet design standards. Mr. Gilbert managed all parts of plan creation under P.E. supervision. This includes adjustments to drainage, road, striping, earthwork, guardrail, sequence of construction, and cable barriers. OpenRoads was used moderately through the projects in attempt to prepare for the eventual switch to the program for DOTD projects.			
04/2021-08/2022	H.014051/ LAKEWOOD DR. RECONSTRUCTION: The Lakewood Dr. reconstruction is the reconstruction of an urban minor collector. Mr. Gilbert performed the quantity and cost estimation for the project. Mr. Gilbert also performed a drainage study in a separate contract with St. Charles Parish. The purpose was to investigate observed insufficiencies in the subsurface drainage system along the Lakewood Dr. corridor. The study used LADOTD HYDRWIN programs to inform sufficiency of the existing drainage system on Lakewood Dr.			

08/2021-Present	20-CP-HC-0015/ HENNESSEY BOULEVARD – PERKINS ROAD CONNECTOR DESIGN STUDY: The project is the adjustment of Hennessey Blvd. to allow for emergency access to Our Lady of the Lake Hospital from the southern approach. Currently the southern approach to the hospital can be obstructed by the railroad that runs East West and is located south of the hospital. The only way to avoid the potential obstruction posed by the R/R is to go over with a roadway bridge, or under using a R/R bridge. Mr. Gilbert performed preliminary vertical and horizontal alignment design, geometric design (multiple intersections). Final plan design is beginning, and Mr. Gilbert has performed drainage design for the project and geometric design.
05/2021-Present	MA-20-01/ LA 73 TO BLUFF ROAD (LA 928) CONNECTOR : The Bluff connector project is a new construction project for a connector road between LA 73 and Bluff Road. Mr. Gilbert handled vertical alignment and drainage design for the project. Mr. Gilbert also handled quantity and cost estimation for the project. A substantial portion of the project was designed using OpenRoads. This work in OpenRoads was also used to perform an inhouse OpenRoads tutorial presented by Mr. Gilbert.
05/2017-08/2017, 05/2018- 08/2018, 01/2019-06/2019	Mississippi Department of Transportation: Brookhaven Construction Office / Carthage Construction Office / Whitfield Construction Office: Mr. Gilbert interned with MDOT for two summers and was a full-time employee after graduation for five months. Mr. Gilbert worked for various MDOT construction offices which work to ensure MDOT projects are constructed to state standards and handles appropriate payment for construction. Mr. Gilbert began in inspection roles, ensuring contractors performed tasks to proper standards and quantities were recorded for payment purposes. Towards the end of his employment with MDOT Mr. Gilbert was being trained to manage projects. Mr. Gilbert spent most of his time with MDOT in the field, overseeing reconstruction, new construction, bridge construction and all-encompassing work related to these types of state transportation projects.

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		Civil Design & Construction, Inc. (CD&C)	
Name	Karla E. Weston, PE	Years of relevant experience with this employer	18
Title	President	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		Bachelor of Science / 1999 / Civil Engineering	
Active registration number / state / expiration date		31010 / Louisiana / March 31, 2024	
Year registered	2004	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Mrs. Weston will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/16-09/19	<u>H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA:</u> Mrs. Weston's served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.		
12/13 – 10/19	<u>H.02960 Gramercy Bridge, St. James Parish, LA:</u> Mrs. Weston served as Principal-in-Charge for the firm's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project		
02/14 - 02/15	<u>H.010620 I-49 Design Build, Lafayette, LA:</u> Mrs. Weston provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.		
05/13 – 05/14	<u>H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA:</u> Mrs. Weston served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.		
01/06 – 12/12	<u>EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA:</u> Mrs. Weston served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.		
03/12 – 07/12	<u>H.009104.5 - Sunshine Bridge Phase 2:</u> Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.		
05/11 – 04/12	<u>Red River – Jackson Street Bridge, Alexandria, LA:</u> Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the		

	Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.
06/12 – 10/12	<u>H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33</u> Ms. Weston served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
12/11 – 4/12	<u>H.005902.5 - Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29</u> Ms. Weston served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	<u>Picardy Avenue Extension–City/Parish of East Baton Rouge:</u> Mrs. Weston served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.

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		Civil Design & Construction, Inc. (CD&C)	
Name	Ralph Burgess, PLS	Years of relevant experience with this employer	12
Title	Principal Land Surveyor	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2004 / Industrial Design & Supervision, Southeastern LA University	
Active registration number / state / expiration date		5040 / Louisiana – September 30, 2024	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities.		Mr. Burgess serves as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
07/18 – On-Going	<u>Plank Rd Realignment, Baton Rouge, LA:</u> Mr. Burgess served as the Survey Manager on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying and ROW mapping for the realignment of Plank Rd. for Baton Rouge Metro Airport. This project includes 2 phases of relocations and ROW mapping. CD&C is providing full topography ROW mapping services for both phases.		
09/21 – 03/22	<u>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</u> Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University The topographic data for this project was collected both traditionally and utilizing 3D Scanning. Mr. Burgess worked with SUE sub-consultant, TBS, as well as CD&C crews to obtain and incorporate all utility data as well.		
08/21 – On-Going	<u>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</u> Mr. Burgess was the Survey Manager for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.		
7/17-12/18	<u>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</u> Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.		
03/22 – 09/22	<u>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</u> Mr. Burgess served as Survey Manager for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features.		

	CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
07/20 – 04/21	<u>H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish:</u> Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18-01/20	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
01/16-08/16	<u>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</u> Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15-12/18	<u>H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA:</u> Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals
02/14-12/17	<u>H.010620 I-49 Design-Build (US 90, Albertson's Parkway to Ambassador Caffery) Lafayette, LA:</u> Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, established existing ROW and provided existing ROW mapping for LADOTD.
08/16-On-Going	<u>H.011235 I-49 South at Verot School Road, Lafayette, LA:</u> Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, and final review of all survey data. CD&C is also providing complete ROW mapping on this project including property surveys and final ROW maps.
02/21 – 07/22	<u>H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA:</u> Mr. Burgess was the Survey Manager for this bridge replacement project. CD&C provided topographic survey as well as property surveys and ROW mapping.
02/21 – 07/22	<u>H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek:</u> Mr. Burgess was the Survey Manager for this bridge replacement project. CD&C provided topographic survey as well as property surveys and ROW mapping.

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		Civil Design & Construction, Inc. (CD&C)	
Name	Chris Ballard, PLS	Years of relevant experience with this employer	8
Title	Survey Project Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Biological Science / Southeastern LA University	
Active registration number / state / expiration date		5033 / Louisiana – September 30, 2024	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities.		Mr. Ballard serve as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
09/01/18-01/20	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Mr. Ballard is the Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.		
04/17-07/17	<u>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</u> Mr. Ballard served as the firms Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.		
02/19-09/19	<u>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA:</u> Mr. Ballard is serving Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.		

