

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

SHREAD-KUYRKENDALL & ASSOC., INC.  
13016 JUSTICE AVE.  
BATON ROUGE, LA 70816  
(225) 296-1335

***MILLS AVE & REES ST INTERSECTION IMP***

Contract No. 4400028585  
State Project No. H.014516.5

**FEBRUARY 14, 2024**

# **DOTD FORM: 24-102**

(Revised January 1, 2023)

## **PROPOSAL TO PROVIDE CONSULTANT SERVICES**

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

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

<b>1.</b> Contract Name as shown in the advertisement	<b>MILLS AVE &amp; REES ST INTERSECTION IMP</b>
<b>2.</b> Contract Number(s) as shown in the advertisement	4400028585
<b>3.</b> State Project Number(s), if shown in the advertisement	H.014516.5
<b>4.</b> Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>
<b>5.</b> Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF. 0000767 VF. 0000130
<b>6.</b> Prime consultant mailing address	13016 Justice Ave., Baton Rouge, LA 70816
<b>7.</b> Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	13016 Justice Ave., Baton Rouge, LA 70816
<b>8.</b> 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
<b>9.</b> Name, title, phone number, and email address of the official with signing authority for this proposal	Richard R. Shread, President (225) 296-1335 Shread@skaengr.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Richard R Shread

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

2/14/23

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.

Firm(s):  
N/A

Firm(s)' %:

## 12. Past Performance Evaluation Discipline Table

Past Performance Evaluation Discipline(s)	% of Overall Contract *	Prime	Traffic Sub	Survey Sub	Geotech Sub	Each Discipline must total to 100%
		Shread-Kuyrkendall & Associates, Inc.	Vectura Consulting Services, LLC (DBE)	Civil Design & Construction, Inc. (DBE)	APS Engineering and Testing, LLC (DBE)	
Road	70%	100%				100%
Traffic	20%		100%			100%
Survey	5%			100%		100%
Geotech	5%				100%	100%
Percent of Contract	100%	70%	20%	5%	5%	

\*Percentage of Overall Contract is based on the assumption the Overall Contract includes the Initial Services for the Traffic Study in addition to the Supplemental Additional Service for the Design of the Intersection.



### 13. Firm Size

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	Principal	1	1
	Supervisor-Eng	1	1
	Engineer	1	6
	Engineer Intern	1	1
	CADD Technician*	2	3
	CADD-Operator	0	1
<b>Vectura Consulting Services, LLC</b>	Supervisor - Eng	2	2
	Engineer	3	3
	Engineer Intern	1	2
	Inspector	0	2
	Supervisor – Other	0	1
<b>Civil Design &amp; Construction, Inc.</b>	Principal	1	1
	Surveyor	2	3
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	1	3
	CADD Operator	1	1
	Senior Technician	2	5
	Supervisor - Other	1	1
<b>APS Engineering and Testing, LLC</b>	Engineer	3	3
	Driller	5	5
	Engineer Intern	1	1
	Technician	12	12
	Clerical	2	2

\*SKA's CADD Technicians are very proficient using MicroStation and CADD Conform to meet the requirements for DOTD plan development. As noted in the staff resumes, our CADD staff has worked on many DOTD projects. Using CADD Technicians on DOTD projects aid in design effort manhours for engineers.

# 14. Organizational Chart

**LEGEND**

- \* Has completed traffic control technician requirements.
- \* Has completed traffic control supervisor requirements.
- \* Traffic LTRC Modules 1-3

**PRIME**  
**Shread-Kuyrkendall & Associates, Inc.**

**PRINCIPAL**  
 Richard R. Shread, PE, PLS (MPR 1,2)

**SUPERVISING ENGINEER - QA/QC**  
 \*\*Ripley "Gary" W. McClure, PE (MPR 3)

**ROADWAY DESIGN**  
**Lead**  
 \*\*John P. Raymond, PE (MPR 3)  
 \*\*Ripley "Gary" W. McClure, PE (MPR 3)  
 Garrett Gilbert, EI

**SURVEY (SUB)**  
**Civil Design & Construction, Inc.**

Karla E. Weston, PE.  
 Principal-in-Charge  
 QA/QC

<b>SURVEY</b> <b>Lead</b>	<b>FIELD PERSONNEL</b> <b>Lead</b>
**Ralph D. Burgess, PLS. (MPR 4)	**Philip S. Dupree
**Christopher L. Ballard, PLS. (MPR 4) Madison Mills, PLS. Bradley Jacobs, EI.	**Jacob Stoehr **Alex Wells **Drennon Humphreys
<b>REMOTE SENSING</b> <b>Lead</b> Trent Norris	
**Scott Benton	

**TRAFFIC (SUB)**  
**Vectura Consulting Services, LLC**

**Lead**

- \*\*\*Sheelagh Brin Ferlito, PE, PTOE
- \*\*\*Laurence Lucius Lambert, II, PE, PTOE, PTP
- \*\*\*Reece Rodrigue, PE, PTOE, RSP1
- \*\*\*Kristen Gahagan Farrington, PE, PTOE, RSP1
- \*\*\*Bridget Scheyd Robicheaux, PE PTOE
- Gustavo Clavijo

**CADD**  
**Lead**  
 James Partin  
 Dianna Sherman

**GEOTECH (SUB)**  
**APS Engineering and Testing, LLC**


**Lead**  
 \*\*Sergio Aviles, PE.  
 \*\*Sairam Eddanapudi, ME., PE.  
 \*\*Suhendra Pathak, PE.

## 15. Minimum Personnel Requirements

<b>MPR No.</b> Do not insert wording from ad	<b>Personnel being used to meet the MPR</b> (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	<b>Firm employed by</b>	<b>Type of license and discipline meeting MPR/ certification &amp; number</b> (Ex: PE # - Civil)	<b>State of license</b>	<b>License / certification expiration date</b>
1	Richard R. Shread	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	PE. 0018983 - Civil	LA	9/30/24
2	Richard R. Shread	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	PE. 0018983 - Civil	LA	9/30/24
3	Ripley W. "Gary" McClure	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	PE. 0024035 – Civil and Environmental	LA	9/30/24
3	John P. Raymond	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	PE. 0027988 - Civil	LA	9/30/24
4	Ralph D. Burgess	<b>Civil Design &amp; Construction, Inc.</b>	PLS. 0005040 - Survey	LA	9/30/24
4	Christopher L. Ballard	<b>Civil Design &amp; Construction, Inc.</b>	PLS. 0005033 - Survey	LA	9/30/24

## 16. Staff Experience


Firm employed by **Shread-Kuyrkendall & Associates, Inc.**

Name	<b>Richard R. Shread, P.E., P.L.S.</b>	Years of relevant experience with this employer	35
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		PE. 0018983 / LA / September 30, 2024 PLS. 0004695 / LA / September 30, 2024	
Year registered	1980/1993	Discipline	Civil Engineering / Land Surveyor
Contract role(s) / brief description of responsibilities		<b>Meets the role for MPR 1 &amp; 2 (Principal)</b> <i>Mr. Shread's role will be Principal-in-Charge.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
	<i>Mr. Shread, principal managing officer, has been responsible for overall financial, personnel and policy management for well over 49 years. In addition, he shares responsibility for business development and continues to serve as Principal-in-Charge for contract administration on multiple roadway and intersection improvement projects throughout the state and is very knowledgeable of DOTD standards and requirements.</i>		
<b>05/21 – Present</b>	<b>MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector:</b> Ascension Parish – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project, LA 73 Roundabout at Bluff Rd. Connector (MA-22-01), will convert an existing section of LA 73 from three lanes to four lanes with a raised median and curb and gutter providing access management. Two bulb-outs will be added for U-turns and control of access at the end of the project limits and a <b>multi-lane roundabout</b> is being designed at the intersection with the future Bluff Road Connector (MA-20-01) and an existing commercial drive. Access Management is being implemented due to the proximity of the roundabout to I-10 at LA 73.		
<b>03/21-Present</b>	<b>20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements):</b> East Baton Rouge Parish – Mr. Shread serves as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling for the Perkins Road Improvements project which consists of widening Perkins Rd. from Kenilworth Pkwy to approximately 700 feet east of Erica Stanford. The purpose of the project is to <b>improve safety at the intersection</b> of Perkins Road and Kenilworth Pkwy and the intersection of Perkins Rd and One Perkins Place. Access Management will be implemented as part of this project.		
<b>06/18-Present</b>	<b>H.001799 / LA 531 Overpass:</b> Webster Parish – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. The project consists of <b>roundabouts at the interstate ramp</b> termini and the corresponding roadway tie-ins for the LA 531 bridge replacement. This 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.		

05/18-10/20	<b>MA-18-08/ Henry Road @ LA 930 Roundabout:</b> <i>Ascension Parish</i> – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project included a <b>roundabout</b> at the intersection of Henry Road and LA 930 (Daigle Road) to replace the <b>existing stop-controlled intersection with a proposed single lane roundabout</b> . LA 930 is a two-lane roadway running north-south at its intersection with Henry Road. <b>This project required coordination with DOTD for the route LA 930.</b>
6/17-On Hold	<b>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):</b> <i>East Baton Rouge Parish</i> – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project includes the implementation of a <b>multi-lane roundabout</b> 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. <b>Due to environmental concerns, this project has been put on hold.</b>
05/17-05/19	<b>H.012306 / Stage 0 Study / LA 42: Highland Road at Pecue Lane:</b> <i>East Baton Rouge Parish</i> – As principal, Mr. Shread was responsible for 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 needs and requirements. The preliminary purpose of the study was to assess and identify alternatives that <b>would address safety concerns at the intersection of LA 42</b> (Highland Road) and Pecue Lane.
10/10-Present	<b>H.013579, H.003047, &amp; H.012290 / Pecue Lane / I-10 Interchange:</b> <i>East Baton Rouge Parish</i> – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project includes a 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 <b>accelerated schedule as a result</b> . 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. To accommodate the ramps, widening of I-10 was necessary. A <b>Final Level 4 TMP</b> was required for this project.
04/14-Present	<b>H.004435 / LA 3241 (LA 36 to LA 435):</b> <i>St. Tammany Parish</i> – <b>Currently in the construction phase.</b> Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project includes three (3) segments of nearly 20 miles of new roadway to connect Interstate 12 to the southern terminus of LA 21 in Bush, LA. SKA's contracted segment consists of approximately eight miles of a new alignment in St. Tammany Parish. This new roadway is a four-lane freeway with Two new bridges (4 structures total) to span Bayou Lacombe at two different locations, each approximately 500' long. <b>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.</b>
10/07- 01/10	<b>258-32-0022 / Essen Lane (LA 3064 at Interstate 10):</b> <i>East Baton Rouge Parish</i> – Mr. Shread served as <i>Principal-in-Charge</i> overseeing contract administration and overall project scheduling. This project includes the design for <b>urban intersection improvements</b> (UA-2) for DOTD and the Baton Rouge Green Light Plan. The design includes geometry to implement dual left-turn lanes on Essen Lane and additional I-10 ramp lanes.
02/04- 11/09	<b>H.007154, H.007152, H.002303 / Central Thruway:</b> <i>East Baton Rouge Parish</i> – Mr. Shread has served as <i>Principal-in-Charge and Project Manager</i> overseeing contract administration, overall project scheduling, and QA/QC. This project consisted of the design and construction of a <b>2-lane roadway for 5.2 miles on a new alignment</b> including seven bridges. Also included in the scope of this project was a corridor study, an environmental assessment, topographic surveys, right-of-way maps and property surveys.

## 16. Staff Experience

Firm employed by **Shread-Kuyrkendall & Associates, Inc.**


Name	<b>Ripley “Gary” W. McClure, P.E.</b>	Years of relevant experience with this employer	33
Title	ENGINEERING SUPERVISOR	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		B.S. / 1982 / Civil Engineering	
Active registration number / state / expiration date		PE. 0024035 / LA / September 30, 2024	
Year registered	1988 /1994	Discipline	Civil Engineering / Environmental Engineering
Contract role(s) / brief description of responsibilities		<b>Meets the roles for MPR 3 (Road Design)</b> <i>Mr. McClure’s role will be responsible for Engineering Supervisor and QA/QC for the Road Design.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
	<i>Mr. McClure has over 41 years of experience in the design of roadways and bridges. He has designed and supervised multiple roadways and intersection improvements throughout the state and is very knowledgeable of DOTD standards and requirements. Early in his career, he designed sections of I-49 through Alexandria and Shreveport. Mr. McClure has provided design services to DOTD for pavement preservation on one of the most difficult projects for restoration for the Interchange and Interstate for I-10, I-12, &amp; I-59.</i>		
<b>05/21-Present</b>	<b>MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector:</b> Ascension Parish –Mr. McClure served as <i>Engineering Supervisor</i> and oversaw the QA/QC. This project, LA 73 Roundabout at Bluff Rd. Connector (MA-22-01), will convert an existing section of LA 73 from three lanes to four lanes with a raised median and curb and gutter providing access management. Two bulb-outs will be added for U-turns and control of access at the end of the project limits and a <b>multi-lane roundabout</b> is being designed at the intersection with the future Bluff Road Connector (MA-20-01) and an existing commercial drive. Access Management is being implemented due to the proximity of the roundabout to I-10 at LA 73.		
<b>03/21-Present</b>	<b>20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements):</b> East Baton Rouge Parish – Mr. McClure serves as <i>Engineering Supervisor</i> and oversee QA/QC for the Perkins Road Improvements project which consists of widening Perkins Rd. from Kenilworth Pkwy to approximately 700 feet east of Erica Stanford. The purpose of the project is to <b>improve safety at the intersection</b> of Perkins Road and Kenilworth Pkwy and the intersection of Perkins Rd and One Perkins Place. Access Management will be implemented as part of this project.		
<b>06/17-On Hold</b>	<b>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):</b> East Baton Rouge Parish – Mr. McClure serves as <i>Engineering Supervisor</i> and oversaw the QA/QC. This project includes the implementation of a <b>multi-lane roundabout</b> 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. <b>Due to environmental concerns, this project has been put on hold.</b>		



05/17-05/19	<p><b>H.012306 / Stage 0 Study / LA 42: Highland Road at Pecue Lane:</b> <i>East Baton Rouge Parish – As Project Manager</i>, Mr. McClure was responsible for overseeing the development of the design alternatives that meet the requirement and needs of the project. He met with local and state agencies to determine needs and requirements. After developing a purpose and need, Mr. McClure developed alternatives that were acceptable to the community. Mr. McClure was responsible for the review and QA/QC of the Report. The preliminary purpose of the study was to assess and identify alternatives that <b>would address safety concerns at the intersection of LA 42</b> (Highland Road) and Pecue Lane.</p>
04/14-Present	<p><b>H.004435 / LA 3241 (LA 36 to LA 435):</b> <i>St. Tammany Parish – Currently in the construction phase.</i> Mr. McClure served as <i>Engineering Supervisor</i> and oversaw the QA/QC. This project includes three (3) segments of nearly 20 miles of new roadway to connect Interstate 12 to the southern terminus of LA 21 in Bush, LA. SKA's contracted segment consists of approximately eight miles of a new alignment in St. Tammany Parish. This new roadway is a four-lane freeway with two new bridges (4 structures total) to span Bayou Lacombe at two different locations, each approximately 500' long. <b>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.</b></p>
10/12-Present	<p><b>H.009266 / I-10 (LA 73 to LA 30):</b> <i>Ascension Parish –</i> Mr. McClure serves as <i>Engineering Supervisor and Lead Bridge Designer.</i> This project involves the widening of approximately 4.5 miles of Interstate 10 from LA 73 to LA 30, including widening three (3) existing bridge structures within the project limits. Project scope includes widening the interstate from two lanes in each direction to three lanes in each direction. Phased construction of bridges at the LA 73 interchange with I-10 requires diversion crossovers and ramp modifications. Mr. McClure performed existing bridge inspection, evaluation, and reports for bridges at LA 30 and Smith Bayou as well as oversaw QA/QC.</p>
10/10 – Present	<p><b>H.013579, H.003047, &amp; H.012290 / Pecue Lane / I-10 Interchange:</b> <i>East Baton Rouge Parish –</i> Mr. McClure served as <i>Engineer Supervisor and Bridge Design Supervisor.</i> Mr. McClure provided engineering design support and he developed all of the multiple alternatives during the environmental Stage 1 phase of the project. This project includes a 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 <b>accelerated schedule as a result.</b> 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. To accommodate the ramps, widening of I-10 was necessary. A <b>Final Level 4 TMP</b> was required for this project.</p>
10/07- 01/10	<p><b>258-32-0022 / Essen Lane (LA 3064 at Interstate 10):</b> <i>East Baton Rouge Parish –</i> Mr. McClure served as <i>Engineering Supervisor and oversaw QA/QC.</i> This project includes the design for <b>urban intersection improvements</b> (UA-2) for DOTD and the Baton Rouge Green Light Plan. The design includes geometry to implement dual left-turn lanes on Essen Lane and additional I-10 ramp lanes. Mr. McClure oversaw the design of the urban drainage, horizontal and vertical alignments, geometrics, joint layouts, graphical grades, sequence of construction, earthwork and quantities.</p>
10/06- 08/07	<p><b>258-31-0015 &amp; 258-33-0006 / Burbank Drive / LA 42 (Bluebonnet to Highland):</b> <i>East Baton Rouge Parish –</i> Mr. McClure served as <i>Engineering Supervisor</i> which includes the addition of two new lanes of rural highway and urban connecting intersections for DOTD and the Baton Rouge Green Light Plan. Mr. McClure oversaw the design of the urban and rural drainage, horizontal and vertical alignments, superelevation, geometrics, joint layouts, graphical grades, sequence of construction, earthwork and quantities.</p>
02/04- 11/09	<p><b>H.007154, H.007152, H.002303 / Central Thruway:</b> <i>East Baton Rouge Parish –</i> Mr. McClure served as <i>Project Manager and Lead Bridge Design Engineer.</i> This project involved the design and construction of a <b>4-lane divided thruway for 5.2 miles on a new alignment</b> including seven bridges. Also included in the scope of this project was a corridor study, an environmental assessment, topographic surveys, right-of-way maps and property surveys. Mr. McClure provided engineering design support and he developed all of the multiple alternatives during the environmental Stage 1 phase of the project</p>

