

DOTD FORM: 24-102
CONSULTANT SERVICES PROPOSAL

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

IDIQ CONTRACTS FOR
ROADWAY DESIGN SERVICES STATEWIDE

Contract Nos. 4400035043 and 4400035044

May 5, 2026

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

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

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

1. Contract Name as shown in the advertisement	IDIQ CONTRACTS FOR ROADWAY DESIGN SERVICES STATEWIDE
2. Contract Number(s) as shown in the advertisement	4400035043 and 4400035044
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	Shread-Kuyrkendall & Associates, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF. 0000767 VF. 0000130
6. Prime consultant mailing address	13016 Justice Ave., Baton Rouge, LA 70816
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	13016 Justice Ave., Baton Rouge, LA 70816
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Nicola D. Gill, P.E., Senior Civil Engineer (225) 296-1335 ngill@skaengr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Ripley W. "Gary" McClure, President (225) 296-1335 gmccclure@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.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.



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

May 4, 2026

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)' %:

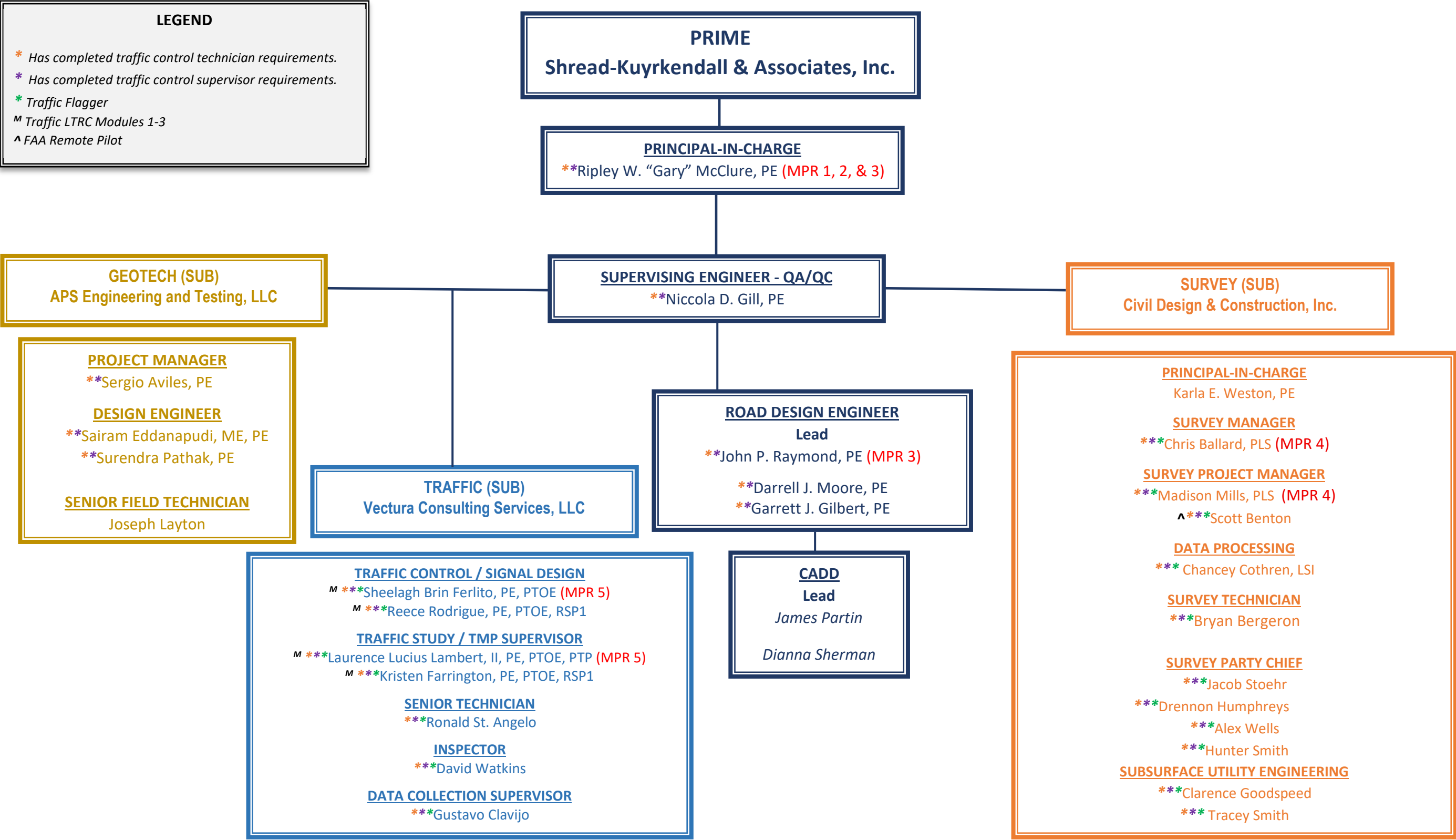
12. Discipline Table

Past Performance Evaluation Discipline(s)	% of Overall Contract *	Prime	Survey Sub	Traffic Sub	Geotech Sub	Each Discipline must total to 100%
		Shread-Kuyrkendall & Associates, Inc.	Civil Design & Construction, Inc. (DBE)	Vectura Consulting Services, LLC (DBE)	APS Engineering and Testing, LLC (DBE)	
Road	80%	100%				100%
Survey	5%		100%			100%
Traffic	13%			100%		100%
Geotech	2%				100%	100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	80%	5%	13%	2%	