01/17-12/17	<u>East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:</u> In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16 - 11/16	<u>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:</u> Mr. Ballard served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 -09/17	<u>H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA:</u> Mr. Ballard served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning .
07/18 – On-Going	<u>Plank Rd Realignment, Baton Rouge, LA:</u> Mr. Ballard served as the Survey Project Manager on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying and ROW mapping for the realignment of Plank Rd. for Baton Rouge Metro Airport. This project includes 2 phases of relocations and ROW mapping. CD&C is providing full topography ROW mapping services for both phases.
10/15 - 12/18	<u>H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA:</u> Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
08/16-On-Going	<u>H.011235 I-49 South at Verot School Road, Lafayette, LA:</u> Mr. Ballard served as a Survey PM on this project. Duties included aiding in the coordination of field crews for both topographic survey and property surveys for ROW mapping , QC review of data for submittals. CD&C is also providing complete ROW mapping on this project including property surveys and final ROW maps.
10/15 - 01/16	<u>H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA:</u> Mr. Ballard served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	<u>260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA:</u> Mr. Ballard worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	<u>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</u> Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning .

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		Civil Design & Construction, Inc. (CD&C)	
Name	Madison Mills, PLS	Years of relevant experience with this employer	2
Title	Professional Land Surveyor	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		PLS 5293/LA/03/31/2025	
Year registered	11/15/2022	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities.		Mr. Mills joined CD&C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
08/22 – On-Going	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.		
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.		
09/21 – 03/22	H.014747 Southern University Ravine Protection, East Baton Rouge Parish: Mr. Mills served as a Survey Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University The topographic data for this project was collected both traditionally and utilizing 3D Scanning.		
08/21 – On-Going	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Mills served as a Survey Tech for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.		

03/22 – 09/22	<u>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</u> Mr. Mills served as a Survey Tech for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
02/21 – 07/22	<u>H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek:</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	<u>H.013955 LA 961 Bridge at Sandy Creek, West Feliciana Parish, LA :</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	<u>H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA:</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
07/21 – 11/21	<u>H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA:</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
02/21 – 05/21	<u>H.010108 Safe Routes to Schools – Independence Sidewalks, Baton Rouge, LA:</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
07/21 – 12/21	<u>H.0014560.5 LA 94 Vermillion River, St. Martin Parish, LA:</u> Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.

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		Civil Design & Construction, Inc. (CD&C)	
Name	Bradley Jacobs, EI	Years of relevant experience with this employer	1
Title	Engineering Intern	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		No. 0032456 / Louisiana / 09/30/2023	
Year registered	06/08/2015	Discipline	Engineering Intern
Contract role(s) / brief description of responsibilities		Mr. Jacobs will process field crew data and finalize deliverables.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
08/22 – On-Going	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Jacobs is working as a Survey Technician this Louisiana Watershed Initiative project. He has been responsible for processing field data and creating punch-lists for field crews. CD&C is a sub-consultant on this project.		
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Jacobs is working as a Survey Technician this Louisiana Watershed Initiative project. He has been responsible for processing field data and creating punch-lists for field crews. CD&C is a sub-consultant on this project.		
01/15 – 05/15	Albany Annex - Worked on the boundary survey for extending the town limits of Albany, Louisiana. I went to the courthouse and did title research for the properties that were obtained for the annex. I set the new boundary lines for the new town limits. I also drew the map showing the boundary of the properties that were obtained.		
06/15 – 06/19	Pecue Lane - Worked on Right of Way maps and the Traverse Control Sketch. For the Right of Way maps, I set where the monuments will be in the office. I also calculated the bearings and distances between each right of way monument. I also wrote the legal descriptions for the Right of Way and verified that it matches the maps. I also created the control sketch based off the traverse. All drawings were created up to DOTD Standards.		
06/15 – 07/15	Essen Lane Control - Worked on Right of Way maps in the office and helped set monuments in the field. I set the points for all the right of way monuments in the office and then went to the field to assist the crews in staking out and setting the monuments 2021 Bellacosa Residential Subdivision - Generate Point file for the survey crew to stakeout the property corners for each lot within the subdivision.		
04/21 – 05/21	Jefferson and Corporate Interchange Survey - Created the GPS control sketch that shows the traverse for the survey.		
06/2021	Pollard Branch - Wrote the legal descriptions for three different tracts. The legal descriptions reflected the overall boundary survey maps. Topographic Surveys		
06/14 – 07/14	I-12 to Bush – Worked as a rodman. We cut cross sections every 100 feet for road improvements and did a topographic survey using total stations.		

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	Civil Design & Construction, Inc. (CD&C)		
Name	Trent Norris	Years of relevant experience with this employer	9
Title	Senior Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Norris serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
10/20 – 01/21	<u>H014302 US 165 Lighting, Monroe, LA:</u> Mr. Norris served as the lead Survey Technician on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.		
01/18 – 01/20	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Mr. Norris was the #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
07/17 – 12/18	<u>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		
04/17 – 07/17	<u>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		
08/16 – 01/18	<u>H.011235 I-49 Verot School Road, Lafayette, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		
10/16 – 10/16	<u>H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		
10/15 – 12/18	<u>H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		
01/16 – 07/16	<u>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</u> Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.		

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	Civil Design & Construction, Inc. (CD&C)		
Name	Scott Benton	Years of experience with this firm/employer	6
Title	Senior Technician	Years of experience with other firm(s)/employer(s)	5
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA Traffic Control Supervisor, Technician & Flagger	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Benton serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
10/20 – 01/21	H014302 US 165 Lighting, Monroe, LA: Mr. Benton served as the firm’s lead 3D Scanning Technician on this lighting project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.		
12/19 – 01/2020	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Benton served as a 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
03/14 – 06/14	H.008369 Cleo Road Roundabout, St. Tammany Parish, LA: Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.		
05/13 – 07/13	H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.		
02/13 – 06/13	H.005693 LA 447, Walker, LA: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C’s responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.		
10/14 – 12/14	H.011088.5 West Prien Lake, Lake Charles, LA: Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.		

07/14 – 10/15	<u>H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:</u> Mr. Benton served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting necessary topographic data from them thru TopoDot to put into InRoads.
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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	Civil Design & Construction, Inc. (CD&C)		
Name	Philip Dupree	Years of relevant experience with this employer	11
Title	Survey Party Chief	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			
Active registration number / state / expiration date	NSPS Certified Survey Technician, Level III, Boundary Cert. No. 0799-1106 Nationwide; ATSSA Certified as Registered Flagger ATSSA Certified Traffic Control Tech & Traffic Control Supervisor		
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	Mr. Dupree is the Senior Survey Party chief who will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
07/20 – 04/21	<u>H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish:</u> r. Dupree was the Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.		
01/18-02/2020	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Mr. Dupree is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
07/17-12/2018	<u>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</u> Mr. Dupree is serving as Field coordinator on this project by working specifically to set the control on the job and overseeing field crews as they work to complete the topography.		
10/15-12/2018	<u>H.011235 I-49 South at Verot School Road, Lafayette, LA:</u> Mr. Dupree served as Field coordinator on this project. He resurrected the original control set on the project and oversaw the checking of it. Mr. Dupree was the field coordinator with the R/R and also the SUE contractor on the project. He oversaw all field crews and ensured that the project was completed accurately and timely.		
01/16-08/2016	<u>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</u> Mr. Dupree served as Field coordinator on this urban roadway topography project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule.		
10/16-11/2016	<u>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:</u> Mr. Dupree served as Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer’s design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.		

07/14/10/2015	<u>H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:</u> Mr. Dupree served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13-07/13	<u>H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA:</u> Mr. Dupree served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	<u>H.011088.5 West Prien Lake, Lake Charles, LA:</u> Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	<u>H.010620 I-49 Design Build:</u> Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Mr. Dupree also was the lead Party Chief for the property surveys on this project.