## 16. Staff Experience

Firm employed by **Shread-Kuyrkendall & Associates, Inc.**

Name	<b>John P. Raymond, P.E.</b>	Years of relevant experience with this employer	31
Title	SENIOR ENGINEER	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 1992 / Civil Engineering	
Active registration number / state / expiration date		PE. 0027988 / LA / September 30, 2024	
Year registered	1998	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		<b>Meets the roles for MPR 3 (Road Design)</b> <i>Mr. Raymond's role will be Lead Roadway Designer.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
	<i>Mr. Raymond has been a Project Manager/Road Design Engineer on multiple classes of roadways throughout his 30-year career with Shread-Kuyrkendall &amp; Associates. He has designed and managed multiple roadway projects including widening projects, new alignments, and intersection improvements throughout the state and is very knowledgeable of DOTD standards and requirements.</i>		
<b>03/21-Present</b>	<b>20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements):</b> East Baton Rouge Parish – Mr. Raymond serves as <i>Lead Road Designer</i> for the Perkins Road Improvements project, which consists of widening Perkins Rd. from Kenilworth Pkwy to approximately 700 feet east of Erica Stanford. The purpose of the project is to <b>improve safety at the intersection</b> of Perkins Road and Kenilworth Pkwy and the intersection of Perkins Rd and One Perkins Place. Access Management will be implemented as part of this project. Mr. Raymond's responsibilities include geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities.		
<b>05/21-Present</b>	<b>MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector</b> Ascension Parish – Mr. Raymond is <i>Project and Lead Road Design Engineer</i> . Mr. Raymond was responsible for the design of the <b>multi-lane roundabout</b> which includes a southbound channelized right turn lane on LA 73, an eastbound channelized right turn lane on the LA 73 at Bluff Rd. Connector, and is a multilane roundabout only in the northbound and southbound directions. This project, LA 73 Roundabout at Bluff Rd. Connector (MA-22-01), will convert an existing section of LA 73 from three lanes to four lanes with a raised median and curb and gutter providing access management. Two bulb-outs will be added for U-turns and control of access at the end of the project limits and a <b>multi-lane roundabout</b> is being designed at the intersection with the future Bluff Road Connector (MA-20-01) and an existing commercial drive. Access Management is being implemented due to the proximity of the roundabout to I-10 at LA 73. Mr. Raymond's responsibilities include project management, geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities.		
<b>01/20-05/22</b>	<b>MA-18-08/ Henry Road @ LA 930 Roundabout:</b> Ascension Parish – Mr. Raymond was <i>Project and Lead Roadway Design Engineer</i> . He provided design for a <b>single lane roundabout</b> . This project included a roundabout at the intersection of Henry Road and LA 930 (Daigle Road) to replace the <b>existing stop-controlled intersection with a proposed single lane roundabout</b> . LA 930 is a two-lane roadway running north-south at its intersection with Henry Road. Mr. Raymond's responsibilities include project management, geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities. <b>This project required coordination with DOTD for the route LA 930.</b>		



06/18-Present	<p><b>H.001799 / LA 531 Overpass:</b> <i>Webster Parish</i> – Mr. Raymond is <i>Project and Lead Roadway Design Engineer</i>. The project consists of <b>roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement</b>. This project is approximately 0.38 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's responsibilities include project management, geometric and hydraulic design, sequence of construction, design of superelevation, earthwork, and tabulation of quantities.</p>
06/17-On Hold	<p><b>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):</b> <i>East Baton Rouge Parish</i> – Mr. Raymond was <i>Project and Lead Road Engineer</i>. This project includes the implementation of a <b>multi-lane roundabout</b> with right turn slip lanes at the intersection at Hooper Rd (LA 408) at Sullivan Rd (LA 3034) in Central. The roundabout is being designed in conjunction with planned improvements to both Hooper and Sullivan Roads to improve safety and operation of the intersection. Mr. Raymond's responsibilities include project management, conceptual layouts, typical sections and preliminary plan/profile plan sheets. <b>Due to environmental concerns, this project has been put on hold.</b></p>
04/14-Present	<p><b>H.004435 / LA 3241 (LA 36 to LA 435):</b> <i>St. Tammany Parish</i> – <b>Currently in the construction phase.</b> Mr. Raymond is <i>Project and Lead Road Design Engineer</i>. This project includes three (3) segments of nearly 20 miles of new roadway to connect Interstate 12 to the southern terminus of LA 21 in Bush, LA. SKA's contracted segment consists of approximately eight miles of a new alignment in St. Tammany Parish. This new roadway is a four-lane freeway with two new bridges (4 structures total) to span Bayou Lacombe at two different locations, each approximately 500' long. <b>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.</b> Mr. Raymond's responsibilities include project management, geometric and hydraulic design, sequence of construction, design of superelevation, earthwork, and tabulation of quantities.</p>
10/12-Present	<p><b>H.009266 / I-10 (LA 73 to LA 30):</b> <i>Ascension Parish</i> – Mr. Raymond is <i>Project Manager and Lead Road Design Engineer</i>. This project involves the widening of approximately 4.5 miles of Interstate 10 from LA 73 to LA 30, including widening three (3) existing bridge structures within the project limits. Project scope includes widening the interstate from two lanes in each direction to three lanes in each direction. Mr. Raymond's responsibilities include project management, geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities.</p>
10/10-Present	<p><b>H.013579, H.003047, &amp; H.012290 / Pecue Lane / I-10 Interchange:</b> <i>East Baton Rouge Parish</i> – Mr. Raymond is <i>Project Manager and Lead Roadway Design Engineer</i> for a 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, DOTD, and Federal involvement and funding. Mr. Raymond designed the proposed roadway and drainage for Pecue Lane. This project includes 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 <b>accelerated schedule as a result</b>. 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. To accommodate the ramps, widening of I-10 was necessary. A <b>Final Level 4 TMP</b> was required for this project.</p>
02/09- 11/10	<p><b>H.002303 / LA 37 @ Central Thruway:</b> <i>East Baton Rouge Parish</i> – Mr. Raymond served as <i>Road Design Engineer</i>. Mr. Raymond <b>designed urban intersection and roadway improvements</b> (UA-2) for DOTD 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.</p>
10/07- 01/10	<p><b>258-32-0022 / Essen Lane (LA 3064 at Interstate 10):</b> <i>East Baton Rouge Parish</i> – Mr. Raymond served as <i>Road Design Engineer</i>. Mr. Raymond <b>designed and managed urban intersection improvements</b> (UA-2) for DOTD 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.</p>
10/06- 08/07	<p><b>258-31-0015 &amp; 258-33-0006 / Burbank Drive / LA 42 (Bluebonnet to Highland):</b> <i>East Baton Rouge Parish</i> – Mr. Raymond served as <i>Project Manager and Lead Road Design Engineer</i>. Mr. Raymond designed and managed the 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.</p>

## 16. Staff Experience

Firm employed by **Shread-Kuyrkendall & Associates, Inc.**

Name	<b>Garrett Gilbert E.I.</b>	Years of relevant experience with this employer	5
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		EI. 0034007 / LA / September 30, 2025	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		<i>Mr. Gilbert's role will be Roadway Design.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>09/23-Present</b>	<b>H.015056 / LA 685: LA 14-Y to Bayou Tigre: Vermilion Parish</b> – This is an DOTD IDIQ Pavement Preservation Project that requires drainage improvements, milling and overlay, and some reconstruction of existing roadway. Mr. Gilbert has performed all tasks related to design under the supervision of a P.E. Mr. Gilbert has also performed a drainage study to address localized street flooding reported by Erath council members. This project is part of a larger set of LADOTD IDIQ Pavement Preservation projects.		
<b>12/22-Present</b>	<b>H.009266/ I-10: LA 73 to LA 30: East Baton Rouge Parish</b> – The I-10: LA 73 to LA 30 project is the addition of a third lane to the I-10 corridor between LA 73 and LA 30, including the widening of the bridges crossing I-10 within project boundaries. Mr. Gilbert has performed quantity calculation and cost estimation for the project. Mr. Gilbert also performed the drainage analysis and joint layout for a portion of the project.		
<b>03/21 - Present</b>	<b>H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish</b> – For the future I-49, this project consists of preliminary and final plans for roadway and two (2) parallel bridge structures over an 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 existing frontage road (South) will be improved to carry US 90 traffic on a diversion road during bridge construction. Mr. Gilbert performed the quantity and cost estimation for the roadway elements of the project with addition of the earthwork.		
<b>05/21-Present</b>	<b>MA-20-01/ LA 73 Roundabout at Bluff Rd. Connector: Ascension Parish</b> – The Bluff connector project is a new construction project for a connector road between LA 73 and Bluff Road. Mr. Gilbert managed vertical alignment and drainage design for the project. Mr. Gilbert also managed 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. <b>Mr. Gilbert is not currently performing work on this project.</b>		
<b>04/21-Present</b>	<b>H.014051/ Lakewood Dr. Reconstruction: St. Charles Parish</b> – <b>Currently in construction</b> , the Lakewood Dr. Reconstruction Project 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 DOTD HYDRWIN programs to inform sufficiency of the existing drainage system on Lakewood Dr. Mr. Gilbert has been performing CE&I duties for DOTD as SKA are the LPA engineers for the project.		

07/20-02/23	<p><b>H.012588/H.012169/H.012587 I:10 Overlays Atchafalaya Basin Bridge To W End Of La 415: Iberville/West Baton Rouge Parishes</b>– 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. The majority 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.</p>
04/20-04/22	<p><b>H.001799/ LA 531 Overpass: Webster Parish</b> – The project consists of <b>roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement</b>. This 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. 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.</p>
01/20-05/22	<p><b>MA-18-08/ Henry Road @ LA 930 Roundabout: Ascension Parish</b> – This project included a roundabout at the intersection of Henry Road and LA 930 (Daigle Road) to replace the <b>existing stop-controlled intersection with a proposed single lane roundabout</b>. LA 930 is a two-lane roadway running north-south at its intersection with Henry Road. <b>This project required coordination with DOTD for the route LA 930</b>. Mr. Gilbert performed the quantity and cost estimation for the Henry Road Roundabout Project. Mr. Gilbert also performed the drainage design and signing for the project.</p>
12/19-On Hold	<p><b>MA-17-02/ Roddy Road Widening: US 61 TO LA 935: Ascension Parish</b> – This project was a reconstruction of the existing roadway that widened the existing section to current design standards. 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. <b>Mr. Gilbert is not currently performing work on this project.</b></p>
09/19-03/22	<p><b>H.004435/ LA 3241: LA 36 TO LA 435: St. Tammany Parish</b> – 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.</p>
06/19-Present	<p><b>H.003047/ Pecue Lane/ I-10 Interchange (PHASE 3): East Baton Rouge Parish</b> – This project includes a 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 <b>accelerated schedule as a result</b>. 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. To accommodate the ramps, widening of I-10 was necessary. 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 Lane and I-10. <b>Mr. Gilbert is not currently performing work on this project.</b></p>
05/17-08/17 05/18- 08/18 01/19-06/19	<p><b>Mississippi Department Of Transportation: Brookhaven Construction Office / Carthage Construction Office / Whitfield Construction Office:</b> 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 insure MDOT projects are constructed to state standards and manages 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.</p>

## 16. Staff Experience

Firm employed by **Shread-Kuyrkendall & Associates, Inc.**

Name	<b>James Partin</b>	Years of relevant experience with this employer	24
Title	CADD TECHNICIAN	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		Bachelor of Science / 1989 / Engineering Graphics	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>Mr. Partin will be lead CADD Technician. Mr. Partin's role includes using MicroStation to create project plan sets that are used for presentations, project bids and construction.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>03/21-Present</b>	<b>20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements):</b> East Baton Rouge Parish –The Perkins Road Improvements project consists of widening Perkins Rd. from Kenilworth Pkwy to approximately 700 feet east of Erica Stanford. The purpose of the project is to <b>improve safety at the intersection</b> of Perkins Road and Kenilworth Pkwy and the intersection of Perkins Rd and One Perkins Place. Access Management will be implemented as part of this project. Mr. Partin is providing the CADD work for construction plans, which include typical sections, details, quantity calculations, alignment plan and profile sheets, drainage maps, geometric details, and cross sections.		
<b>05/17-03/19</b>	<b>H.012306 / Stage 0 Study / LA 42: Highland Road at Pecue Lane:</b> East Baton Rouge Parish - This project included the creation of MicroStation plans showing <b>multiple alternatives for a new T-Intersection or Roundabout</b> construction at a roadway intersection. Mr. Partin provided the CADD work for Stage 0 plans, which included layout plans, and typical sections and details.		
<b>06/18-Present</b>	<b>H.001799 / LA 531 Overpass: Webster Parish</b> – This project involved plans for <b>roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement</b> . The project is approximately 0.38 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. Partin assisted in the CADD work for contracted bid and construction plans, which included right-of-way maps, typical sections and details, quantity calculations, alignment plan and profile sheets, drainage maps, geometric details, and cross sections. <b>This project has been completed and is ready for construction</b>		
<b>06/17-On Hold</b>	<b>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):</b> East Baton Rouge Parish – Shread-Kuyrkendall & Associates designed project plans for the implementation of a <b>multi-lane roundabout with right turn slip lanes at the intersection</b> at Hooper Rd (LA 408) at Sullivan Rd (LA 3034) in Central. The roundabout is being designed in conjunction with planned improvements to both Hooper and Sullivan Roads to improve safety and operation of the intersection. Mr. Partin provided the CADD work for presentation plans, which included layout plans, and typical sections and details. Plan and profile sheets, and drainage maps were also submitted. <b>Due to environmental concerns, this project has been put on hold.</b>		
<b>10/12-Present</b>	<b>H.009266 / I-10 (LA 73 to LA 30):</b> Ascension Parish – This project includes widening 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, existing bridge widening at three locations within the project limits. Phased construction of bridges at the LA 73 interchange with I-10 requires diversion crossovers and ramp modifications. Mr. Partin is assisting in the CADD work for construction plans, which include typical sections, details, quantity calculations, alignment plan and profile sheets, drainage maps, geometric details, bridge plans and details, and cross sections.		



## 16. Staff Experience

Firm employed by **Shread-Kuyrkendall & Associates, Inc.**

Name	<b>Dianna Sherman</b>		Years of relevant experience with this employer	8
Title	CADD TECHNICIAN		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		Bachelor of Science / 2002 / Industrial Technology Associate Degree / 2002 / Design and Drafting		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<i>Ms. Sherman will assist as a CADD Technician. Ms. Sherman's role includes using MicroStation to create project plan sets that are used for presentations, project bids and construction.</i>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>05/21-Present</b>	<b>MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector:</b> Ascension Parish – LA 73 will connect to the four-lane divided Bluff Road via a <b>multi-lane roundabout</b> . Access Management is being implemented due to the proximity of the roundabout to I-10 @ LA 73. Ms. Sherman assisted with process of creating working drawing, using topographic data to create an accurate layout for plan and profile sheets, typical sections, geometric layout, striping, and signage plans.			
<b>06/18-Present</b>	<b>H.001799 / LA 531 Overpass:</b> Webster Parish – This project involved plans for <b>roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement</b> . 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. Ms. Sherman assisted with process of creating working drawing, using topographic data to create an accurate layout for plan and profile sheets, typical sections, striping, and signage plans. <b>This project has been completed and is ready for construction</b>			
<b>03/18-03/23</b>	<b>MA-17-02/ Roddy Road Widening:</b> Ascension Parish – This project consisted of widening Roddy Road in Ascension Parish. Ms. Sherman assisted with the process of creating working drawings, using topographic data, and as built drawings to create an accurate layout for plan and profile sheets, typical sections, and geometric layout. As well as creating clearing and grubbing and right of way plans.			
<b>06/17-On Hold</b>	<b>H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034):</b> East Baton Rouge Parish – Shread-Kuyrkendall & Associates designed project plans for the implementation of a <b>multi-lane roundabout with right turn slip lanes at the intersection</b> 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. Ms. Sherman assisted with process of creating working draws for plan and profile sheets, typical sections, and geometric layout. <b>Due to environmental concerns, this project has been put on hold.</b>			
<b>10/12-Present</b>	<b>H.009266 / I-10 (LA 73 to LA 30):</b> Ascension Parish – This project includes widening 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, existing bridge widening at three locations within the project limits. Phased construction of bridges at the LA 73 interchange with I-10 requires diversion crossovers and ramp modifications. Ms. Sherman is assisting with the process of creating working drawings, using topographic data to create an accurate layout for plan and profile sheets, typical sections, striping, and signage plans.			