16. Staff Experience:

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Firm employed by		Civil Design & Construction, Inc. (CD&C)	
Name	Jacob Stoehr	Years of relevant experience with this employer	8
Title	Survey Party Chief	Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA TCS, TCT, Flagger	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
01/18-01/2020	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Mr. Stoehr served as a Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
07/17-12/2018	<u>H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
08/16-01/2018	<u>H.011235 I-49 Verot School Road, Lafayette, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
05/17-07/2017	<u>H.011909.5-2 Roundabout US 171 at Boone Street, Vernon Parish, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
01/16 – 08/16	<u>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
10/15 – 12/2018	<u>H.003184.5 I-10 Texas State Line East of Coone Gully:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
10/16 – 11/16	<u>H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		

16. Staff Experience:

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Firm employed by	Civil Design & Construction, Inc. (CD&C)		
Name	Jason Stoehr	Years of relevant experience with this employer	5
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA Traffic Control Technician, Flagger	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
08/22 – On-Going	<u>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</u> Mr. Stoehr is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.		
01/22 – 11/22	<u>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:</u> Mr. Stoehr worked as Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.		
07/20 – 04/21	<u>H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish:</u> Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.		
01/18-01/2020	<u>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</u> Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
07/17-12/2018	<u>H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
08/16-01/2018	<u>H.011235 I-49 Verot School Road, Lafayette, LA:</u> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
02/19 - 09/19	<u>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA:</u> Mr. Stoehr served as a Jr. Party Chief this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA’s policies and procedures.		
7/17 – 12/18	<u>H.003184.5 I-10 Texas State Line East of Coone Gully:</u> Mr. Stoehr served as an instrument man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		

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		Civil Design & Construction, Inc. (CD&C)	
Name	Alex Wells	Years of relevant experience with this employer	3
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA TCS, TCT, Flagger	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Wells joined CD&C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
09/21 – 03/22	<u>H.014747 Southern University Ravine Protection, East Baton Rouge Parish</u> : Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
08/21 – On-Going	<u>H.011833.5 St. Mary Street Sidewalks; Scott, LA</u> : Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
09/22 – 01/23	<u>(Proj# Not Available) BRMA Northwest Aviation Development</u> : Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
07/20 – 10/21	<u>H.013989 Greybow Rd. Palmetto Creek</u> : Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
07/20 – 04/21	<u>H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish</u> : Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.		
02/21 – 05/21	<u>H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA</u> : Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
10/20 – 01/21	<u>H014302 US 165 Lighting, Monroe, LA</u> : Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.		

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		Civil Design & Construction, Inc. (CD&C)	
Name	Drennon Humphreys	Years of relevant experience with this employer	2
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		Flagger, TCT	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Mr. Humphreys will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).		
08/22 – On-Going	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Humphreys is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.		
01/21 – 06/21	H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA: Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.		
02/21 – 05/21	H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek, Allen Parish, LA: Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.		
02/21 – 01/22	Move BR: Lee Drive – Highland Rd. to Perkins Rd., Baton Rouge, LA: Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 1.8 mile road improvement project as part of the Move BR infrastructure initiative.		
04/21 – 12/21	Move BR: Hennessy Blvd. –Perkins Rd. to Picardy Ave., Baton Rouge, LA.: Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 0.4 mile road improvement project to create an underpass at the R/R crossing. This project is a part of the Move BR infrastructure initiative.		
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Humphreys is working as a Instrument Man and now a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.		
01/22 – 05/22	H.013956 Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA: Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.		

16. Staff Experience:

Firm employed by A P S Engineering and Testing, LLC				
Name	Sergio Aviles, P.E.		Years of relevant experience with this employer	11
Title	President		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS Civil Engineering/2001/Geotechnical		
Active registration number / state / expiration date		0033571/ LA / 03-31-2024		
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Project Manager/Design Guidance/Field Crew And Lab Management		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/19–Present	Project No. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA-19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical Designers for the project. Mr. Aviles is the Project Manager for the Project Design team.			
09/19–Present	Project No. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU Lakes. Along with this drilling and sampling, A P S will also test for strength and engineering characteristics of the soils with total of eight (8) over the waterborings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles is the Project Manager to the Geotechnical Investigations.			
12/19–3/20	Project No. H.010155: US 90 Railroad Overpass SE of LA 85- A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendation. Mr. Aviles was the Project Manager for the Project Design team.			
03/19–05/19	Project No. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Aviles was the Project Manager for the Project Design team.			
08/16–10/19	Project No. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Aviles was the Project Manager to the Geotechnical Investigations.			

11/17–2/18	<p>Project No. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Aviles was the Project Manager to the Geotechnical Investigations and Analysis assigned for roads and bridges.</p>
07/14–08/14	<p>Project No. 700-51-0110: US 90 elevated portion for the future I-49 corridor- A P S performed all the preliminary drilling, testing, and CPTs for US 90 and Highway 318 Intersection. A total of 46 borings and 11 CPTs along with all the testing required by LADOTD was completed. Mr. Aviles was the Project Manager to the Geotechnical Investigations and Analysis assigned for roads and bridges design.</p>
	<p>The following list consists of projects that Mr. Aviles did the design or assisted on the design while at LADOTD. These projects include pile design, slope stability, settlement analysis, and construction services (PDA, CAPWAP, and WEAP).</p> <p>ONSYSTEM PROJECTS LIST:</p> <p>Mr. Aviles served as the staff geotechnical engineer while at the Pavement and Geotechnical Section for the following projects below. Projects include Embank Design, Pile Design, Drilled Shaft Design, MSE Wall Design, and Construction Supervision. Major project costs estimated over one million dollars:</p> <ul style="list-style-type: none"> • 015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 Innerloop 427-01-0029, 362-01-0009 Rat Bois, 452-01-0039 I-55 CrossOvers, 742-07- 0098 Susek Drive, Bayou Perrie and Sand Beach Bayou 103-01-0025, Broadway Ave.700-40-0127, Cameron Route La. 27 193-02-0042, Causeway Boulevard interchange Route I-10 450-15-0098, Clayton-Greenville 026-03-0025, Crescent City Connection 283-08-0143(46), Cross Bayou Bridge 090-01-0020, Flannery at Florida 742-17-0008.

16. Staff Experience:

Firm employed by A P S Engineering and Testing, LLC			
Name	Sairam Eddanapudi, M.E., P.E.		Years of relevant experience with this employer
Title	Chief Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		ME/2002/Civil Engineering BE/1999/Civil Engineering	
Active registration number / state / expiration date		0035129/ LA / 03-31-2024	
Year registered	2008	Discipline	Civil
Contract role(s) / brief description of responsibilities		Laboratory QA Manager/Design Engineer	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/19–Present	Project No. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA-19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Sai is the Senior Design Engineer for the project design team.		
09/19–Present	Project No. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling, A P S will also test for strength and engineering characteristics of the soils with a total of eight (8) over the water borings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai is the project QA to the Geotechnical Investigations.		
03/19–05/19	Project No. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Sai was the Senior Design Engineer for the project design team.		
08/16–10/19	Project No. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits performed by A P S Laboratory. Mr. Sai was QA to the Geotechnical Investigations.		
11/17–2/18	Project No. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Sai was QA to the Geotechnical Investigations.		