## 16. Staff Experience

### Firm employed by **Vectura Consulting Services, LLC**

Name	Sheelagh Brin Ferlito, PE, PTOE		Years of relevant experience with this employer	8
Title	PRINCIPAL		Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization			B.S. / 1988 / Civil Engineering	
Active registration number / state / expiration date			PE.0025383 / LA / September 30, 2025	
Year registered	1993	Discipline	Civil	
Contract role(s) / brief description of responsibilities			<i>Traffic Control Design / Temporary Traffic Signal Analysis and Design QC</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/21 - current	<b>H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)</b> Brin is the task leader for Vectura for the <b>Construction Engineering and Inspection of 24 traffic signals</b> . Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.			
07/19 - current	<b>MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)</b> Brin is the lead traffic engineer for entire the New Capacity Projects program management team. <b>All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin.</b> She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.			
07/19 - current	<b>H.004791 DOTD Belle Chasse Bridge &amp; Tunnel Replacement PPP (Belle Chasse, LA)</b> Brin is the project manager for the <b>temporary and permanent traffic signal plans</b> for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on <b>design year volumes</b> that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.			
04/18 – 06/21	<b>H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)</b> Brin reviewed 60 Percent Preliminary Signing and Striping Plans and developed documented comments based on DOTD Road Design Manual, DOTD Standard Details and MUTCD. She is also the project manager for the design of temporary traffic signal plans that will be implemented during the <b>roundabout construction</b> at the intersection of US 171 at Boone Street in Leesville, LA. She coordinated access management issues using aerials, aged traffic volumes and Synchro Software.			
09/20 – 12/21	<b>H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)</b> Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves <b>replacing three existing signalized intersections with multilane roundabouts</b> along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also developed <b>signal timing plans</b> for each phase of the construction to maintain progression along LA 30.			
07/18 – 04/19	<b>LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA</b> Brin developed a Pedestrian Crosswalk Study and <b>Traffic Signal Construction Plans</b> for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included <b>traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses</b> . The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.			
09/17-04/18	<b>US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA</b> Brin developed a formal traffic study for a proposed crosswalk with pedestrian <b>traffic signal equipment and pedestrian clearance timings</b> based on DOTD requirements. Brin assisted with <b>vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street</b> . From the design study, a set of <b>Traffic Signal Modification Plans</b> were developed to implement the recommended alternative.			

02/17-10/17	<b>Stage 0 Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)</b> Brin developed the safety analyses for a <b>Stage 0 Study</b> for 4 intersections in the Mandeville area. The study was based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Brin assisted collecting 7-day, 24-hour counts w/ Classification, turning movement counts for peak periods and speed data for mainlines. She developed signal timing in the PTV Vistro software. The signal timings were then used in Sidra to complete the HCM analyses. Brin provided a quality control review of the traffic report.
06/16-09/17	<b>H.004490 Stage 0 Roundabout Studies (Lafayette Parish, LA)</b> Brin developed sections of a <b>Stage 0 Feasibility Study for roundabouts</b> the conformed to DOTD EDSMs and Traffic Engineering Manual Section 20.2 at ten intersections in the Lafayette area. Brin, along with Laurence, collected 7-day, 24-hour counts w/ classification, turning movement counts for AM and PM peak periods and speed data for mainlines. Brin provide a QC review of the Sidra analyses and developed traffic signal timing for 3 intersections for Years 2019 and 2039, AM & PM peak hours and developed a crash analyses as defined in Section 20.2 of TEM. CMF factors were identified for the preferred alternative to predict the number of crashes that could be eliminated. Brin provided a QC review of the final draft.
04/14 – 12/14	<b>H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)</b> As the project engineer, Brin was in responsible charge for <b>data collection and design for three signalized intersections</b> as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	<b>EBR 03-TS-CI-0026 CE&amp;I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)</b> Brin was the Project Resident Engineer on behalf of EBR for performing <b>CE&amp;I services for the construction of 11 traffic signals</b> . She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	<b>SPN 013-05-0043 CE&amp;I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)</b> Brin was the Project Resident Engineer for DOTD and EBR to perform <b>CE&amp;I services for the construction of 21 traffic signals</b> . She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	<b>S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA)</b> Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, <b>traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout</b> . Design also included <b>traffic signal synchronization signal timing</b> and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	<b>Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)</b> Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, <b>traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate</b> . This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	<b>EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)</b> Brin was the project engineer for the <b>design of 66 signalized intersections</b> on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

## 16. Staff Experience

### Firm employed by **Vectura Consulting Services, LLC**

Name	<b>Laurence Lucius Lambert, II, PE, PTOE, PTP</b>	Years of relevant experience with this employer	8
Title	PRINCIPAL	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010	
Active registration number / state / expiration date		PE.0029901 / LA / March 31, 2024	
Year registered	2001	Discipline	Civil
Contract role(s) / brief description of responsibilities		<i>TMP QC</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/21 - 03/21	<b>H.013256.5 I-10 ITS Scott to Lake Charles (Southwest Louisiana)</b> Laurence was the lead traffic engineer for a Level 2 <b>Traffic Management Plan (TMP)</b> for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.		
07/22 – 09/22	<b>H.013716.5 – US 167: Camellia Blvd – Churchill Dr (Lafayette, LA) Pedestrian Count Study</b> Laurence developed a technical memorandum as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the <i>Traffic Engineering Manual</i> Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk.		
07/19 – current	<b>MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)</b> At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the <b>travel demand model</b> to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also developed specifications of Rectangular Rapid Flashing Beacons (RRFB) for the City of Baton Rouge.		
04/18 – 12/21	<b>H.010960.5 LA 30 Roundabouts at Tanger &amp; I-10 Gonzales (Ascension, LA)</b> Laurence provided a Quality Control review of the <b>temporary construction and sequence of construction plans</b> . Vectura also provided Quality Control review of <b>signing and striping plans</b> at 30% and 60% plan sets to ensure the <b>roundabouts</b> conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.		
04/18 – 12/21	<b>H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA)</b> Laurence provided a Quality Control review of the <b>temporary construction and sequence of construction plans</b> . Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the <b>roundabouts</b> conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.		
02/20 – 09/21	<b>College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)</b> Laurence was the <b>project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection)</b> for proposed improvements College Drive. Since the I-10 interchange was included in the study, <b>approval from DOTD was required</b> . Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.		
09/17-04/18	<b>US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA</b> Laurence assisted Brin in the development of a formal traffic study for a proposed crosswalk with <b>pedestrian traffic signal equipment and pedestrian clearance timings</b> based on DOTD requirements. Brin assisted with <b>vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street</b> . From the design study, a set of <b>Traffic Signal Modification Plans</b> were developed to implement the recommended alternative.		
10/17 - 10/18	<b>H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA)</b> Laurence was the lead transportation engineer for a <b>Corridor Planning Study</b> for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and <b>roundabout</b> controlled alternatives. Included in the study was a <b>safety analyses</b> of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.		



01/17 – 07/17	<b>RPC Task ST-1.17 Minnesota Park Road Improvements (Tangipahoa Parish)</b> Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 feasibility study. Laurence utilized Sidra software to perform an alternative analyses Highway Capacity Manual Analyses that included STOP, signal, and a <b>roundabout</b> . The DOTD procedures for utilizing Sidra were followed for this project. Laurence stamped the final version of the traffic study for the Stage 0.
09/16 - 04/17	<b>H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA)</b> Laurence was the lead traffic engineer for a <b>DOTD traffic study</b> for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, <b>collected 7-day, 24-hour counts</b> w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/14 - 01/17	<b>FHWA Intersection &amp; Interchange Geometrics: Innovative Design Considerations for All Users (Multiple States)</b> FHWA funded workshops for state Departments of Transportation that were interested in learning more about innovative intersection & interchange design. Laurence presented either part or all the one-day or two-day workshops that included modules on the overall policy and goals of FHWA for these types of innovations, <b>roundabouts, roundabout interchanges, DLTs, DDIs, J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools (CAP-X)</b> available to compare the measures of effectiveness of each innovation. Each module includes sections on design, traffic operations, safety and multi-modal accommodation Laurence has presented for the Alabama, Kentucky, Ohio, Oklahoma, Massachusetts, Tennessee, and Texas Departments of Transportation under this contract.
06/16 - 09/17	<b>H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)</b> Laurence performed a <b>Stage 0 Feasibility Study for roundabouts</b> at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Laurence, along with Brin, <b>collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines</b> . Once the traffic data was collected, Laurence performed <b>traffic signal warrants analyses</b> , performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	<b>S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA)</b> This 3.5-mile route will connect existing <b>I-49 / I-20 interchange</b> to the proposed I-49 / I-220 interchange. After completing the <b>Stage 0</b> , Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
04/04 - 12/04	<b>I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen (Baton Rouge, LA)</b> Laurence provided the <b>traffic analysis for a highly unique reconfiguration of interstate ramps</b> that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, Laurence performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Laurence prepared traffic signal timings and designs that included cost estimates for the project.
04/04 - 09/06	<b>Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)</b> Laurence was the lead traffic engineer for a <b>Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane</b> . Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence <b>analyzed signalized and unsignalized intersections</b> , basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

## 16. Staff Experience

Firm employed by **Vectura Consulting Services, LLC**

Name	<b>Reece Rodrigue, PE, PTOE, RSP1</b>	Years of relevant experience with this employer	4
Title	PROJECT TRAFFIC ENGINEER	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042074 / LA / March 31, 2024	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		<i>Project Engineer for Traffic Control Design / Temporary Traffic Signal Analysis and Design</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
04/21 - current	<p><b>MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA</b> Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.</p>		
07/21 – current	<p><b>H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge)</b> Reece is part of the team responsible for <b>Construction Engineering and Inspection</b>. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.</p>		
01/21 – 05/21	<p><b>H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes)</b> Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using <b>DOTD's Bid Tabulation and Cost Estimating Tool</b>.</p>		
09/20 – 12/21	<p><b>H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)</b> Reece was a project engineer, who participated in the production of the temporary <b>signal design associated with the sequence of construction for the roundabout</b> at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.</p>		
09/20 – 12/21	<p><b>H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish)</b> Reece was a project engineer, who assisted in the production of the temporary <b>signal design associated with the sequence of construction for the roundabouts</b> on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.</p>		
04/20 - current	<p><b>H.004791 DOTD Belle Chasse Bridge &amp; Tunnel Replacement Public-Private Partnership Project (Belle Chasse)</b> Reece is the project engineer who <b>designed the temporary traffic signal</b> for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which was also used in planning for the permanent and temporary signal timing plans. Reece also produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece reviewed and approved shop drawings that were submitted by the contractor.</p>		

04/21 - current	<b>MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA</b> Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
02/20 – 09/21	<b>College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)</b> Reece was the task leader for organizing and formatting the <b>data collection</b> of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	<b>Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA</b> Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	<b>H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish)</b> Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the <b>preliminary plans using CAD</b> software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	<b>Ochsner Main Campus Traffic Signals (Jefferson Parish)</b> Reece served as a design engineer for the <b>traffic signal plans</b> for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	<b>Loyola Interchange Modification Request, Kenner, LA</b> Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	<b>H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3</b> Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

## 16. Staff Experience

### Firm employed by **Vectura Consulting Services, LLC**

Name	<b>Kristen Gahagan Farrington, PE, PTOE, RSP1</b>	Years of relevant experience with this employer	2
Title	PROJECT TRAFFIC ENGINEER	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042785 / LA / March 31, 2025	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		<i>Project Engineer for TMP</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/23 – 07/23	<p><b>H.013722 Morgan City Sidewalks &amp; Shared Use Path (Morgan City, LA)</b> Kristen was the lead engineer as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the <i>Traffic Engineering Manual</i> Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk. The study also included an evaluation of a mid-block crossing based on the criteria set in Section 3B.2.7 of the <i>Traffic Engineering Manual</i>. The study consisted of vehicular and pedestrian counts, spot speed study, a safety analysis and field observations.</p>		
04/21 - current	<p><b>CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)</b> Kristen a project engineer for a <b>traffic design study and traffic signal design of 19 signals</b> along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.</p>		
08/21 – 04/22	<p><b>H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA)</b> Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting <b>vehicular speed and volume data</b> at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the <i>FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations</i> were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area on a state route.</p>		
02/20 – 09/21	<p><b>MOVEBR College Drive Enhancement Project (Baton Rouge, LA)</b> Kristen assisted with the <b>data collection</b> task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.</p>		
6/19 - 2/21	<p><b>H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA)</b> Kristen served as project manager for a <b>Stage 0</b> study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.</p>		
6/19 - 2/21	<p><b>H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA)</b> Kristen served as project manager for a <b>Stage 0</b> study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.</p>		

04/19 – 6/21	<p><b>H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA)</b> Kristen served as project engineer responsible for a <b>Stage 0</b> study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.</p>
03/19 – 11/19	<p><b>H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)</b> Kristen was the task leader for the preparation of a <b>Stage 0</b> study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.</p>
11/18 - 3/21	<p><b>H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)</b> Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as <b>unmet demand observations and calculations</b>. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.</p>
04/18 – 04/19	<p><b>H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)</b> Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this <b>Stage 0</b> Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.</p>
09/17 – 09/18	<p><b>H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)</b> Kristen was the designer responsible for concept development, report writing, and impact analysis for a <b>Stage 0</b> study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.</p>
11/16 – 07/17	<p><b>H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment</b> Kristen was the project engineer responsible for assisting with the site visits, data organization, <b>analysis of permanent alternatives and traffic control alternatives</b>, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement.</p>



## 16. Staff Experience

Firm employed by **Vectura Consulting Services, LLC**

Name	<b>Bridget Scheyd Robicheaux, PE, PTOE (Part-Time)</b>	Years of relevant experience with this employer	6
Title	PROJECT TRAFFIC ENGINEER	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		B.S./2007/Civil Engineering M.S./2014/Civil Engineering	
Active registration number / state / expiration date		PE. 0041272 / LA / March 31, 2025	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		<i>Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/21 – current	<b>H.007160 EBR Computerized Traffic Signal, Phase VB (Baton Rouge)</b> Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.		
06/21 - 06/21	<b>CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)</b> Bridget assisted with the <b>traffic signal design of 19 signals</b> along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).		
03/21 - 07/22	<b>H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)</b> Bridget is part of the team responsible for <b>Construction Engineering and Inspection</b> . Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.		
04/20 - 07/20	<b>H.004791 DOTD Belle Chasse Bridge &amp; Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)</b> Bridget assisted the project engineer who <b>designed the temporary traffic signal</b> for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.		
04/19 - 01/20	<b>Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafayette Parish, LA)</b> Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.		
07/19 – current	<b>MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)</b> Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple <b>reviews of traffic studies and traffic signal designs</b> . This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.		
07/18 – 04/19	<b>LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA</b> Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.		

10/17 - 07/18	<p><b>Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA)</b> Bridget developed base year traffic volumes to calibrate and test of the regional travel demand as part of <b>updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD</b>. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.</p>
09/17 - 11/17	<p><b>US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study (St. Tammany Parish, LA)</b> Bridget participated in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed raw traffic videos and developed <b>AM and PM peak period turning movement vehicle count figures</b>. She also assisted Brin with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.</p>
02/17 - 10/17	<p><b>Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)</b> Bridget participated in the development of a <b>Stage 0 Feasibility Study for roundabouts at four intersections</b> in St. Tammany Parish. The scope was developed based on EDMS VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts for morning and evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for design year volumes were also developed based on information provided from the TransCAD model. She performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.</p>
06/16 - 09/17	<p><b>H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)</b> Bridget assisted with developing a <b>Stage 0 Feasibility Study for roundabouts at seven intersections</b> in the Lafayette area. The scope was developed based on EDMS VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic <b>turning movement counts</b> diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also developed several figures that were included in the report.</p>

## 16. Staff Experience


Firm employed by **Vectura Consulting Services, LLC**

Name	<b>Gustavo Clavijo</b>	Years of relevant experience with this employer	<1
Title	DATA COLLECTION MANAGER	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		B.S./ 2011/ Business Administration	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>Data Collection Manager</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/23 – current	<b>Traffic Impact Study for Waste Site (Lake Charles, LA)</b> Gustavo scheduled and managed the traffic data collection efforts for two, 7-day classification counts and 14 turning movement counts. Gustavo assisted in the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.		
11/23 – current	<b>Distribution Center Traffic Impact Study (Elmwood, LA)</b> Gustavo scheduled and managed the traffic data collection efforts for two, 7-day classification counts and nine turning movement counts. Gustavo assisted in field observations as well as the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.		
9/23 – current	<b>H.972462.1 US 190B /Fremaux Ave. Sidewalk Feasibility Study (Slidell, LA)</b> Gustavo scheduled and managed the traffic data collection efforts for two 7-day classification counts, two, 7-day ped and bike counts, six turning movement counts, three turning movement counts with demand and three radar spot-speed survey. Gustavo assisted in the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.		
12/22 – 12/22	<b>I-10 Calcasieu River Bridge (Lake Charles, LA)</b> While employed with National Data and Surveying Services, Gustavo was the Project Coordinator working alongside WSP engineers to conduct the traffic data collection effort. Gustavo directly scheduled and managed the field collection efforts on two separate occasions for 54 7-day classification mainline and ramp counts. Gustavo ensured that all collection efforts were completed within budget and on schedule.		
08/22 – 11/22	<b>Ardenwood Dr Traffic Counts (Baton Rouge, LA)</b> While employed with National Data and Surveying Services, Gustavo was the Project Coordinator working alongside Neel-Schaffer engineers to conduct the traffic data collection effort. Gustavo directly scheduled and managed the field collection efforts for four, 7-day classification counts, 25, 48-hr classification counts, and 24 driveway counts. Gustavo ensured that all collection efforts were completed within budget and on schedule.		
11/21 – 12/21	<b>US 190 Traffic Counts (Mandeville, LA)</b> While employed with National Data and Surveying Services, Gustavo was the Project Coordinator working alongside Neel-Schaffer engineers to conduct the traffic data collection effort for 29 48-hr classification counts; 20 6hr turning movement counts, 94 driveway counts and 2 radar spot-speed surveys. Gustavo ensured that all collection efforts were completed within budget and on schedule.		



## 16. Staff Experience

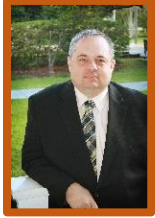
Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Karla E. Weston, PE</b>	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		PE. 0031010 / LA / March 31, 2024	
Year registered	2004	Discipline	Civil
Contract role(s) / brief description of responsibilities.		 <i>Mrs. Weston will oversee the firm's role as a sub-consultant and make sure the work is completed to all LADOTD standards.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/16 - 09/19	<b>H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA:</b> Mrs. Weston 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 project design, coordinate with the prime consultant and government agencies.		
12/13 – 10/19	<b>H.02960 Gramercy Bridge, St. James Parish, LA:</b> 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	<b>H.010620 I-49 Design Build, Lafayette, LA:</b> 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	<b>H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA:</b> 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	<b>EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA:</b> 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	<b>H.009104.5 - Sunshine Bridge Phase 2:</b> 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	<b>Red River – Jackson Street Bridge, Alexandria, LA:</b> 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	<b><u>H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33:</u></b> 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	<b><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></b> 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	<b><u>Picardy Avenue Extension–City/Parish of East Baton Rouge:</u></b> 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 well as subsurface drainage design for approximately ½ mile.

## 16. Staff Experience


Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Ralph D. Burgess, PLS</b>	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		PLS. 0005040 / LA / September 30, 2024	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities		 <p><b>Meets the role of MPR 4 (Survey)</b> 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.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Burgess served as the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails. Mr. Burgess worked with the prime consultant, as well as CD&C crews to obtain and incorporate all survey data.		
09/21 – 03/22	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> 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	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> 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	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> 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	<b>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</b> 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	<b>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:</b> 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 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	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> . Mr. 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.
7/17 - 12/18	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> 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 two state projects with a project survey for final submittal to combine all projects together.
01/16 - 08/16	<b>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</b> 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	<b>H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA:</b> 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
08/16 - 12/17	<b>H.011235 I-49 South at Verot School Road, Lafayette, LA:</b> 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, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07/14 - 10/15	<b>H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA:</b> Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.
04/17 - 07/17	<b>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</b> Mr. Burgess served as Survey 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.

## 16. Staff Experience

Firm employed by **Civil Design & Construction, Inc.**

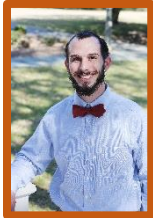
Name	<b>Christopher L. Ballard, PLS</b>	Years of relevant experience with this employer	8
Title	SURVEY PROJECT MANAGER	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Biological Science / Southeastern LA University	
Active registration number / state / expiration date		PLS. 0005033 / LA / September 30, 2024	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities		 <p><b>Meets the role of MPR 4 (Survey)</b> Mr. Ballard serves 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. Ballard 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.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Ballard served as the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
09/18 - 01/20	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> 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	<b>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</b> Mr. Ballard served as the firm's 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. The project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.		
02/19 - 09/19	<b>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA:</b> Mr. Ballard served as the Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges that were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded through FEMA and all documentation has to be in accordance with FEMA's policies and procedures.		



01/17 - 12/17	<b>East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:</b> In 2017, CD&C 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	<b>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:</b> 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	<b>H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA:</b> Mr. Ballard served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all 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	<b>Plank Rd Realignment, Baton Rouge, LA:</b> 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	<b>H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA:</b> 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 the project delivery schedule, processing of data, and final review of the submittal of the project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
08/16 - On-Going	<b>H.011235 I-49 South at Verot School Road, Lafayette, LA:</b> 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, and 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	<b>H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA:</b> 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	<b>260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA:</b> 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	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> 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

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Madison Mills, PLS</b>	Years of relevant experience with this employer	1
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. 0005293 / LA / March 31, 2025	
Year registered	2022	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		 <p><i>Mr. Mills joined CD&amp;C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as an Assistant Survey PM for CD&amp;C working to manage field crews, process field crew data, and finalize deliverables.</i></p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>02/23 – 12/23</b>	<b><u>H.012027 I 20: Union Pacific RR Overpass:</u></b> Mr. Mills served as an Assistant Survey PM on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
<b>08/16 – On-Going</b>	<b><u>H.011235 I-49 South at Verot School Road, Lafayette, LA:</u></b> Mr. Mills serves as an Assistant Survey PM 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 compiling property surveys and ROW mapping.		
<b>01/22 – 11/22</b>	<b><u>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:</u></b> Mr. Mills is working as a Survey PM on this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch lists, working with utilities, and completing the final deliverables to the client. CD&C is a sub-consultant on this project.		
<b>09/21 – 03/22</b>	<b><u>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</u></b> 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.		
<b>08/21 – On-Going</b>	<b><u>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</u></b> 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 of all the utility information and location such that survey crews could collect data and incorporate it for the submittal up to QLD Level B however an official SUE submittal was not required for this project. The final submittal will be in accordance with the 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 of all the utility information and location such that survey crews could collect data and incorporate it for the submittal up to QLD Level B however an official SUE submittal was not required for this project. The final submittal was in accordance with the latest LADOTD Location and Survey standards.
02/21 – 07/22	<u>H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek:</u> Mr. Mills worked as an 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 Bride at Sandy Creek, West Feliciana Parish, LA:</u> Mr. Mills worked as an 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.



## 16. Staff Experience

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Bradley Jacobs, EI</b>	Years of relevant experience with this employer	1.5
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		EI. 0032456 / LA / September 30, 2025	
Year registered	2015	Discipline	Engineering Intern
Contract role(s) / brief description of responsibilities		<i>Mr. Jacobs will process field crew data and finalize deliverables.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Jacobs serves as a Survey Technician on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
08/16 – On-Going	<b>H.011235 I-49 South at Verot School Road, Lafayette, LA:</b> Mr. Jacobs serves as a Survey Technician 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 compiling property surveys and ROW mapping.		
08/22 – On-Going	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</b> Mr. Jacobs is working as a Survey Technician on 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.		
08/21 – On-Going	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> Mr. Jacobs is working as a Survey Technician on this St. Mary Street Sidewalks 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	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:</b> Mr. Jacobs is working as a Survey Technician on 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.		
09/21 – 03/22	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> Mr. Jacobs worked as a Survey Technician on 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.		
03/22 – 09/22	<b>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</b> Mr. Jacobs worked as a Survey Technician on 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 of all the utility information and location such that survey crews could collect data and incorporate it for the submittal up to QLD Level B. However, an official SUE submittal was not required for this project. The final submittal was in accordance with the latest LADOTD Location and Survey standards.		
06/15 – 07/15	<b>Essen Lane Control:</b> Mr. Jacobs worked on Right of Way maps in the office and helped set monuments in the field. Brad 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.		
04/21 – 05/21	<b>Jefferson and Corporate Interchange Survey:</b> Mr. Jacobs created the GPS control sketch that shows the traverse for the survey.		
06/2021	<b>Pollard Branch:</b> Mr. Jacobs wrote the legal descriptions for three different tracts. The legal descriptions reflected the overall boundary survey maps.		

## 16. Staff Experience

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Trent Norris</b>	Years of relevant experience with this employer	9
Title	SENIOR TECHNICIAN	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>Mr. Norris serves as the firm's 3D Scanning Technician who will aid 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.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I-20: Union Pacific RR Overpass:</b> Mr. Norris served as the lead Survey Technician on this project primarily in charge of processing 3D Scan data. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
10/20 – 01/21	<b>H.014302 US 165 Lighting, Monroe, LA:</b> 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	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> 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	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> 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	<b>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</b> 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 the necessary topographic data from them thru TopoDot to put into InRoads.		
08/16 – 01/18	<b>H.011235 I-49 Verot School Road, Lafayette, LA:</b> 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 the necessary topographic data from them thru TopoDot to put into InRoads.		
10/16 – 10/16	<b>H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:</b> 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 the necessary topographic data from them thru TopoDot to put into InRoads.		
10/15 – 12/18	<b>H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA:</b> 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 the necessary topographic data from them thru TopoDot to put into InRoads.		
01/16 – 07/16	<b>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</b> 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 the necessary topographic data from them thru TopoDot to put into InRoads.		

## 16. Staff Experience

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Scott Benton</b>	Years of relevant experience with this employer	6
Title	SENIOR TECHNICIAN	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		ATSSA Traffic Control Supervisor, Technician & Flagger	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>Mr. Benton serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Benton served as a 3D Scanning Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
10/20 – 01/21	<b>H014302 US 165 Lighting, Monroe, LA:</b> 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	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> 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	<b>H.008369 Cleo Road Roundabout, St. Tammany Parish, LA:</b> Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began at approximately 2400 ft. NW of the intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of the 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	<b>H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA:</b> 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 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	<b>H.005693 LA 447, Walker, LA:</b> 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 fieldwork, utility coordination, review of existing survey data provided by LADOTD, and all office work to produce the final product; this includes merging of the 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	<b>H.011088.5 West Prien Lake, Lake Charles, LA:</b> Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide a 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	<b>H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:</b> 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.		

## 16. Staff Experience

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Philip Dupree</b>	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		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	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>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.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Dupree was the Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
07/20 – 04/21	<b>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:</b> Mr. 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	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> 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	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> 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	<b>H.011235 I-49 South at Verot School Road, Lafayette, LA:</b> 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	<b>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</b> 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	<b><u>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:</u></b> 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	<b><u>H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:</u></b> 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	<b><u>H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA:</u></b> 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	<b><u>H.011088.5 West Prien Lake, Lake Charles, LA:</u></b> 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 a 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	<b><u>H.010620 I-49 Design Build:</u></b> 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

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Jacob Stoehr</b>	Years of relevant experience with this employer	8
Title	SURVEY PARTY CHIEF	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		ATSSA Traffic Control Technician, Flagger	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>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.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Stoehr served as a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
09/21 – 03/22	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> 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.		
07/20 – 04/21	<b>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:</b> 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	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> 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	<b>H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:</b> 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	<b>H.011235 I-49 Verot School Road, Lafayette, LA:</b> 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	<b>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA:</b> Mr. Stoehr served as a Jr. Party Chief on 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 must be in accordance with FEMA's policies and procedures.		
7/17 – 12/18	<b>H.003184.5 I-10 Texas State Line East of Coone Gully:</b> 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

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Alex Wells</b>	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		ATSSA TCS, TCT, Flagger	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>Mr. Wells joined CD&amp;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.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>02/23 – 12/23</b>	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Wells served as one of the Survey Party Chiefs for this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
<b>09/21 – 03/22</b>	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> 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.		
<b>01/22 – 11/22</b>	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:</b> Mr. Wells worked as an Instrument Man 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.		
<b>08/21 – On-Going</b>	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> 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.		
<b>07/20 – 10/21</b>	<b>H.013989 Greybow Rd. Palmetto Creek:</b> 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.		
<b>07/20 – 04/21</b>	<b>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:</b> Mr. Wells worked as 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.		
<b>02/21 – 05/21</b>	<b>H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA:</b> 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.		
<b>10/20 – 01/21</b>	<b>H014302 US 165 Lighting, Monroe, LA:</b> 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

Firm employed by **Civil Design & Construction, Inc.**

Name	<b>Drennon Humphreys</b>	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		Flagger, TCT	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<i>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.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/23 – 12/23	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Humphreys served as one of the Survey Party Chiefs on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.		
09/21 – 03/22	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> Mr. Humphreys 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.		
08/22 – On-Going	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</b> 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	<b>H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA:</b> Mr. Humphreys served as an 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	<b>H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek, Allen Parish, LA:</b> Mr. Humphreys served as an 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.		
04/21 – 12/21	<b>Move BR: Hennessy Blvd. –Perkins Rd. to Picardy Ave., Baton Rouge, LA.:</b> Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project. We are 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	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:</b> Mr. Humphreys is working as an 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	<b>H.013956 Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA:</b> Mr. Humphreys served as an 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 **APS Engineering and Testing, LLC**

Name	<b>Sergio Aviles, P.E., M.ASCE</b>		Years of relevant experience with this employer	12
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			PE. 0033571/ LA / March 31, 2024	
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities			<i>Project Manager/Design Guidance/Field Crew and Lab Management.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
	<i>Mr. Aviles has over 20 years of experience in geotechnical and civil engineering. He has significant experience working at LADOTD performing slope stability analysis, embankment settlement calculations, mechanically stabilized earthen wall design, sheet pile design and pile testing. After founding A P S Engineering and Testing eleven years ago, Mr. Aviles continued his work throughout Louisiana working with both government and private entities. Mr. Aviles also has extensive experience in the design and construction supervision of roadway projects in the region. Mr. Aviles is proficient in the use of AutoCAD Civil 3D which he utilizes in the design of projects.</i>			
11/19-06/22	<b>Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA- 19-</b> A P S was selected with the winning team for the design of the diversion CMAR project. A P S performed the Geotechnical Design for the project. Mr. Aviles was the Project Manager for the Project Design team.			
09/19-05/23	<b>Project No. H.004100: I-10 Widening LA 415 to Essen LN-</b> 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. A P S drilled a total of eight (8) over the waterborings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Aviles was the Project Manager to the Geotechnical Investigations			
11/19-12/23	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> 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	<b>Project No. H.001344: US 190 over Bogue Falaya River-</b> 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.			
08/6-10/19	<b>Project No. H.012422: I-110 Interchange Modification at Terrace Ave-</b> 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			

11/17-02/18	<p><b>Project No. H.013193: US 61 Thompson Creek Bridge Replacement-</b> 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. Aviles was the Project Manager to the Geotechnical Investigations and Analysis assigned for roads and bridges.</p>
07/14-08/14	<p><b>Project No. 700-51-0110: US 90 elevated portion for the I-49 corridor-</b> 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>
03/01 – 05/05	<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><b>ONSYSTEM PROJECT LIST:</b></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> <p>015-04-0037 LA524-LA123 Route US165, 015-05-0035 LaSalle, 015-07-0044 (Route 165 Cadwell, 276-03-0016 Tangipahoa River Bridge, 3132 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.Innerloop 427</p>

## 16. Staff Experience

Firm employed by **APS Engineering and Testing, LLC**


Name	<b>Sairam (Sai) Eddanaudi, M.E., P.E.</b>		Years of relevant experience with this employer	12
Title	CHIEF ENGINEER		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			ME/Civil Engineering BE/Civil Engineering	
Active registration number / state / expiration date			PE. 0035129/ LA / March 31, 2024	
Year registered	2008	Discipline	Civil	
Contract role(s) / brief description of responsibilities			<i>Laboratory QA Manager/Design Engineer.</i>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
	<i>Mr. Sairam (Sai) Eddanapudi is the Senior Geotechnical Engineer for A P S. He has over 20 years of experience in the Geotechnical and Civil Engineering field. Mr. Sai received a Masters of Science in Civil Engineering from Lamar University and a Bachelors in Technology in Civil Engineering from India (August, 1999). Mr. Sai's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete. Mr. Sai has experience with the following software: Slope/w (2004 and 2007 versions) for slope stability analyses, Seep/w for seepage analysis, Driven 1.2 (for driven piles), MicroStation V8, CWALSHT and FS004 for slope stability analyses, Swell Potential (for expansive soils), Drilled Shaft Design software, Auger cast pile design Analysis, AASHTO pavement, Slope analysis, and Differential Settlement Analysis.</i>			
11/19-06/22	<b>Project No. H. H.001352 and H.002273: Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA-19-</b> A P S was selected with the winning team for the design of the diversion CMAR project. A P S performed the Geotechnical Design for the project. Mr. Sai was the Senior Design Engineer for the Project Design team.			
09/19-05/23	<b>Project No. H.004100: I-10 Widening LA 415 to Essen LN-</b> 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. A P S drilled a total of eight (8) over the waterborings and 44 land borings. Along with this drilling and sampling, A P S tested for strength and engineering characteristics of the soils with approximately 1000 Triaxial Compression, Unconsolidated Drained Or Undrained (UU) and Atterberg Limits. Mr. Sai was the project QA to the Geotechnical Investigations.			
11/19-12/23	<b>Project No. H.001344: US 190 over Bogue Falaya River-</b> 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 Senior Design Engineer for the Project Design team.			
03/19-05/19	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> 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. Sai was Chief Engineer for the Project Design team.			