16. Staff Experience:

Firm employed by A P S Engineering and Testing, LLC				
Name	Surendra Pathak, P.E.		Years of relevant experience with this employer	9
Title	Staff Engineer		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		MSCE/2013/Civil Engineering BE/2007/Civil Engineering		
Active registration number / state / expiration date		0043487/LA/9-30-25		
Year registered	2019	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Staff Engineer-Review Field Logs, Lab Data, And Design Engineer		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
11/19–Present	Project No. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA-19- A P S was selected with the winning team for the design of the diversion CMAR project. A P S will be the Geotechnical designers for the project. Mr. Surendra is a Design Engineer for the project design team.			
09/19–Present	Project No. H.004100: I-10 Widening LA 415 to Essen LN- A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 52 deep borings starting at the Washington Exit and ending at the LSU lakes. Along with this drilling and sampling A P S will also test for strength and engineering characteristics of the soils with. A total of eight (8) over the waterborings and 44 land borings with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Surendra is a staff engineer to the Geotechnical Investigations.			
03/19–05/19	Project No. H.001344: US 190 over Bogue Falaya River- A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. Mr. Surendra was a Design Engineer for the project design team.			
08/16–10/19	Project No. H.012422: I-110 Interchange Modification at Terrace Ave- A P S was tasked thru our DOTD Geotechnical retainer to drill and sample a total of six (6) deep borings for the design of the Terrace Ave Exit. A P S tested for strength and engineering characteristics of the soils with approximately 100 Triaxial Compression, Unconsolidated Drained Or Undrained (UU)and Atterberg Limits performed by A P S Laboratory. Mr. Surendra was a staff engineer to the Geotechnical Investigations.			
11/17-2/18	Project No. H.013193: US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD Geotechnicalretainer to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S tested for strength and engineering characteristics of the soils. Mr. Surendra was a staff engineer to the Geotechnical Investigations.			

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)*	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 **one of 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:**

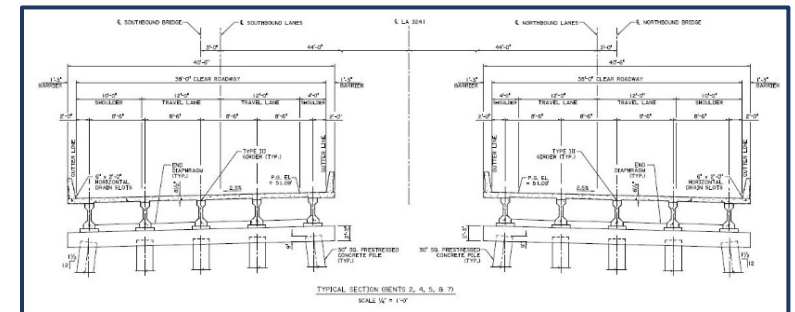
Richard R. Shread, P.E., P.L.S. (Project Supervisor)
Ripley "Gary" W. McClure, P.E. (Engineering Supervisor/Bridge Design)
John P. Raymond, P.E. (Project Manager/Road Design)
Niccola D. Gill, P.E. (Environmental/Hydraulics)

100% of work was performed in Louisiana

17. Firm Experience:

Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation 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	US 90 Rail Crossing		Firm responsibility (prime or sub?)	Prime
Project number	H.010155	Owner's name	LADOTD	
Project location	Iberville Parish		Owner's Project Manager	Ryan Morvant
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1067 / Ryan.Morvant@la.gov			
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost (\$1,000's)		\$ 1,501
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$ 1,243

H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – For the future I-49, Ms. Gill is the Project Engineer and Lead Design Engineer for this project which consists of preliminary and final plans for roadway and structure improvements at the existing at grade railroad crossing at US 90 in Iberia Parish. The existing at-grade railroad crossing will be replaced with a bridge structure crossing the railroad. **The new bridges will consist of twin spans each 2080 feet long. Each bridge will consist of 26, LG-36 concrete girder spans.** The existing frontage roads will be used for traffic diversion during bridge construction. Ms. Gill is also designing the roadway approaches for several thousand feet to accommodate the bridge structure.

**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. (Lead Roadway and Bridge Design)

100% of work will be performed in Louisiana

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	Kurt Brauner
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1933 / Kurt.Brauner@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. **The LA 73 overpass/bridge will consist of 2-120 foot LG-63 Girder Spans.**

**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)
Nicola D. Gill, P.E. (Bridge Design)

100% of work was performed in Louisiana

17. Firm Experience:			
Firm name	Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	St. Mary Street Sidewalks	Firm responsibility (prime or sub?)	Sub
Project number	H.011833.5	Owner's name	LADOTD
Project location	Scott, LA	Owner's Project Manager	Ryan Richard
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-379-1232 Ryan.Richard@la.gov		
Services commenced by this firm mm/yy	08/21	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	On Going	Cost of consultant services provided by this firm (\$1,000's)	\$65

Project Description: This project in Scott, LA, is to improve pedestrian movement and add sidewalks along the corridor. The survey limits began approximately 200' before the centerline intersection of St. Mary Street and Park West Drive, then continued South to the intersection of St. Mary Street and Cameron Street (LA 93) for an estimated total distance of one (1) mile. The survey width included ten (10) feet outside of the apparent right of way. All side streets were surveyed sixty (60) feet from the intersection of the centerline with the St. Mary Street Centerline.

CD&C's Role: CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.

Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS Survey Manager; Christopher Ballard, PLS Survey PM; CJ Goodspeed, SUE PM; Tracey Smith, SUE Field Coordinator; Phil Dupree, Sr. Party Chief; Trent Norris, 3D Scanning Tech; Scott Benton, 3D Scanning Tech; Alex Wells, Party Chief; Jason Stoehr, Party Chief; Drennon Humphreys, Instrument Man; Madison Mills, PLS, Survey Tech; Brad Jacobs, EI, Survey Tech

Performed in LA: 100%



17. Firm Experience:			
Firm name	Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 30 Roundabouts at Tanger I-10	Firm responsibility (prime or sub?)	Sub
Project number	H.010960.5-2	Owner's name	LADOTD
Project location	Ascension Parish, LA	Owner's Project Manager	Josh Harrouch
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-279-1232 Joshua.Harrouch@la.gov		
Services commenced by this firm (mm/yy)	07/17	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	12/18	Cost of consultant services provided by this firm (\$1,000's)	\$85

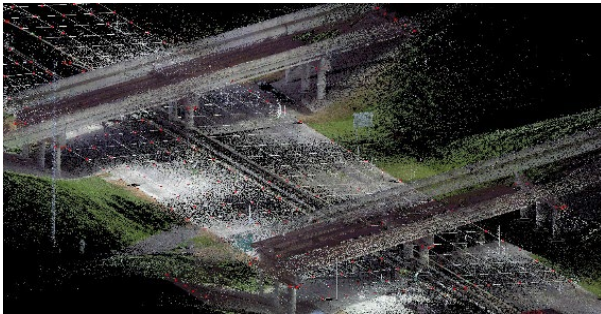
Project Description: This project located in Ascension Parish is an addition to existing topographic surveys for H.011897.5 and H.011873.5. A complete topographic survey including all utilities with depths and all drainage is required, along with finish floor elevations of all buildings that fall within the survey limits. Project begins at a point approximately 765' west of the intersection of LA 30 and South St. Landry Avenue. From this point the project shall proceed east, along LA 30 ending approximately 500' west of the intersection of LA 30 and Veterans Boulevard. The project total distance is approximately 3,352'. The width of survey and DTM shall vary.