<p><b>08/6-10/19</b></p>	<p><b>Project No. H.012422: I-110 Interchange Modification at Terrace Ave-</b> 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.</p>
<p><b>11/17-02/18</b></p>	<p><b>Project No. H.013193: US 61 Thompson Creek Bridge Replacement-</b> 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.</p>

## 16. Staff Experience

Firm employed by **APS Engineering and Testing, LLC**

Name	<b>Surendra Pathak, M.S., P.E.</b>		Years of relevant experience with this employer	11
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		PE. 004348 / LA/ September 30, 2025		
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities		<i>Laboratory QA Manager/Design Engineer.</i>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
	<i>Mr. Surendra Pathak is a Staff Geotechnical Engineer for A P S. He has over 15 years in the Geotechnical and Civil Engineering field. Mr. Pathak received a Master of Science in Civil Engineering (MSCE) from Mississippi State University in 2013, a Master of Science in Civil Engineering from Norwegian University of Science and Technology in 2007, and a B.E. in Civil Engineering from Madan Mohan Malaviya University of Technology (India) in 1998. Mr. Pathak's professional experience consists of the design of roadways, bridges, levees and T-walls as well as the design of shallow and deep foundations. His field experience includes QC inspection of auger cast piles, drill shafts, soil and concrete.</i>			
11/19-06/22	<b>Project No. H.002273, H.000710, and H.001352 Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge LA-67 and LA-19:</b> A P S was tasked thru our DOTD geotechnical retainer to drill and sample a total of 12 deep borings for the new and replacement bridges at Highway 19, 67, and 964. A P S tested for strength and engineering characteristics of the soils. Mr. Surendra was a Design Engineer for the Project Desing team.			
09/19-05/23	<b>Project No. H.004100: I-10 Widening LA 415 to Essen LN-</b> 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 was an engineer to the Geotechnical Investigations.			
11/19-12/23	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> 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. Surendra was an engineer for the Project Design team.			
03/19-05/19	<b>Project No. H.001344: US 190 over Bogue Falaya River-</b> 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.			
08/6-10/19	<b>Project No. H.012422: I-110 Interchange Modification at Terrace Ave-</b> 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 an engineer to the Geotechnical Investigations.			
11/17-02/18	<b>Project No. H.013193: US 61 Thompson Creek Bridge Replacement-</b> 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 an engineer to the Geotechnical Investigations.			

## 17. Firm Experience

Firm name	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>		Past Performance Evaluation Discipline(s)*	ROAD
Project name	<b>LA 73 Roundabout at Bluff Rd. Connector</b>		Firm responsibility (prime or sub?)	Prime
Project number	H.014918 / MA-22-01	Owner's name	Ascension Parish	
Project location	Ascension Parish		Owner's Project Manager	Jeff Burst, P.E.
Owner's address, phone, email	615 Worthy St., Gonzales, LA 70737/ (225)368-2869 / Jburst@hntb.com			
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost (\$1,000's)		\$ 760
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm (\$1,000's)		\$ 760

### \*100% of work was performed in Louisiana

The LA 73 corridor in Ascension Parish is experiencing significant congestion problems due to changes in population and land use in the area resulting in increased traffic volumes. In 2018, a **traffic and feasibility study** were initiated to improve operations along this corridor from LA 74 to LA 621.

In 2022, Shread-Kuyrkendall & Associates (SKA) completed final design for the LA 73 to Bluff Road (LA 928) Connector Project (MA-20-01), with a scheduled letting summer 2024. This project is new construction of a two-lane roadway from Bluff Road to LA 73. The Connector will become the main method of travel between LA 73 and Bluff Road for this area. On Bluff Road the entrance to the connector will be located between C Braud Rd. and Crestway Ave. On LA 73 the connector will be located between Mission Street and Oak Plaza Ave. SKA was contracted to design the LA 73 Roundabout at Bluff Rd. Connector as part of an additional contract.



This project, LA 73 Roundabout at Bluff Rd. Connector (MA-22-01), will convert an existing section of LA 73 from three lanes to four lanes with a raised median and curb and gutter providing access management. **Two bulb-outs will be added for U-turns** and control of access at the end of the project limits and **a multi-lane roundabout is being designed at the intersection** with the future Bluff Road Connector (MA-20-01) and an existing commercial drive. Sidewalks on both sides of LA 73 and pedestrian refuge areas inside the roundabout will be added. **Access Management** is being implemented due to the proximity of the roundabout to I-10 at LA 73 and numerous businesses adjacent to the roundabout. The roundabout includes an eastbound right turn slip-lane onto southbound LA 73. This project also includes the redesign of 7900' of the existing storm drain system within the project limits.

### Firm Members Involved:

**Richard R. Shread, PE., PLS.**  
**Ripley "Gary" W. McClure, PE.**  
**John P. Raymond, PE.**  
**Garrett Gilbert, EI.**  
**Dianna Sherman**

This project, although contracted by Ascension Parish, is a state route and is also being coordinated with and reviewed by DOTD in conjunction with other projects on the LA 73 corridor. Special care was considered with the northbound and southbound dual-lane entrances to provide desired offset left alignments and geometry to eliminate vehicle path overlap.

**SKA is currently in Preliminary Design Phase**

### The geometry for construction includes the following approach:

- WB-67 Design Vehicle
- Offset left approach
- 180' diameter inscribed circle
- 32' circulatory width
- LA 73 Access Management



## 17. Firm Experience

Firm name	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>		Past Performance Evaluation Discipline(s)*	ROAD
Project name	<b>LA 42: Highland Road at Pecue Lane (Intersection)</b>		Firm responsibility (prime or sub?)	Prime
Project number	H.012306.1	Owner's name	LADOTD	
Project location	East Baton Rouge Parish		Owner's Project Manager	Connie Porter Betts, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1297 / Connie.Porter@la.gov			
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost (\$1,000's)	\$ 119	
Services completed by this firm (mm/yy)	05/19	Cost of consultant services provided by this firm (\$1,000's)	\$ 105	

### \*100% of work was performed in Louisiana

The preliminary purpose of this study was to assess and identify alternatives that will **address safety and operation concerns at the intersection** of LA 42 (Highland Road) and Pecue Lane. The limits of this study were limited to the vicinity of the intersection of LA 42 (Highland Road) and Pecue Lane. Highland Road consists of two travel lanes, one east bound and one westbound, with no turn lanes. Pecue Lane consists of two travel lanes, one northbound and one southbound, with no turn lanes. The intersection of Highland Road at Pecue Lane is an unsignalized T intersection with stop control on Pecue Lane just under a mile and a half south of I-10 and Pecue Lane. The alignment of Pecue Lane with Highland Road has an approximate angle of approach of 40 degrees. Highland Road enters the T intersection eastbound on a horizontal curve.

A **traffic study** was completed to evaluate the operation and safety at the intersection of Highland Road and Pecue Lane. The study indicated that the Highland Road eastbound approach is a noted area of congestion. Left turn movements through the intersection area experience delays due to the horizontal curvature approaching Pecue Lane. Future development was driving the population growth in the project area. In addition, a proposed interchange of Interstate 10 at Pecue Lane will greatly increase the traffic at this intersection in the future. The safety analyses for the intersection indicate that the majority of the crashes were caused by motorists not being able to see opposing traffic with the existing alignment. Based on these findings, the intersection improvement is focusing on fixing the existing alignment. The analyses indicate that three alternatives will improve safety and traffic operation in the study area.

The Stage 0 Study assessed and identified three alternative concepts that improved safety and traffic operation for the existing and future conditions. All three alternatives include realigning the existing Pecue Lane from an approximate forty-degree skewed angle to an approximate less than five-degree angle, which will greatly improve safety and operation. The existing skewed intersection has safety and operation concerns. It was difficult for drivers to see the opposing traffic and to make turns with the existing alignments. Therefore, the alignment of the intersection needed to be addressed. In Alternate 1, the intersection has been modified to an unsignalized three-leg or T intersection. In

Alternative 2, the intersection has been modified to a signalized three-leg or T intersection. In Alternate 3, the intersection has been reconfigured to an urban single-lane roundabout.

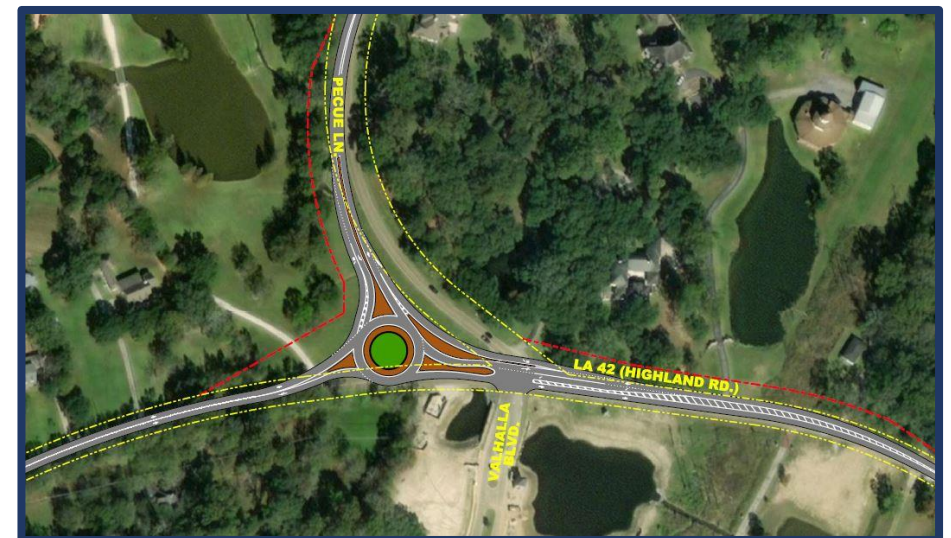
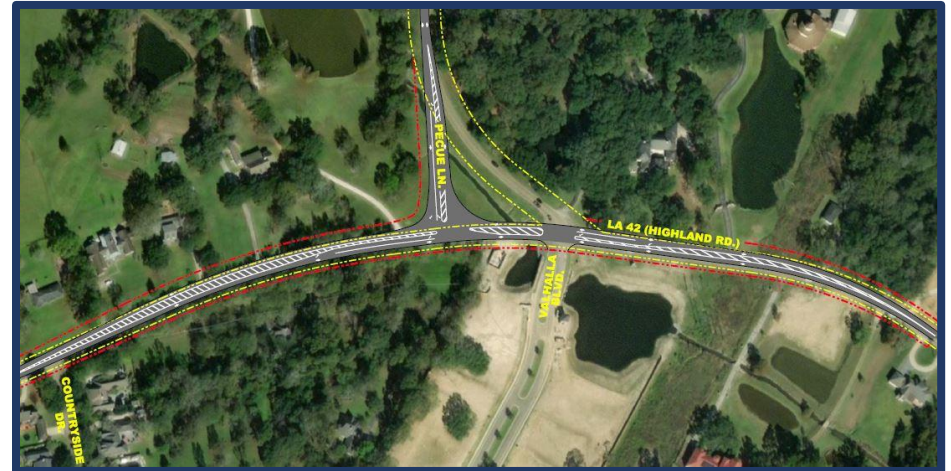
### Firm Members Involved:

**Richard R. Shread, PE., PLS.**

**Ripley "Gary" W. McClure, PE.**

**John P. Raymond, PE.**

**James Partin**





## 17. Firm Experience

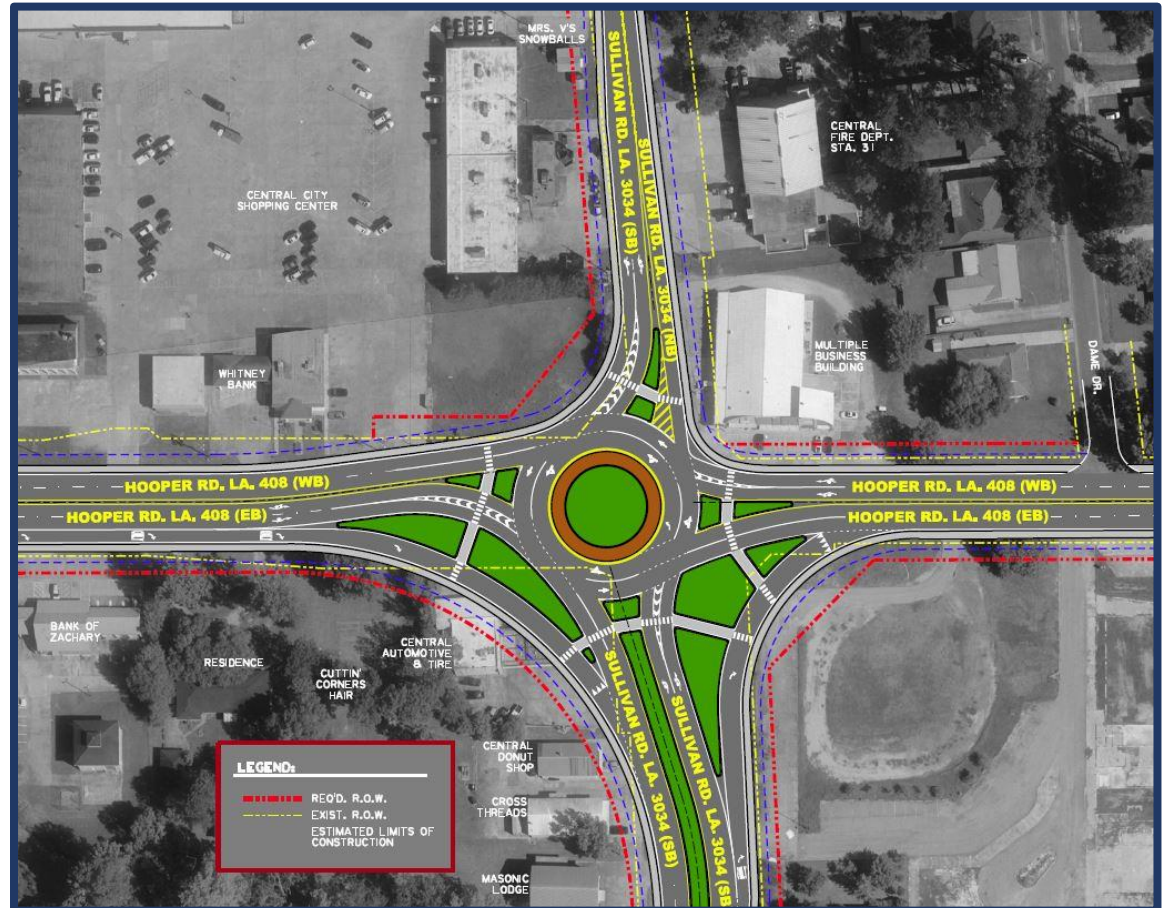
Firm name	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>		Past Performance Evaluation Discipline(s)*	ROAD
Project name	<b>Hooper Rd. Roundabout at Sullivan Rd. (LA 408 at LA 3034)</b>		Firm responsibility (prime or sub?)	Prime
Project number	H.011923	Owner's name	LADOTD	
Project location	East Baton Rouge Parish		Owner's Project Manager	Joshua Harrouch, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1133 / Joshua.Harrouch@la.gov			
Services commenced by this firm (mm/yy)	06/17	Total consultant contract cost (\$1,000's)	\$ 269	
Services completed by this firm (mm/yy)	On Hold	Cost of consultant services provided by this firm (\$1,000's)	\$ 269	

### \*100% of work was performed in Louisiana

Shread-Kuyrkendall & Associates (SKA) was contracted to design and submit 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.

An Environmental Assessment Study was conducted at the intersection location. It concluded that an existing building on the NE quadrant is eligible to be on the register of historic places. DOTD examined many alternatives (shifting roundabout, implementing a peanut, etc.) all of which impact the gas station or the NE quadrant. It was unlikely that there is a scenario that doesn't affect either one completely. DOTD will not pursue alternative alignments, rather, DOTD requested SKA to investigate the best layout for the roundabout based on the conceptual design and site-specific issues. SKA provided DOTD with multiple layouts for review, once agreed upon SKA submitted 30% preliminary plans, but the contract was put on hold until it was determined what the most feasible path forward is with the proposed alignment.

**Due to environmental concerns, this project has been put on hold.**



### Firm Members Involved:

**Richard R. Shread, PE., PLS.**  
**Ripley "Gary" W. McClure, PE.**  
**John P. Raymond, PE.**  
**Garrett Gilbert, EI.**  
**Dianna Sherman**



## 17. Firm Experience

Firm name	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>		Past Performance Evaluation Discipline(s)*	ROAD
Project name	<b>Henry Road at LA 930 Roundabout</b>		Firm responsibility (prime or sub?)	Prime
Project number	MA-18-08	Owner's name	Ascension Parish	
Project location	Ascension Parish		Owner's Project Manager	Jeff Burst, P.E.
Owner's address, phone, email	615 Worthy St., Gonzales, LA 70737/ (225)368-2869 / Jburst@hntb.com			
Services commenced by this firm (mm/yy)	01/20	Total consultant contract cost (\$1,000's)		\$403
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm (\$1,000's)		\$403

### \*100% of work was performed in Louisiana

Shread-Kuyrkendall & Associates, Inc. (SKA) was selected to provide engineering design services for the Henry Road at LA 930 Roundabout Project. As part of the Move Ascension Program (Transportation Infrastructure Improvement Program), **the intersection of Henry Road and LA 930 was included for a comparative analysis of the existing stop-controlled intersection with a proposed single lane roundabout.** SKA was the prime consultant selected for this project with subconsultants for traffic, SUE, and geotechnical.

LA 930 (Daigle Road) is a two-lane roadway running north-south at its intersection with Henry Road with a posted speed limit of 45 miles per hour (mph). Henry Road is a two-lane roadway running east-west at its intersection with LA 930 (Daigle Road) with a posted speed limit of 35 mph. Traffic concerns due to the Prairieville Middle School (PVM) carpool line was a main factor driving this project.

**SKA, along with their traffic sub-consultant, Vectura Consulting Services, L.L.C (Vectura),** were retained by Ascension Parish to conduct a roundabout feasibility study. The purpose of the feasibility study was to provide a comparative analysis of the operational performance of the existing traffic control of an all-way stop control (AWSC) and a modern roundabout at the intersection of Henry Road at LA 930 (Daigle Road). A comparison between each alternative in terms of capacity / safety was analyzed and documented for the Build Year of 2021 and the Design Year of 2041. The installation of a roundabout provides increased safety because of reduction in the severity of angle crashes due to slower speeds and reduced conflict points. Additionally, the potential for many severe conflicts, such as right angle, left turn, and head-on crashes are eliminated with the installation of a roundabout.

Design of the project was completed in 2021; the roundabout was **constructed and operational in 2022, under budget, and on-time.** Coordination was required with two (2) other design consultants for proposed improvements on Henry Road and LA 930. Henry Road roundabout has been named "Panther Roundabout" as a homage to the adjacent Prairieville Middle School Mascot. Panther Roundabout was the first completed and operational roundabout under the Move Ascension Program.



### Firm Members Involved:

**Richard R. Shread, PE., PLS.**

**Ripley "Gary" W. McClure, PE.**

**John P. Raymond, PE.**

**Garrett Gilbert, EI.**

**Dianna Sherman**

### The geometry for construction includes the following approach:

- WB-67 Design Vehicle
- Offset left alignment
- 130' diameter inscribed circle
- 20' circulatory width

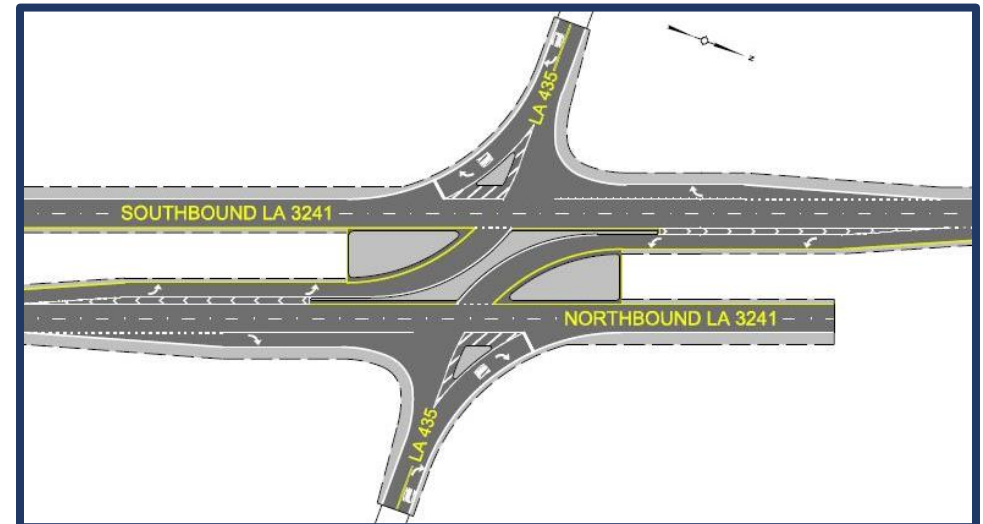
## 17. Firm Experience

Firm name	<b>Shread-Kuyrkendall &amp; Associates, Inc.</b>	Past Performance Evaluation Discipline(s)*	SURVEY/ROAD/BRIDGE
Project name	<b>LA 3241 (LA 36 to LA 435)</b>	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)	Present	Cost of consultant services provided by this firm (\$1,000's)	\$ 2127

### \*100% of work was performed in Louisiana

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. This project includes three (3) segments of nearly 20 miles of new roadway to connect Interstate 12 to the southern terminus of LA 21 in Bush, LA. SKA's contracted segment consists of approximately eight miles of a new alignment in St. Tammany Parish. 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. 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.

A supplemental **Traffic Study** was conducted to investigate, analyze, and recommend how access is to be managed along the proposed LA 3241 corridor using current LA DOTD Engineering Directives and Standards. The LA 3241 corridor's median openings, driveway connections, as well as the **intersection of LA 435 and LA 3241 were analyzed**. The majority of the segment is control of access right-of-way, but there was area within the project limits that contains both unlimited and limited (restricted) access right-of-way. That area is located at the northern end of project where LA 435 intersects with the proposed LA 3241. For the intersection control at LA 435 / LA 3241, the J-turn configuration and roundabout were compared considering several factors. An Environmental Impact Statement (EIS) was completed in 2012 prior to design. The alternative selected for design included a full-access intersection at LA 435 / LA 3241, however given the updated LADOTD guidance since the completion of the EIS in 2012, the full-access intersection given in the EIS document was not preferable as the proposed intersection of LA 435 and LA 3241 did not meet the necessary EDSM IV.2.1.4 requirement to have a full access median opening as the intersection did not warrant a traffic signal in the build or design years. The traffic analysis included the evaluation of a J-turn configuration and a roundabout. The roundabout intersection performs slightly better than the J-turn configuration in the design year (2038). The J-turn intersection would likely require less right-of-way, but due to the location of the Talisheek Creek Bridge the northbound U-turn median opening (part of the adjacent project) would be over 2,000 feet from the northernmost driveway. The roundabout intersection would likely require additional property takes on the four quadrants of the intersection of LA 435 and LA 3241. The intersection analysis consisted of Sidra 7 software runs for build and design year in the PM peak period comparing the performance of two alternative intersection designs as specified by EDSM IV.2.1.4: a two-lane roundabout; a J-turn or restricted crossing U-turn (R-CUT) intersection which includes a directional (left turn) median opening with a directional U-turn on both sides of the intersection. This study has presented the comparison of the two intersection alternatives at LA 435 and LA 3241. The impacts considered were Right-of-Way acquisitions, U-turn locations due to the Talisheek



### Firm Members Involved:

**Richard R. Shread, PE., PLS.**

**Ripley "Gary" W. McClure, PE.**

**John P. Raymond, PE.**

**James Partin**

Creek Bridge, traffic management during construction, and estimated construction costs.

Based on this information LADOTD decided to move forward with the J-Turn alternative.

**Currently in the construction phase.**

## 17. Firm Experience

Firm name	<b>Vectura Consulting Services, LLC</b>		Past Performance Evaluation Discipline(s)*	TRAFFIC
Project name	<b>Roundabout: US 171 at Boone St.</b>		Firm responsibility (prime or sub?)	Sub
Project number	H.011909.5	Owner's name	DOTD	
Project location	Vernon Parish, LA		Owner's Project Manager	Josh Harrouch
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV			
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost (\$1,000's)	unknown	
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	\$82.045	

*\*100% of work was performed in Louisiana*

Vectura designed temporary **traffic signal plans** as part of the sequence of construction plan for **a roundabout construction at the intersection** of US 171 at Boone Street in Leesville, LA. The purpose of the project was to replace the existing signalized intersection with a multilane roundabout at Boone Street.

### Temporary Traffic Signal Design

Vectura performed the following design tasks to develop temporary traffic signal plans:

- **Detailed study** of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

### Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

### Firm Members Involved:

**Brin Ferlito**  
**Reece Rodrigue**  
**Laurence Lambert**  
**Bridget Robicheaux**

## 17. Firm Experience

Firm name	<b>Vectura Consulting Services, LLC</b>		Past Performance Evaluation Discipline(s)*	TRAFFIC
Project name	<b>LA 30 Roundabouts at Tanger I-10</b>		Firm responsibility (prime or sub?)	Sub
Project number	H.010960.5	Owner's name	DOTD	
Project location	Ascension Parish, LA		Owner's Project Manager	Josh Harrouch
Owner's address, phone, email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV			
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost (\$1,000's)	unknown	
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	\$153,294	

*\*100% of work was performed in Louisiana*

Vectura designed temporary **traffic signal plans that will be implemented during construction of the three roundabouts** along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also provided Quality Control review of construction plans.

### Temporary Traffic Signal Design

Vectura performed following design tasks to develop temporary traffic signal plans

- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

### Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

### Firm Members Involved:

**Brin Ferlito**  
**Reece Rodrigue**  
**Laurence Lambert**  
**Bridget Robicheaux**

## 17. Firm Experience

Firm name	<b>Vectura Consulting Services, LLC</b>		Past Performance Evaluation Discipline(s)*	TRAFFIC
Project name	<b>I-10 ITS Scott to Lake Charles</b>		Firm responsibility (prime or sub?)	Sub
Project number	H.013256.5	Owner's name	DOTD	
Project location	I-10 (District 07)		Owner's Project Manager	Roy Esteven, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov			
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)	unknown	
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm (\$1,000's)	\$20,162	

*\*100% of work was performed in Louisiana*

Vectura performed a **Level 2 Traffic Management Plan** (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies.

### Firm Members Involved:

**Brin Ferlito**

**Reece Rodrigue**

**Laurence Lambert**

**Kristen Farrington**



## 17. Firm Experience

Firm name	<b>Civil Design &amp; Construction, Inc.</b>		Past Performance Evaluation Discipline(s)*	SURVEY	
Project name	<b>St. Mary Street Sidewalks</b>			Firm responsibility (prime or sub?)	Sub
Project number	H.011833.5	Owner's name	DOTD		
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		

*\*100% of work was performed in Louisiana*

**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.

### **Firm Members Involved:**

**Karla E. Weston, P.E.**

**Ralph Burgess, PLS.**

**Christopher Ballard, PLS.**

**Madison Mills, PLS.**

**Brad Jacobs, EI.**

**CJ Goodspeed**

**Tracey Smith**

**Phil Dupree**

**Trent Norris**

**Scott Benton**

**Alex Wells**

**Jason Stoehr**

**Drennon Humphreys**

## 17. Firm Experience

Firm name	<b>Civil Design &amp; Construction, Inc.</b>		Past Performance Evaluation Discipline(s)*	SURVEY	
Project name	<b>LA 30 Roundabouts at Tanger I-10</b>			Firm responsibility (prime or sub?)	Sub
Project number	H.010960.5-2	Owner's name	DOTD		
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

*\*100% of work was performed in Louisiana*

**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.

### **Firm Members Involved:**

**Karla E. Weston, P.E.**

**Ralph Burgess, PLS.**

**Christopher Ballard, PLS.**

**John Ewing**

**Phil Dupree**

**Trent Norris**

**Jacob Stoehr**

## 17. Firm Experience

Firm name	<b>Civil Design &amp; Construction, Inc.</b>		Past Performance Evaluation Discipline(s)*	SURVEY	
Project name	<b>Verot School Road</b>			Firm responsibility (prime or sub?)	Sub
Project number	H.011235	Owner's name	DOTD		
Project location	Lafayette, LA		Owner's Project Manager	Thomas Gattle (Huval & Assoc.)	
Owner's address, phone, email	922 W. Point Des Mouton Rd., Lafayette, LA 70507 337-234-3798 tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost (\$1,000's)	N/A		
Services completed by this firm (mm/yy)	01/18	Cost of consultant services provided by this firm (\$1,000's)	\$ 435		

*\*100% of work was performed in Louisiana*

**Project Description:** This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA. The project is for the proposed widening of US 90/I-49 South and the realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map. This included a complete topographic survey of all utilities with depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project.

**CD&C's Role:** CD&C performed a complete topographic survey of the project site by using 3D Terrestrial Scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits. Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and met with safety advisors for the industrial businesses that were impacted. The survey included coordination with the ongoing I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. CD&C also researched and compiled an existing right-of-way linework for the prime consultant to use for exhibits for the project. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

### **Firm Members Involved:**

**Karla E. Weston, P.E.**

**Ralph Burgess, PLS.**

**Christopher Ballard, PLS.**

**John Ewing**

**Phil Dupree**

**Trent Norris**

**Jacob Stoehr**

## 17. Firm Experience

Firm name	<b>APS Engineering and Testing, LLC</b>		Past Performance Evaluation Discipline(s)*	GEOTECH
Project name	<b>I-10 Widening LA 415 to Essen LN</b>		Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	DOTD	
Project location	Baton Rouge, LA		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)	05/23	Cost of consultant services provided by this firm (\$1,000's)	\$ 400	

*\*100% of work was performed in Louisiana*

**Scope-** Geotechnical Investigation to provide client with the necessary information for planning and design of I-10 widening. APS was tasked 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, APS tested 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. The laboratory testing program also included visual classification and determination of water (moisture) content, ash content, organic material of peat and other organic soils, as well as the amount of materials finer than 75-µm (no. 200) sieve in soils by washing.

### Similarities to Professional Geotechnical Services:

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

### Firm Members Involved:

**Sergio Aviles, PE.**

**Sai E. Ddanapudi, ME., PE.**

**Surendra Raj Pathak, MS., PE.**

## 17. Firm Experience

Firm name	<b>APS Engineering and Testing, LLC</b>		Past Performance Evaluation Discipline(s)*	GEOTECH
Project name	<b>Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge</b>		Firm responsibility (prime or sub?)	Sub
Project number	H.001352; H.002273	Owner's name	Huval & Associates, Inc.	
Project location	East Baton Rouge, LA		Owner's Project Manager	Thomas M. Gattles III, P.E.
Owner's address, phone, email	922 West Don't des Mouton Rd., Lafayette, LA 70507 / 337.264.3798/ tgattle@huvalassoc.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)	06/22	Cost of consultant services provided by this firm (\$1,000's)	\$ 150	

*\*100% of work was performed in Louisiana*

**Scope-** Geotechnical Engineering to provide client with the necessary information for planning and building of LA-19 RR Bridge - slope stability (embankment), LA-19 RR Bridge - embankment/ MSE wall settlement/ retaining wall, LA-19 twin bridges - PPC piles, LA-67 Bridge - drilled shafts. APS drilled and sampled a total of 19 borings ranging between 50ft. and 110ft. in depth. Testing of collected soil samples was performed in house by APS laboratory. The testing schedule included visual classification as well as standard methods for determining moisture content, liquid limit, plastic limit and plasticity, unconsolidated-undrained triaxial compression, and one-dimensional consolidation.