In 2018, CD&C was supplemented to update this survey to account for construction that was being completed along the route. As part of this supplement, the firm also was scoped to complete an existing drainage map for the project.

CD&C's Role: CD&C completed a topographic survey between H.011897.5 and H.011873.5 along LA 30 in Gonzales. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. Control was set for the scanning throughout the project limits. CD&C coordinated with Cardno, Inc. (on utility location retainer with LADOTD) for all the utility information and supply the survey data back to Cardno for their submittal. Another aspect of this project is CD&C had to merge the previous surveys with this project in order to make a complete survey of the LA 30. This was performed at the request of LADOTD.

Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS Survey Manager; Christopher Ballard, PLS Survey PM; John Ewing, Survey Technician; Phil Dupree, Sr. Party Chief; Trent Norris, 3D Scanning Tech; Jacob Stoehr, Party Chief;

Performed in LA: 100%



17. Firm Experience:			
Firm name	Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 182: Roundabout at Hollywood Road	Firm responsibility (prime or sub?)	Sub
Project number	H.010890.5	Owner's name	LADOTD
Project location	Terrebonne Parish, LA	Owner's Project Manager	Josh Harrouch
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802 225-279-1232 Joshua.Harrouch@la.gov		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	08/15	Cost of consultant services provided by this firm (\$1,000's)	\$55

Project Description:

This project required a topographic survey along a portion of the existing routes of LA 182 and Hollywood Road, including all utilities as provided by utility companies and all drainage. This task included finish floor elevations of all buildings that fall in the survey limits. This project was completed in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation procedures.

CD&C's Role:

CD&C began the survey at the intersection of LA 182 and N. Hollywood Road. This intersection is referred to as the Point of Beginning in this scope. From this Point of Beginning, the survey and DTM shall cover a radius of 175 feet from the above Point of Beginning, the survey proceeded in a northeasterly direction along LA 182 for approximately 600 feet. All topographic survey elements were performed in accordance with the latest LADOTD Location and Survey Manual and conformed to the latest standard practices/procedures and all deliverables were in LADOTD required formats.

Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E., PM & Engineer; Ralph Burgess, PLS, Survey Manager; Trent Norris, Rodman; Erik Norris, Party Chief; John Ewing, Survey Technician.

Performed in LA: 100%



17. Firm Experience:

Firm name	A P S Engineering and Testing, LLC		Past Performance Evaluation Discipline(s)*	** Geotech
Project name	I-10 Widening LA 415 to Essen LN		Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	DOTD	
Project location	Baton Rouge		Owner's Project Manager	Kristy Smith, P.E.
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA. 70802-4438 (225) 379-1016 Kristy.Smith2@LA.GOV			
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm (\$1,000's)	\$400	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

GEOTECHNICAL INVESTIGATION TO PROVIDE CLIENT WITH THE NECESSARY INFORMATION FOR PLANNING AND DESIGN OF I-10 WIDENING. A P S WAS TASKED THRU OUR DOTD GEOTECHNICAL RETAINER TO DRILL AND SAMPLE A TOTAL OF 52 DEEP BORINGS STARTING AT THE WASHINGTON EXIT AND ENDING AT THE LSU LAKES. ALONG WITH THIS DRILLING AND SAMPLING, A P S WILL ALSO TEST FOR STRENGTH AND ENGINEERING CHARACTERISTICS OF THE SOILS. A TOTAL OF EIGHT (8) OVER THE WATER BORINGS AND 44 LAND BORINGS WITH APPROXIMATELY 1000 TRIAXIAL COMPRESSION, UNCONSOLIDATED DRAINED OR UNDRAINED (UU) AND ATTERBERG LIMITS PERFORMED.

MEMBERS INVOLVED:

ENGINEERING

SERGIO AVILES, P.E. - PROJECT MANAGER

SAI EDDANAPUDI, M.E., P.E. - PROJECT ENGINEER

SURENDRA RAJ PATHAK, M.S., P.E. - STAFF ENGINEER

LABORATORY TESTING

SERGIO AVILES, P.E. - QA/QC

SAI EDDANAPUDI, M.E., P.E. - QA/QC

DRILLING

VAN GEORGE - DRILLER

MELVIN VASQUEZ - DRILLER TECH

ERIC BATEASTE - DRILLER

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES

X	Geotechnical Explorations (GE)
X	Geotechnical Design (GD)
X	Geotechnical Construction (GC)
X	Topographic Survey (LC)
X	CMAR
X	Contract Management (CM)



17.Firm Experience:

Firm name	A P S Engineering and Testing, LLC	Past Performance Evaluation Discipline(s)*	**Geotech	
Project name	Comite River Diversion Bridge at LA-67, LA-19 AND LA-19 Railroad Bridge	Firm responsibility (prime or sub?)	Sub	
Project number	H.001352 and H.002273	Owner's name	Huval & Associates, Inc.	
Project location	East Baton Rouge	Owner's Project Manager	Thomas M. Gattles, III, P.E.	
Owner's address, phone, email	922 West Pont des Mouton Road Lafayette, LA 70507 Wk: (337) 234-3798 Fax: (337) 234-2475 tgattle@huvalassoc.com			
Services commenced by this firm (mm/yy)	05/20	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm (\$1,000's)	\$150K	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

GEOTECHNICAL ENGINEERING TO PROVIDE CLIENT WITH THE NECESSARY INFORMATION FOR PLANNING AND BUILDING OF LA-19 RR BRIDGE - SLOPE STABILITY (EMBANKMENT), L A- 19 RR BRIDGE - EMBANKMENT/ MSE WALL SETTLEMENT/ RETAINING WALL, LA 19 TWIN BRIDGE S - PPC PILES, L A-67 BRIDGE - DRILLED SHAFTS. ALL THE NECESSARY DESIGN WILL BE PERFORMED BY A P S. TASK ODER ISSUED AS OF TODAY. A P S DRILLED AND SAMPLED ALL THE BORINGS FOR DOTD THRU THE GEOTECHNICAL RETAINER AND TESTING WAS PERFORMED IN HOUSE BY A P S LABORATORY.

MEMBERS INVOLVED:

ENGINEERING

- SERGIO AVILES, P.E.- PROJECT MANAGER**
- SAI EDDANAPUDI, M.E., P.E.-PROJECT ENGINEER**
- SURENDRA RAJ PATHAK, M.S., P.E.- STAFF ENGINEER**

LABORATORY TESTING

- SERGIO AVILES, P.E.-QA/QC
- SAI EDDANAPUDI, M.E., P.E.- QA/ QC
- DONNA EASTERLY- LAB MANAGER
- CINDY FALKS-LAB TECH

DRILLING

- VAN GEORGE-DRILLER
- ERIC BATEASTE-DRILLER
- MELVIN VASQUEZ -DRILLER TECH
- OSCAR JOHNSON-DRILLER TECH
- TRENTON ANDERSON-DRILLER TECH

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES	
<input checked="" type="checkbox"/>	Geotechnical Explorations (GE)
<input checked="" type="checkbox"/>	Geotechnical Design (GD)
<input checked="" type="checkbox"/>	Geotechnical Construction (GC)
<input checked="" type="checkbox"/>	CMAR
<input checked="" type="checkbox"/>	Constructability
<input checked="" type="checkbox"/>	Contract Management (CM)



17.Firm Experience:

Firm name	A P S Engineering and Testing, LLC		Past Performance Evaluation Discipline(s)*	**Geotech
Project name	US-90 Railroad Overpass (S. East of LA-85)			Firm responsibility (prime or sub?) Sub
Project number	H.010155	Owner's name	Shread-Kurykendall & Associates, Inc	
Project location	Iberia Parish		Owner's Project Manager	Nicci D. Gill
Owner's address, phone, email	13016 Justice Ave. Baton Rouge, LA 70816 (225) 296-1335 (225) 296-1338 (fax) ngill@skaenger.com			
Services commenced by this firm (mm/yy)	11/19	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm (\$1,000's)	\$105K	

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

GEOTECHNICAL INVESTIGATION TO PROVIDE CLIENT WITH THE NECESSARY INFORMATION FOR PLANNING AND DESIGN OF A 12 FT. X 10 FT. RCB, 412 FT. IN LENGTH. A TOTAL OF SIX (6) DEEP BORINGS WERE COMPLETED BY A P S. OVER 60 ATTERBERGS AND UUs WERE TESTED BY A P S WITH 18 CONSOLIDATION TESTS. ALL THE NECESSARY TESTING WAS PERFORMED IN HOUSE BY A P S LABORATORY.

MEMBERS INVOLVED:

ENGINEERING

- SERGIO AVILES, P.E. - PROJECT MANAGER**
- SAI EDDANAPUDI, M.E., P.E. - PROJECT ENGINEER**
- SURENDRA RAJ PATHAK, M.S., P.E. - STAFF ENGINEER**

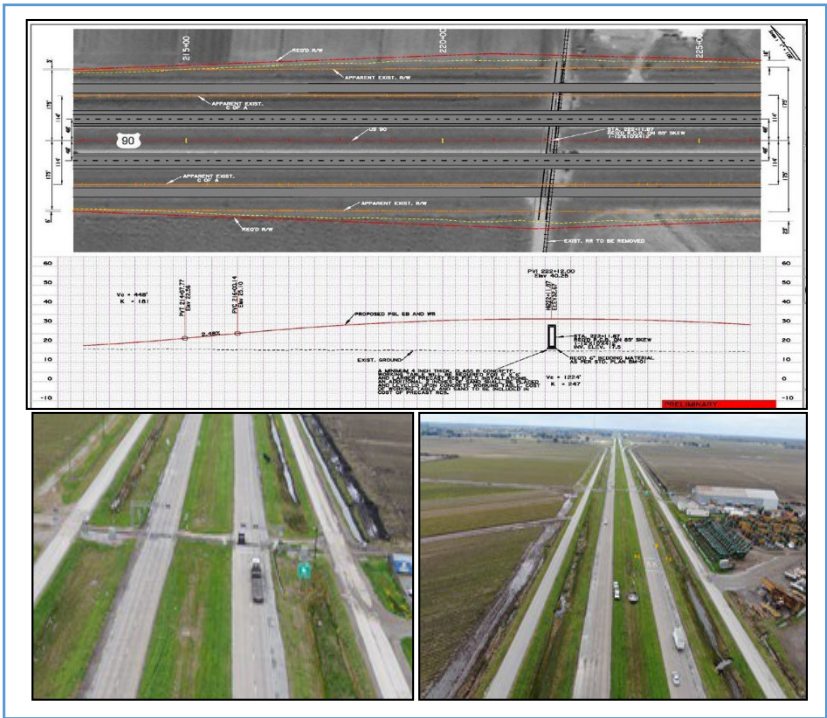
LABORATORY TESTING

- SERGIO AVILES, P.E. - QA/QC
- SAI EDDANAPUDI, M.E., P.E. - QA/QC
- DONNA EASTERLY - LAB MANAGER
- CINDY FALKS - LAB TECH

DRILLING

- MELVIN VASQUEZ - DRILLER
- TECHVAN GEORGE - DRILLER
- ERIC BATEASTE - DRILLER
- OSCAR JOHNSON - DRILLER TECH
- TRENTON ANDERSON - DRILLER TECH

SIMILARITIES TO PROFESSIONAL GEOTECHNICAL SERVICES	
<input checked="" type="checkbox"/>	Geotechnical Explorations (GE)
<input checked="" type="checkbox"/>	Geotechnical Design (GD)
<input checked="" type="checkbox"/>	Geotechnical Construction (GC)
<input checked="" type="checkbox"/>	Constructability
<input checked="" type="checkbox"/>	Contract Management (CM)



18. Approach and Methodology:

For more than 30 years Shread-Kuyrkendall & Associates (SKA) has been providing roadway and bridge design services to DOTD and other agencies similar to this project. Key personnel that would be assigned to this project have been with SKA for most of their careers. John Raymond has been with SKA for over 30 years and Niccola Gill has been with SKA for over 20 years providing roadway design services for DOTD. Gary McClure has been with SKA for 31 of his 39 years working with DOTD throughout this time. In fact, Mr. McClure began his career working for DOTD in the Bridge, Geometric, and Road Design Sections.

Company History: Shread-Kuyrkendall & Associates (SKA) was incorporated in 1975 under its previous name, Stewart-Kuyrkendall & Associates. In 1989, Richard Shread bought the company and changed the company's name to its current. In 1991, Ripley "Gary" McClure joined the company having come from a large national firm. Since that time, SKA has been involved in preliminary and final plan development for DOTD providing bridge design (simple and complex), roadway design (urban and rural/arterial and interstate), accompanied with hydrologic/hydraulic design, design of safety projects, design for pavement preservation projects, and design of new alignments for roadways.

APPROACH AND METHODOLOGY

The following paragraphs is SKA's proven approach that will be used for this project and the methods used to ensure that this project will be completed on schedule with a high level of quality control and assurance.

Project Kickoff Meeting: SKA, along with its team members will assist the Project Manager (PM) in scheduling and attending a Kick-off Meeting to discuss and develop background information, communication channels, schedules, and submittals. In addition, a discussion of the scope will assist with understanding expectations of the PM which will assist SKA in developing an Project Management Plan.

Environmental Assessment (EA) Review and Site Visit: SKA will review the EA to identify any concerns or constructability issues that may need to be addressed. Once the EA review is complete, a field visit will be

DOTD Performance Review Quote...

"The plans that Shread-Kuyrkendall and Associates, Inc. submitted for this project were accurate, clear, and well laid out. It is clear that the consultant has had extensive experience with LADOTD plan preparation."

conducted and any issues previously identified will be reviewed in the field or newly identified will be brought to the attention of the PM and if directed, to the stakeholders.

As with all projects, SKA will work closely with DOTD's PM, and will provide a plan set that is ready for construction and that minimizes plan changes using a proven QA/QC process.

Topographic Surveys: SKA has teamed with Civil Design and Construction (CDC) on multiple projects which provides for a level of communication that has developed over many years. CDC will provide all surveying services, including drainage maps, stream sections and profiles for bridge hydraulics, title research reports, property surveys, right-of-way maps, and title takeoffs. CDC will ensure that the topographic survey shall adhere to all modern survey theory, practice, and procedures, and follow the latest version of the LADOTD Location and Survey Manual including typical surveying methods as applied by LADOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. CDC's current backlog will allow them to begin topographic surveys immediately upon receiving an NTP.