### Similarities to Professional Geotechnical Services:

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

### Firm Members Involved:

**Sergio Aviles, PE.**  
**Sai E. Ddanapudi, ME., PE.**  
**Surendra Raj Pathak, MS., PE.**  
**Van George**  
**Eric Bateaste**  
**Melvin Vasquez**  
**Oscar Johnson**  
**Trenton Anderson**



## 17. Firm Experience

Firm name	<b>APS Engineering and Testing, LLC</b>		Past Performance Evaluation Discipline(s)*	GEOTECH
Project name	<b>US-90 Railroad Overpass SE of LA-85</b>		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/ ngill@skanger.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)	12/23	Cost of consultant services provided by this firm (\$1,000's)	\$ 105	

*\*100% of work was performed in Louisiana*

**Scope-** Geotechnical Investigation to provide client with the necessary information for planning and design of roadway and two (2) parallel bridge structures over an existing at grade railroad crossing at US 90. APS drilled a total of twelve (12) borings to a depth of 120ft each. Undisturbed samples were continuously obtained from the ground surface to a depth of 20 feet and at five (5) feet centers thereafter. A laboratory testing program was conducted to determine pertinent engineering characteristics of the subsurface materials. This program included visual description and classification and determination of the moisture content. Over 60 Atterbergs and UUs were tested by APS with 18 consolidation tests. All the necessary testing was performed in house by APS laboratory. The geotechnical report included MSE wall embankment settlement, stability analysis, pile capacity analysis, design and general construction recommendations.

### Similarities to Professional Geotechnical Services:

- Geotechnical Explorations (GE)
- Geotechnical Design (GD)
- Geotechnical Construction (GC)
- Contract Management (CM)

### Firm Members Involved:

**Sergio Aviles, PE.**

**Sai E. Ddanapudi, ME., PE.**

**Surendra Raj Pathak, MS., PE.**

**Van George**

**Eric Bateaste**

**Melvin Vasquez**

**Oscar Johnson**

**Trenton Anderson**

**Donna Easterly**

**Cindy Falks**

## 18. Approach and Methodology

### EXPERIENCE

**Shread-Kuyrkendall & Associates, Inc. (SKA)** has over 30 years of successful DOTD experience and has worked closely with DOTD on multiple types of projects for roadway, bridge, safety, and preservation. SKA has selected a successful team to implement the required services as part of this initial services contract, which includes a traffic study. Additional services, if required, will be authorized by a Supplemental Agreement will include surveying services, traffic services, geotechnical services, preliminary and final plans, and any additional items required to provide DOTD with a quality constructible final set of plans for the intersection improvements at Mills Avenue (LA 94) and Rees Street (LA 328).

*SKA is well prepared and has staff available to engage in this type of work along with our traffic sub-consultant Vectura Consulting Services, LLC (DBE Firm). SKA has a great working relationship with Vectura. We have recently worked together on the Henry Road at LA 930 Roundabout Project in Ascension Parish. If a supplemental agreement is authorized for the design of the intersection improvements, SKA will add the following subconsultants, Civil Design & Construction (CDC) for surveying, and APS Engineering and Testing (APS) for geotechnical. SKA has a great and extensive working relationship with both firms and have teamed up for a multitude of DOTD and City-Parish projects.*

### UNDERSTANDING

Our team understands the scope includes initial and additional services. Our team at SKA employs several experienced engineers for roadway design with more than 30 years' experience in addition to our subconsultants. The proposed initial project consists of a traffic study to analyze the existing intersection at Mills Avenue (LA 94) and Rees Street (LA 328) and the effects of the proposed roadway extension along LA 94 (E Mills Avenue) from LA 328 to Parish Road 214 (Doyle Melancon Extension) in Breaux Bridge, Louisiana. Once the study is complete additional services may be required for the design of the intersection improvements at Mills Avenue (LA94) and Rees Street (LA 328). In the initial project, the team will coordinate with the DOTD District Office in Lafayette, LA to discuss and establish a mutual understanding of the scope of the project and the purpose of the traffic analysis. We understand the importance of coordination in the early stages of design to provide quality plans for constructability.

*SKA has designed numerous intersection improvements for DOTD as well as local parishes, whether it was part of a new alignment or existing alignment that requires improvements for safety and operational concerns. SKA recently completed the design for an intersection project similar to the design of this proposed project.*

This project has many similarities to the **LA 73 Roundabout at Bluff Rd. Connector** project designed by **John Raymond, PE**. The LA 73 corridor in Ascension Parish is experiencing significant congestion problems due to changes in population and land use in the area resulting in increased traffic volumes. In 2018, a **traffic and feasibility study** were initiated to improve operations along this corridor from LA 74 to LA 621. The LA 73 Roundabout at Bluff Rd. Connector (MA-22-01), will convert an existing section of LA 73 from three lanes to four lanes with a raised median and curb and gutter providing access management. In 2022, Shread-Kuyrkendall & Associates (SKA) completed final design for the LA 73 to Bluff Road (LA 928)

Connector Project (MA-20-01). This project is new construction of a two-lane roadway from Bluff Road to LA 73. The Connector will become the main method of travel between LA 73 and Bluff Road for this area. SKA was contracted to design the LA 73 Roundabout at Bluff Rd. Connector as part of an additional contract. Additionally, SKA has worked on numerous DOTD Stage 0 Feasibility Studies, which is similar to this project scope and includes initiation meetings, traffic studies, and multiple alternative concepts to determine the most feasible geometric layout that improves the safety and operation of the roadway with the least amount to right-of-way impacts.

*SKA has coordinated initiation meetings, public meetings and hearing with DOTD on multiple projects. Some of these being the proposed Mississippi River Bridge Crossing and Stage 0 Feasibility Studies. SKA has the ability to create exhibits, provide handouts, and coordinate meetings as needed for this project.*

### APPROACH

Our goal is to provide and deliver a quality product that meets the needs of DOTD and project stakeholders. SKA prides itself on its ability to maintain schedules, work closely with DOTD's Project Manager, and to provide a plan set that is ready for construction and minimizes plan changes using a proven QA/QC process. SKA will utilize **John Raymond, PE** as project engineer and lead road design engineer. Mr. Raymond has over 30 years of experience with SKA as well as working with DOTD. This project will consist of the preliminary phase and traffic study, if required an additional supplement will be executed for the design of the intersection improvements. Typically, SKA's approach for delivering a quality product is summarized as follows, which will be a combination of the traffic phase and the design phase.

#### **ESTABLISH A CLEAR UNDERSTANDING OF DOTD'S REQUIREMENTS AND GOALS**

During the scoping phase, **Mr. Raymond** will establish open communication with the DOTD Project Manager, provide a detailed schedule, and provide a preliminary construction cost to assist DOTD with managing the project. Establishing a clear scope and understanding expectations will assist with maintaining budgets and schedules.

**PROMPT CONTRACT EXECUTION** In the event the project time is compressed, SKA has an advantage being a local Baton Rouge consulting firm. Contracts are executed in our local office thereby eliminating the time needed for an out-of-state main office for execution and administration.

**STAKEHOLDERS** Early in the design phases, DOTD Districts, permitting agencies, utilities, and local government agency will be identified to ensure an open communication is established which in turn will provide better coordination and will reduce the chance of misunderstandings. During the preliminary phases of the plan development, SKA will propose potential design solutions to solve project design constraints noticed in the site visit.

**TEAM MEETINGS** Early on, SKA will determine the frequency of meetings needed for the project. Meetings will be determined for the project team, DOTD, and any stakeholders identified. These meetings will assist in addressing issues that may arise that could impact cost or scheduling.

## 18. Approach and Methodology

**MAINTAINING PROJECT SCHEDULE** SKA will establish a critical path for activities that may impact the project schedule such as utility relocations, permitting, and any other items that may become apparent during the design process. SKA will always strive to complete the project ahead of the scheduled completion date, but no later than the scheduled date.

*SKA has proven this on multiple projects that were designated for Federal redistribution funds that had a shortened schedule to meet August deadlines.*

**MONITORING/MANAGING CONSTRUCTION COSTS** SKA is acutely aware of the necessity for managing construction costs and coordinating early on with DOTD about any changes that may affect engineering or construction budgets. This assists with minimizing change orders and overruns for the project.

**QA/QC** This project will be approached using SKA's proven and accepted Quality Assurance and Quality Control as included as part of this proposal. Adjustments will be made if necessary to meet the needs of the project. Our QA/QC allows us to maintain the highest standards of quality from start to finish.

### METHODOLOGY

SKA and staff have been providing engineering services to DOTD for more than 30 years. As a result, SKA has a clear understanding of DOTD's Plan Delivery Process. This project consists of a preliminary phase and traffic study with an additional supplement for design services, if required.

**SCOPING** Typically, once SKA receives a Notice to Proceed, our project manager John Raymond will request a scoping meeting from the DOTD Project Manager. During this meeting, SKA will establish a Project Management Plan (PMP) and will develop and refine the scope as needed for the project to incorporate any changes that may have occurred. Defining the project scope clearly ensures the project will progress smoothly with the project. The project kickoff meeting will be used to (1) Obtain all project specific information provided by DOTD, (2) establish project design criteria, (3) determine the frequency for project coordination meetings, (4) coordinate an on-site meeting with DOTD/District to discuss project concerns and constructability, (5) discuss and review any questions that may have been revealed after reviewing existing documents, and (6) to revise and update our PMP as needed.

**FIELD VISITS** Prior to the Kick-Off Meeting, our SKA project team will meet at the site for a preliminary site visit to obtain a better understanding of the project and to identify any constraints that may cause constructability issues or design exceptions.

**TRAFFIC** Vectura Consulting Services, LLC (Vectura) will be traffic subconsultants in conjunction with SKA (prime) as engineering support in the preliminary phase of this project. The following items will be completed and made part of the traffic study documentation.

- **Data Collection:** Vectura's Data Collection Project Manager, Gustavo, will oversee all DOTD count requests, scheduling, data processing and delivery. Gustavo has over 10 years of experience in traffic data collection with five (5) of his most recent years in the state of Louisiana. He will work alongside a growing staff of experienced traffic engineers in any field observations, data processing / analyzing and QA/QC. Gustavo brings in a tremendous amount of experience

in traffic studies to Vectura as he has managed thousands of 24-hour Volume and Classification counts as well as Turning Movement Counts. In addition to Gustavo, the Vectura staff consists of five staff members who are licensed Professional Engineers (PEs) in the state of Louisiana with the Professional Transportation Operations Engineer (PTOE) certification. Our PTOE staff will be involved in the processing and QC of the final deliverable of the traffic data. As described in the RFQ, Vectura will use the peak periods identified in the 2018 study to perform spot checks of turning movement counts at three intersections. If the turning movement counts from the 2018 study are within 10% of the spot checks, then all the traffic data from the 2018 study will be utilized for the traffic study. If the spot checks are not within 10%, then Vectura will coordinate with DOTD on a data collection plan to collect the needed information.

- **Existing Safety Analysis:** To ensure the data entered the crash reports are accurate, Vectura will read the crash reports. Staff from Vectura will summarize the crash reports so that the DOTD staff can read the essential facts and conclusions from each crash. The crashes will also be shown in a diagram to illustrate any trends of data clusters that would identify correctable crash types. Any anomalies found in the crash data will be reported to DOTD.
- **Existing / No Build Traffic Analysis and Preliminary Tier 1:** Vectura will perform a multi-period analysis utilizing HCS7 for the Existing condition. We will then compare the MOEs developed in HCS7 to our field observations and adjust any default settings to match our field observations, if necessary. Through MOVEBR and other projects, Vectura has developed a deep understanding of the deliverables needed to document the Existing / No Build Conditions and will apply that experience to this project. Once the Existing condition is established, we will grow the traffic volumes utilizing the growth rate obtained from the MPO and perform a HCS7 analysis on the No Build condition. Vectura will coordinate with DOTD and the design team to develop potential alternatives for the extension. Once the potential alternatives are developed, Vectura will perform a Tier 1 analysis utilizing CAP-X. The Tier 1 document is typically about three pages in length.
- **Existing / No Build Traffic Network Review Meeting:** Vectura will prepare a written report and presentation materials that will be reviewed in the Existing / No Build Conditions meeting. At that meeting the tool selection for the Alternatives Analysis will be decided.
- **Preliminary Tier 2 Analysis:** The purpose of this task is to further develop and finalize the alternatives before performing a detailed analysis of them. Vectura will collaborate with DOTD and the road designers on the alternatives. Sketches of the alternatives will be developed and presented at a meeting with DOTD for final approval.
- **Final Alternative Analysis:** Building upon the Existing / No Build network, Vectura will utilize HCS7 to compare the alternatives in the design year

## 18. Approach and Methodology

only utilizing the MOEs listed in the RFQ. Along with the operational MOEs, staff from Vectura will develop intersection summaries that also include the safety MOEs and footprint layouts that include the right-of-way. A Comparative Evaluation Matrix will be utilized to score each alternative to develop a preferred alternative.

- **Final Alternatives Analysis Meeting:** Vectura will develop a PowerPoint presentation that summarizes Chapter 3 for discussion purposes. All the alternatives will be discussed in detail along with the preferred alternative recommendation.
- **Final Report:** After the Final Alternatives Analysis Meeting, Vectura will finalize the report for submittal and acceptance to DOTD.
- **Traffic Management Plan:** Vectura will follow EDSM VI.1.1.8 that outlines what is required for a TMP. Vectura will coordinate with DOTD to obtain traffic volume and safety data for traffic study to perform safety analysis and alternative route analysis. If historic data is not available, Vectura will follow the Traffic Study Scope of Services as outlined on the DOTD Traffic Engineering website. Staff from Vectura have worked closely with the staff of DOTD through the development and implementation of the TEPR process. Vectura will utilize this experience to navigate the TEPR process to arrive upon the optimum detour route. Along with specifying the correct TTC Details, Vectura will coordinate with the bridge / road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the travel public.

**PLAN DEVELOPMENT** For plan development (if required), SKA uses Microstation, OpenRoads (previously INRoads), OpenBridge (previously Leap Bridge), and DOTD's Hydraulic Design Software on all projects. SKA has been using these services simultaneously with DOTD since inception from Bentley Services. Additionally, SKA also uses Transoft Torus and Autoturn for roundabout design and U-turn Analysis. Using these software tools ensures that SKA's plans are compatible with DOTD's requirements and software capabilities.

- **SURVEY:** CD&C 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. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location and Survey Section and Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all LADOTD Standards as related to Terrestrial and Mobile Scanning. All deliverables will adhere to the electronic standard as set forth by LADOTD. If applicable, CD&C will ensure that all property and right of way work shall follow the LADOTD Addendum A and current standards of

practice as outlined in the laws and rules of the Louisiana Professional Engineering and Land Surveying Board and shall be certified to a class D survey as dictated by those laws and rules. Also, in conjunction with all LADOTD standards of operation for Right of Way Mapping.

- **TRAFFIC:** As previously mentioned, and described in the RFQ, Vectura will use the peak periods identified in the 2018 study to perform spot checks of turning movement counts at three intersections. If the turning movement counts from the 2018 study are within 10% of the spot checks, then all the traffic data from the 2018 study will be utilized for the traffic study. If the spot checks are not within 10%, then Vectura will coordinate with DOTD on a data collection plan to collect the needed information. Vectura will obtain traffic volumes and classification counts needed for the pavement design.
- **GEOTECH:** APS will provide shallow borings to be used for pavement structure design. Using the AASHTO classification system, APS will perform Atterberg Limits, sieve analysis, hydrometer tests, percent of organics, density, moisture content, and water table depth. As mentioned in the RFQ, APS will adhere to the guidelines for the geotechnical requirements for new construction and widened areas as well as reconstruction and overlay sections.
- **ROAD:** During the initial stages of roadway plan development **John Raymond, PE** will be lead designer for the development of the intersection improvements. Mr. Raymond has over 30 years of roadway and DOTD project experience. He will work closely with DOTD Road Design during the preliminary phase since the design of the intersection requires a considerable number of iterations among geometric layouts. **Garret Gilbert, EI** will assist John Raymond in the design of the intersection and any drainage design required for this project. SKA's CADD Technicians are very proficient using MicroStation and CADD Conform to meet the requirements for DOTD plan development. As noted in the staff resumes, our CADD staff has worked on many DOTD projects. Using CADD Technicians on DOTD projects aids in design effort manhours for engineers.