Preliminary Plans:

For our **roadway design**, SKA will utilize the DOTD Road Design Manual for plan development and delivery, the American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets the MUTCD, AASHTO's Roadside Design Guide, and the Highway Safety Manual.

For our **bridge design**, SKA will utilize the Bridge Design and Evaluation Manual (BDEM), Bridge Design Technical Memorandums (BTM's), and AASHTO LRFD Bridge Design Specifications.

We understand typical submittal stages to be 30%, 60%, 95%, and 100% Preliminary Plans. However, to expedite this project, we would propose to eliminate the 30% submittal and begin with a 60% submittal instead. SKA's experience with DOTD projects would allow this change to be made with confidence. However, if DOTD deems it necessary to have a 30% submittal, SKA will certainly comply and meet the requirements necessary.

DOTD Performance Review Quote...

"Shread-Kuyrkendall and Associates, Inc. were always prompt with responses and displayed acute knowledge of LADOTD plans and practices. When issues arose and changes became necessary late in the design process, Shread went ABOVE and BEYOND to provide the changes in a prompt fashion to keep the project on schedule for the scheduled letting date."

SKA will provide plans created utilizing CADConform and in compliance with the DOTD CAD standards. Our roadway design will be completed with the use of InRoads/OpenRoads, our bridge design will be accomplished using OpenBridge Designer, and our final bridge ratings will be provided using AASHTOWare Bridge Rating.

For drainage design, SKA will design in accordance with the LADOTD Hydraulics Manual. SKA will utilize LADOTD's HydroWin for open flow and analysis of culverts. For bridge hydraulic analysis, SKA will use HEC-RAS to establish bridge openings, low chord elevations, and scour analysis.

SKA will assist LADOTD by providing permit drawings and any other data that may be required.

30% Preliminary Plans:

Roadway - For a 30% roadway preliminary submittal, it will include the title sheet, typical sections, and roadway plan and profile sheets with existing topography shown. The typical section sheets will consist of the typical grading and finished sections. The sections will depict all major geometric features and dimensions such as, lane width, shoulder width, pavement cross slopes, clear zone, backslope, foreslope, pavement markings, existing and required ROW, roadway centerline, and PGL. The plan and profile sheets will include annotated vertical and horizontal geometry, existing groundline, proposed horizontal and vertical curve data, and longitudinal grades.

Bridge - For the simultaneous 30% bridge preliminary submittal, it will include a bridge index, general notes, summary of estimated quantities, general plans, and typical sections. Preliminary hydraulic analysis of the stream crossing will be performed to determine the bridge opening and low chord elevation which will be shown on the General Plan and will be used to establish the bridge layout and configuration. A bridge QA/QC document will be included with this submittal.

60% Preliminary Plans: Our 60% preliminary plan set will include all the sheets previously submitted during 30% preliminary plans but will include greater detail. Added to this submittal will be the existing drainage map, the proposed drainage map, drainage plan and profiles (if needed), geometric details, cross sections, preliminary design report, and the drainage report. This phase typically begins the utility relocation recommendation phase, establishment of preliminary right-of-way takings (if applicable). If needed from the 30% submittal review, we will update the geometry submitted to address comments.

Geotechnical – after the 30% review, SKA will have the bridge set completed and will begin bridge design analysis to determine pile spacing and size. SKA will also perform scour analysis in accordance with BDTM.21, *DOTD Policy for Predicting the Scour Elevation for Bridges*.

At this point we will direct our geotechnical sub, APS to begin deep borings to establish pile lengths along with subgrade borings. APS will provide driven pile design using pile loads provided by SKA APS will also

provide a Bridge Foundation Load Test Program (if needed), and Slope Stability Analysis. As part of APS's deliverable, they will provide a Geotechnical Investigation Plan prior to field work, a Geotechnical Data Report, and a Geotechnical Interpretation Report.

SKA will revise geometry as needed from the 30% submittal and model the roadway section using InRoads and the topo files provided by CDC. Once the pavement section is received from DOTD we will create templates and check for the required construction and hydraulic clearances. The drainage design and report will be completed during this phase. Our drainage design will comply with the DOTD Hydraulics Manual and will utilize DOTD's HYDRWIN software. The roadway drainage system will be designed in accordance with the DOTD Hydraulics Manual.

95% Preliminary Plans and Plan-In-Hand (PIH): The 95% preliminary submittal will include all of the sheets previously submitted but will include more specific information. This submittal will also include the summary of estimated quantities sheets (pay items only) and the suggested sequence of construction sheets. The comments from the 60% Preliminary Plans will be addressed, preliminary right-of-way taking lines will be completed. The Preliminary QA/QC checklist and Plan-In-Hand Checklist will be completed during this phase. For the PIH meeting, we will attend and summarize comments for distribution.

100% Preliminary Plans: This plan submittal will address any comments from the PIH meeting. SKA will provide environmental support and will provide permit sketches as needed to DOTD. Final required Right-of-Way will be established and submitted for review to DOTD location and survey. Any revisions to the Design Report, such as design criteria, will be included in a revised Design Report with an explanation of the changes made.

Bridge - Plans for bridge structures will have the general plans, typical sections, phasing details, foundation/pile layout, and pile loads/details complete.

Final Plans:

Once environmental clearance has been received and a notice to proceed for final plans has been issued, SKA will begin preparation of 60% plans.

60% Final Plans:

Roadway -SKA will begin to finalize the roadway plans with updated quantities, cost estimates, and final drainage design and calculations. A final drainage report will be submitted to DOTD's Hydraulic Section for review.

Bridge – Along with the completed bridge plans from preliminary plans, details in progress will be all other bridge component such as bent details, girder details (if needed), span details, joint details, bearing details, approach slab details, guardrail details. A bridge QA/QC document will be included with this submittal.

95% Final Plans:

Roadway - Preliminary cost estimates will be revised, a constructability review form will be completed and, if needed, an updated QA/QC document.

Bridge – All details that were in progress at the 60% submittal will be completed along with any other details needed such as MSE wall, etc. A bridge QA/QC document will be included with this submittal.

98% Final Plans:

SKA will address all ACP comments and provide an final cost estimate for both roadway and bridge. During this phase, the Plan Quality Unit (PQU) will review and comment. SKA will address any comments received from

PQU and produce the 100% Final Plan Set for the Chief Engineer’s Signature. We will also provide the Final Stamped and Signed copy of the Design Report. A bridge QA/QC document will be included with this submittal.

Final bridge calculations will be provided in document format along with final bridge ratings.

100% Final Plans: SKA will submit 100% signed Final Plans (full size set) along with an electronic copy.

Final bridge calculations will be provided in document format along with final bridge ratings.