### **LA 531 Overpass: Single Lane Roundabouts at The Interstate Ramp Terminals**

*"Shread-Kuyrkendall & 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."*

*"The plans 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."*

(Excerpt from LADOTD Project Manager Technical Evaluation of Consultant)



18. Approach and Methodology

**PLAN SUBMITTALS** SKA will utilize the DOTD Road Design Manual, the MUTCD, AASHTO's Roadside Design Guide, the Highway Safety Manual, and Engineering Directives and Standards Manual for plan development and delivery. We understand typical submittal stages to be 30%, 60%, 90%, and 100% Preliminary and Final Plans, however to expedite the process, SKA will submit the following if approved by DOTD:

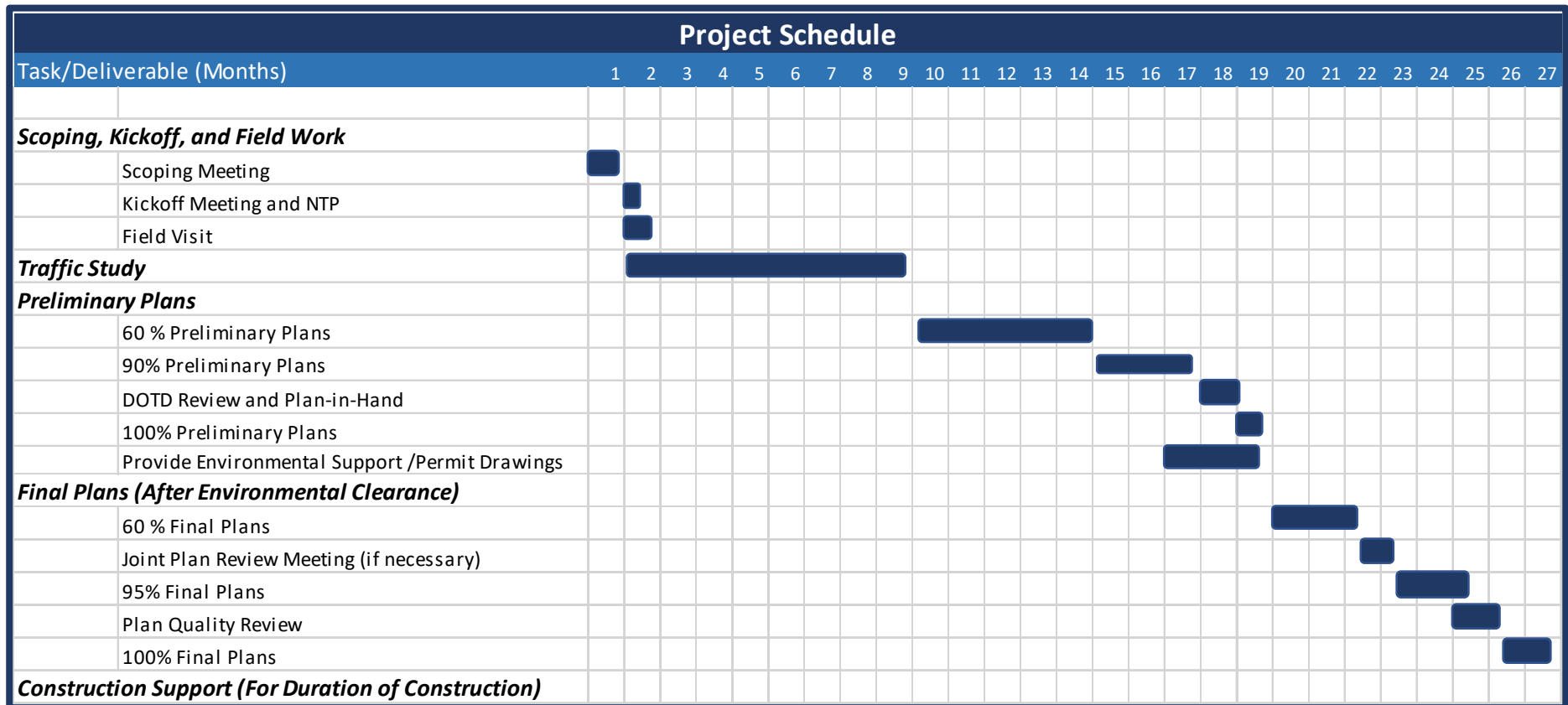
- **Preliminary Plans:** SKA will submit preliminary plans at 60%, 90%, and 100%. Additionally, the Plan-in-Hand (PIH) Meeting will be held following the 90% submittal. The preliminary hydraulic report will be submitted with the 60% submittal. Also included in the preliminary submittals will be construction cost estimate with each submittal, preliminary design reports, and any design exception or waiver requests.
- **Final Plans:** SKA will submit final plans at 60%, 95% (Advanced Check Prints), and 100% (Sealed Final Plans). The final hydraulic report will be submitted with the 60% submittal. Also included in the final submittals will be construction cost estimate with each submittal, final design reports, special provisions, NS pay items, and final design calculations.

*The overall time for completion of the scope of services is estimated to be 27 months. The initial contract for the Traffic Study is estimated to be completed in 9 months and if required, the supplemental agreement for design of the intersection is estimated to be complete by 17 months following the completion of the Traffic Study. SKA will always strive to complete the project ahead of the scheduled completion date, but no later than the scheduled date.*

**LA 14 – Business & LA 331 Erath**

*“The consultant’s deliverables were timely and accurate. Any errors or necessary changes were addressed quickly and precisely. The consultant demonstrated an understanding of and compliance with the scope of the project and showed thorough understanding of the project requirements.”*

(Excerpt from LADOTD Project Manager Technical Evaluation of Consultant)





## 19. Workload

Firm(s)	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Shread-Kuyrkendall & Associates, Inc.	Road	44-8671 H.009266	I-10 (LA 73 to LA 30) Route I-10, Ascension Parish	\$ 28,650
	Bridge	44-8671 H.009266	I-10 (LA 73 to LA 30) Route I-10, Ascension Parish	\$ 86,064
	CE&I/OV	44-4665 H.004435	I-12 to Bush, LA 3241 (LA 36 – LA 435), St. Tammany Parish	67,583
	Bridge	44-4913 H.010155	US 90 Railroad Overpass SE of LA 85	\$ 240,467
	CE&I/OV	No Contract No. H.011152	I-12 Widening (sub to T. Baker Smith)	\$ 5,457
	Road	44-17438 H.013284	MRB South GBR: LA 1 to LA 30 Connector (sub to Atlas)	\$ 131,670
	CE&I/OV	44-5615 H.000710.6	Comite River Diversion Bridge at LA 964	\$ 52,513
	Road	44-24831 H.015058.5	LA 14 – Business & LA 331:Erath	\$ 3,094
	Road	44-24831 H.015056.5	LA 685 Overlay	\$ 39,838
	Road	44-24831 H.015619	LA 106	\$ 100,125
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	\$ 74,429
	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	\$ 92,995
	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	\$ 33,910
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$ 14,740
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	\$ 572
	Traffic	4400023075 H.013522	S. Lewis Street Widening	\$ 7,499
	ITS	4400016364 H.015136.4	Northshore Regional ITS Architecture Update	\$ 11,421

19. Workload

<b>Vectura Consulting Services, LLC</b>	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	\$ 13,949
	ITS	44000020058 H.011507.1	Monroe Phase 3 SEA	\$ 29,217
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	\$ 22,388
	Traffic	4400018271 H.011242.1	LA 384 (Big Lake Rd to McNeese St)	\$ 31,827
<b>Civil Design &amp; Construction, Inc.</b>	Survey	4400005673 H.011235.5	I-49 South @ Verot School Rd	\$ 21,849
	Survey	4400024832 H.012618	LA 347 Drainage Improvements	\$ 187,870
<b>APS Engineering and Testing, LLC</b>	Geotech	4400091011 H.001271.5	Retainer Contract for Geotechnical Services- Cane River Bridge	\$133,758
	Geotech	4400091011 H.015025.5	McLin Road Over Darling Creek	\$ 46,522
	Geotech	4400091011 H.014992.5	McHugh Road Over Brushy Bayou	\$ 37,500
	Geotech	4400017262 H.012027	I-20: Union Pacific RR Overpass	\$ 61,644
	Geotech	4400017262 H.012545	Wiggins Bayou Bridge	\$ 14,646

DO NOT SUM

## 20. Certifications/Licenses

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

# *Certificate of Completion*

presented to

*Brin Ferlito*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* June 4, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 4

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Brin Ferlito*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* June 11, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 4

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*





# *Certificate of Completion*

presented to

*Brin Ferlito*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* September 10, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Laurence Lambert*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* July 16, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 2

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Laurence Lambert*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* July 23, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Laurence Lambert*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* October 15, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Reece Rodrigue*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* November 5, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 2

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*





# *Certificate of Completion*

presented to

*Reece Rodrigue*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* November 26, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3.5

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Reece Rodrigue*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* December 3, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Kristen Gahagan*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* July 30, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 2.5

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Kristen Gahagan*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* August 6, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Kristen Gahagan*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* October 29, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*





# *Certificate of Completion*

presented to

*Bridget Robicheaux*

for completing the

## **Traffic Engineering Analysis Process & Report Module 1**

*Date:* July 30, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 2.5

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Bridget Robicheaux*

for completing the

## **Traffic Engineering Analysis Process & Report Module 2**

*Date:* August 6, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*



# *Certificate of Completion*

presented to

*Bridget Robicheaux*

for completing the

## **Traffic Engineering Analysis Process & Report Module 3**

*Date:* October 18, 2018  
*Location:* Baton Rouge, Louisiana

*Professional Development  
Hours (PDHs) Awarded:* 3

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized Instructor*

  
\_\_\_\_\_  
*Authorized instructor*





# PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Brin Ferlito**

has attended

**Traffic Control Supervisor Refresher-LA State Specific**

Training Course

---

4/29/2022 to 4/29/2026  
Training Valid Through

Baton Rouge, LA  
Location

A handwritten signature in black ink, appearing to read "Kamryn Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Teichner".

President, CEO

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

*This certificate provides proof of training, not certification.*



American Traffic Safety Services Association [ATSSA.com](http://ATSSA.com)



# PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Laurence Lambert**

has attended

**Traffic Control Supervisor Refresher-LA State Specific**

Training Course

---

4/29/2022 to 4/29/2026  
Training Valid Through

Baton Rouge, LA  
Location

A handwritten signature in black ink, appearing to read "Kamryn Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Teichner".

President, CEO

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

*This certificate provides proof of training, not certification.*



American Traffic Safety Services Association [ATSSA.com](http://ATSSA.com)





# PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Reece Rodrigue**

has attended

**Traffic Control Supervisor Refresher-LA State Specific**

Training Course

---

3/10/2023 to 3/10/2027  
Training Valid Through

New Orleans, LA  
Location

A handwritten signature in black ink that reads "Don M. Clark".

Vice President of Education and Technical Services

A handwritten signature in black ink that reads "Alex Teterian".

President, CEO

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



American Traffic Safety Services Association [ATSSA.com](http://ATSSA.com)



# PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Kristen Farrington**

has attended

**Traffic Control Supervisor Refresher-LA State Specific**

Training Course

---

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

Baton Rouge, LA  
Location

A handwritten signature in black ink, appearing to read "Lange Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Teichner".

President, CEO

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



American Traffic Safety Services Association [ATSSA.com](http://ATSSA.com)



# PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Bridget Robicheaux**

has attended

**Traffic Control Supervisor-LA State Specific**

Training Course

---

6/22/2022 to 6/22/2026  
Training Valid Through

Baton Rouge, LA  
Location

A handwritten signature in black ink, appearing to read "Langeville".

Director of Training

A handwritten signature in black ink, appearing to read "Alan T. ...".

President, CEO

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



American Traffic Safety Services Association [ATSSA.com](http://ATSSA.com)



Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

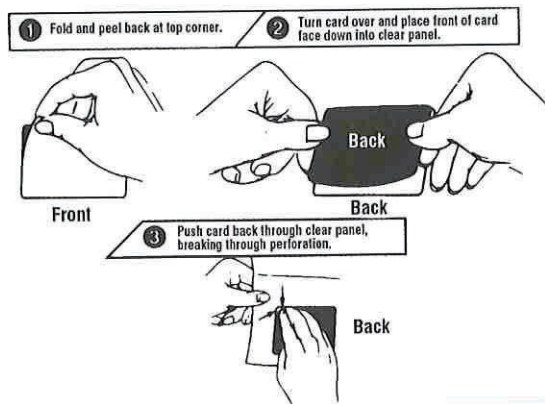
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at [www.atssa.com](http://www.atssa.com) for additional training courses and work zone safety products.

Sincerely,

VP of Education and Technical Services

**Laminating the front of your card with Dual Laminate:**



 American Traffic Safety Services Association	
This is to affirm that	
Sheelagh Ferlito	
has satisfied the requirements to be designated as a	
<b>CERTIFIED FLAGGER</b>	
Issue Date <u>5/9/2023</u>	ATSSA
Exp. Date <u>5/8/2027</u>	Instructor Name
State Issued <u>LA</u>	
Instructor Signature	
Verify at <a href="http://Flagger.com">Flagger.com</a>	
A1000126216	



Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

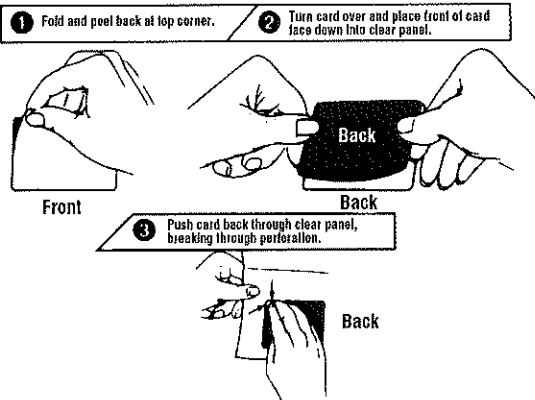
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at [www.atssa.com](http://www.atssa.com) for additional training courses and work zone safety products.

Sincerely,

VP of Education and Technical Services

**Laminating the front of your card with Dual Laminate:**



		American Traffic Safety Services Association	
This is to affirm that			
Laurence Lambert			
has satisfied the requirements to be designated as a			
<b>CERTIFIED FLAGGER</b>			
		ATSSA	
Issue Date	5/9/2023	<i>Donna M. Clark</i> Instructor Signature	
Exp. Date	5/8/2027		
State Issued	LA		
A1000126196		Verify at <a href="http://Flagger.com">Flagger.com</a>	



# Certificate of Training

*this certifies that*

**Reece Rodrigue**

---

*has successfully completed the training  
program requirements for*

**ATSSA Online Flagger Certification Training Course**

---



*Awarded on this*      **24th**      *day of* **September 2020**





Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

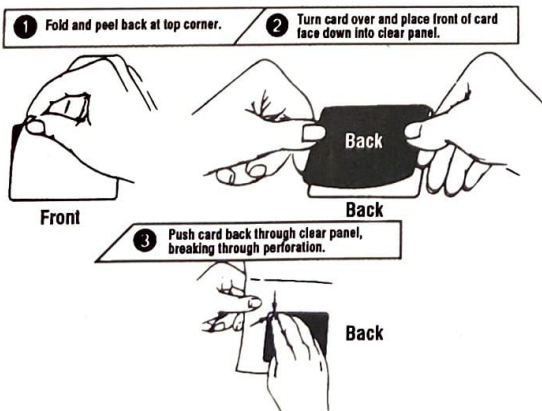
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at [www.atssa.com](http://www.atssa.com) for additional training courses and work zone safety products.

Sincerely,

Director of Training

**Laminating the front of your card with Dual Laminate:**





Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

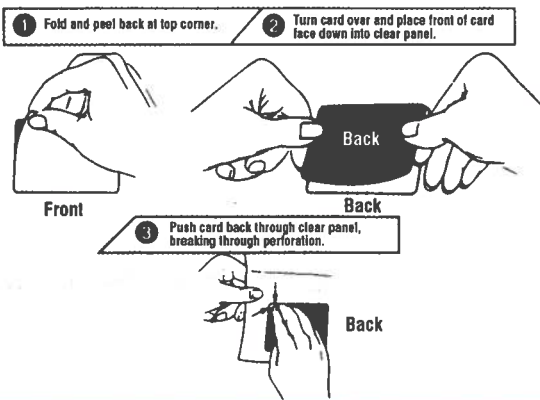
Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at [www.atssa.com](http://www.atssa.com) for additional training courses and work zone safety products.

Sincerely,

*Ramona Smith*  
Director of Training



**Laminating the front of your card with Dual Laminate:**



		American Traffic Safety Services Association	
This is to affirm that			
<b>Bridget Robicheaux</b>			
has satisfied the requirements to be designated as a			
<b>CERTIFIED FLAGGER</b> ATSSA			
Issue Date	5/6/2022	Instructor Name	<i>Ramona Smith</i>
Exp. Date	5/5/2026	Instructor Signature	<i>Ramona Smith</i>
State Issued	LA		
A1000060707		Verify at <a href="http://Flagger.com">Flagger.com</a>	

## 21. QA/QC Plan

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

## 22. Sub-consultant information

<b>Firm Name</b> (Name must match as registered with Louisiana's Secretary of State)	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
<b>Vectura Consulting Services, LLC</b>	4467 Bluebonnet Blvd., Suite A, Baton Rouge, LA 70809-9639	Sheelagh Brin Ferlito, <a href="mailto:bferlito@vecturacs.com">bferlito@vecturacs.com</a>	225-223-6685
<b>Civil Design &amp; Construction, Inc.</b>	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE <a href="mailto:Kweston@cdcbr.com">Kweston@cdcbr.com</a>	225-765-1803
<b>APS Engineering and Testing, LLC</b>	1645 Nicholson Drive, Baton Rouge LA 70802	Sergio Aviles, P.E. <a href="mailto:sergio@aps-testing.com">sergio@aps-testing.com</a>	225-456-5714

## 23. Location

**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.**