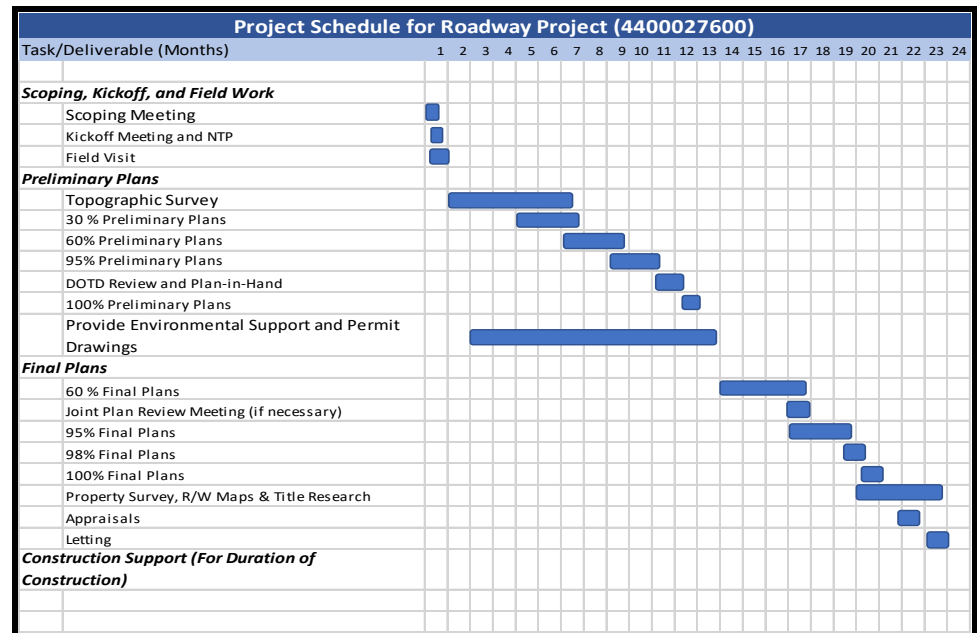
Evaluation Criteria

- ✓ **Firm Experience on Similar Projects:** Over the past 30 years, SKA has worked on numerous roadway and bridge projects with many being on new alignments such as LA 3241: LA 36 to LA 435 in St. Tammany Parish, Pecue Lane in Baton Rouge, and the Central Thruway in Baton Rouge.
- ✓ **Staff Experience on Similar Projects:** Gary McClure (39 years experience), John Raymond (30 years experience), and Niccola Gill (20 years experience) have been with SKA providing roadway and bridge design services for LADOTD.
- ✓ **Firm Size as Related to the Project Magnitude:** SKA is a perfect fit for this project. Having completed projects of similar size and larger as stated previously we have the personnel available for this project immediately.
- ✓ **Past Performance on Similar DOTD Projects:** SKA has been providing engineering design services for DOTD and other agencies such as the City of Baton Rouge for over 35 years. Our most recent design ratings for three (3) different projects were 5.0, 4.6, and 4.7 out of a possible 5.0.
- ✓ **Current Work Load:** Our staff members are available to begin work on this project immediately.

SHREAD-KUYRKENDALL Past Performance Ratings

SKA has shown our success and capabilities with DOTD projects that are reflected in our past performance ratings.

- 5.0 I-10: French Branch Br. – W. Pearl River Bridge Pavement Replacement**
- 4.6 I-10: LA 73 to LA 30 Roadway and Bridge Widening**
- 4.7 LA 3241: I-12 to Bush (New Roadway and Bridges)**



19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Shread-Kuyrkendall & Associates, Inc.	Survey, Road, Bridge	S.P. No. H.009266	I-10 (LA 73 to LA 30) Route I-10, Ascension Parish	\$ 150,276
Shread-Kuyrkendall & Associates, Inc.	Survey, Road, Bridge	S.P. No. H.004435	I-12 to Bush, LA 3241 (LA 36 – LA 435), St. Tammany Parish	\$ 79,392
Shread-Kuyrkendall & Associates, Inc.	Road, Bridge	S.P. No. H.010155	US 90 Railroad Overpass	\$ 338,836
Shread-Kuyrkendall & Associates, Inc.	Bridge	H.011152	I-12 Widening (sub to T. Baker Smith)	\$ 5,457
Shread-Kuyrkendall & Associates, Inc.	Road	H.013284	MRB South GBR: LA 1 to LA 30 Connector (sub to Atlas)	N/A
Shread-Kuyrkendall & Associates, Inc.	Road, Bridge	H.000710.6	Comite River Diversion Bridge at LA 964	\$ 67,130
Shread-Kuyrkendall & Associates, Inc.	Road	H.015058.5	LA 14 – Business & LA 331:Erath	\$ 72,436
Shread-Kuyrkendall & Associates, Inc.	Road	H.015056.5	LA 685 Overlay	\$ 120,179
Shread-Kuyrkendall & Associates, Inc.	Road	H.015619.5	LA 106	\$ 250,619
Civil Design & Construction, Inc.	Surveying	H.011833.5	St. Mary Street Sidewalks	\$ 3,236
Civil Design & Construction, Inc.	Surveying	H.011235.5	I-49 South @ Verot School Rd	\$ 194,801
Civil Design & Construction, Inc.	Surveying	H.011235.5	I-20: UPRR Overpass	\$ 243,302

Civil Design & Construction, Inc.	Surveying	H.015619.5	LA 106: US 167 to Avoyelles P/L	\$ 66,076
A P S Engineering and Testing, LLC	Geotech	State Project No. H.013127	Retainer Contract for Geotechnical Services	\$ 216,934

(Add rows as needed)

DO NOT SUM

* The **only** past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). 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. **NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE.** LEAVING THE “REMAINING UNPAID BALANCE” COLUMN BLANK IS NOT ACCEPTABLE.

✓ **Certifications/Licenses:**

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



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

John Bel Edwards, Governor
Eric Kalivoda, Secretary

April 14, 2023

Civil Design & Construction, Inc.

Attn: Karla Weston
PO Box 857
Port Allen, LA 70767

Dear Karla Weston,

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

NC541330-Engineering Services

C05-Structural Engineering

C09-Civil Engineering

NC541340-Drafting Services

C03-Drafting

NC541350-Building Inspection Services

C21-Construction Inspections

NC541370-Surveying and Mapping (except Geophysical) Services

C06-Land Surveying

C12-Right-of-Way

727-Mobilization

740-Construction Layout

CSL-Construction Layout Design

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

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **March 31, 2024**. However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Civil Design & Construction, Inc.

April 14, 2023

Page 2

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

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

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

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

Respectfully,

Rhonda Wallace

Rhonda Wallace
DBE/SBE Programs Manager

Enclosure (Certificate)



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Civil Design & Construction, Inc.

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

NC541330, NC541340, NC541350, NC541370

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

Certificate Eligibility: March 2023 to March 2024

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

APS Engineering & Testing, LLC

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

NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690

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

Certificate Eligibility: October 2022 to October 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

✓ **QA/QC Plan:**

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

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

**Contract No. 4400027600
Entity Contract for Cong Relief Winfield Road**

Shread Kuyrkendall & Associates, Inc.

August 17, 2023

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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 follow.

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 these projects 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 Design of Projects

Exercising an effective QC/QA Plan for bridge projects ensures that all parties are in agreement 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 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 each 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 each 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 each 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: 4400027600

Task 1

Upon receipt of an NTP and after the “kickoff meeting”, the PM, EOR, and other necessary personnel shall meet with the LADOTD 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 DOTD 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 DOTD roadway classification within the project limits. Advise DOTD 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 site and assess the site conditions. Evaluate and identify possible constructability issues and conditions that may impact the design. 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 bridge structure set.

Task 5

Submit comprehensive 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 project are adequate.*

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.

✓ **Sub-consultant information:**

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Civil Design & Construction, Inc.	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE Kweston@cdcbr.com	225-765-1803
A P S Engineering and Testing, LLC	1645 Nicholson Drive, Baton Rouge, LA 70802	Sergio Aviles, P.E. Sergio@aps-testing.com	225-456-5714

(Add rows as needed)

✓ **Location:**

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