13. Team Size

Firm name	DOTD Job Classification	Number of personnel <u>committed</u> to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Shread-Kuyrkendall & Associates, Inc.	Principal	1	1
	Supervisor-Eng	1	1
	Engineer	3	7
	CADD Technician	2	3
Civil Design & Construction, Inc.	Surveyor	1	2
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	2	2
	CADD Operator	1	1
	Senior Technician	3	6
	Supervisor – Other	1	1
Vectura Consulting Services, LLC	Supervisor - Eng	2	2
	Engineer	3	6
	Engineer Intern	2	2
	Senior Technician	2	3
	Supervisor - Other	1	1
	Technician	1	1
	Clerical	1	1
APS Engineering and Testing, LLC	Engineer	3	3
	Engineer Intern	2	2
	Engineering-Aide	2	4
	Driller	4	16
	Senior Technician	3	8
	Clerical	1	2

14. Organizational Chart



15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Ripley W. "Gary" McClure, P.E.	Shread-Kuyrkendall & Associates, Inc.	PE. 0024035 – Civil and Environmental	LA	9/30/26
2	Ripley W. "Gary" McClure, P.E.	Shread-Kuyrkendall & Associates, Inc.	PE. 0024035 – Civil and Environmental	LA	9/30/26
3	Ripley W. "Gary" McClure, P.E.	Shread-Kuyrkendall & Associates, Inc.	PE. 0024035 – Civil and Environmental	LA	9/30/26
	John P. Raymond, P.E.	Shread-Kuyrkendall & Associates, Inc.	PE. 0027988 – Civil	LA	9/30/26
4	Chris Ballard, P.L.S.	Civil Design & Construction, Inc.	PLS. 0005033 - Surveyor	LA	9/30/26
	Madison Mills, P.L.S.	Civil Design & Construction, Inc.	PLS. 0005293 - Surveyor	LA	3/31/27
5	Sheelagh Brin Ferlito, PE, PTOE	Vectura Consulting Services, LLC	PE. 0025383– Civil PTOE 932	LA	9/30/27 9/9/27
	Laurence Lambert, PE, PTOE, PTP	Vectura Consulting Services, LLC	PE. 0029901– Civil PTOE 1301	LA	3/31/28 2/3/28

16. Staff Experience

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

Name	Ripley W. “Gary” McClure, P.E.		Years of relevant experience with this employer	35
Title	PRINCIPAL		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, 2026	
Year registered	1988 /1994	Discipline	Civil Engineering / Environmental Engineering	
Contract role(s) / brief description of responsibilities			Meets the roles for MPR 1, 2, and 3 Mr. McClure’s role will be Principal-in-Charge.	
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).			
	Mr. McClure has over 40 years of experience in the design of roadways and bridges. He has designed and supervised multiple roadways 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, & I-59. This project was awarded the DOTD 2016 Transportation Excellence Award.			
12/22-10/24	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Mr. McClure serves as <i>Principal-in-Charge</i> for this project which includes identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. The contract consists of preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.			
03/21 – 01/25	H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – Mr. McClure served as <i>Lead Bridge Designer</i> 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.			
03/21-Present	20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements): East Baton Rouge Parish – Mr. McClure serves as <i>Principal-in-Charge</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 improve safety at the intersection 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.			
06/20-05/22	H.012588, H.012169, H.012587/ I-10 (Atchafalaya Basin Bridge to LA 415): West Baton Rouge and Iberville Parishes – Mr. McClure served as <i>Engineering Supervisor</i> for these improvements which involved the overlay and raising of the grade by 8”. The asphalt paving was tapered at bridges to allow for smooth transitions. DOTD design guidelines were followed to bring the interstate up to the guideline standards. Fill was used on fore slopes to tie in and match the new 8” overlay. Guardrail was replaced using MASH special details. Existing cable barrier was removed and replaced closer to the shoulder to improve maintenance. Underdrains and cross drains were modified as needed. These roadways were pavement preservation/restoration projects.			

10/16-08/19	H.011152 / I-12 Widening (US 190 to LA 59): <i>St. Tammany Parish</i> – Mr. McClure served as <i>Bridge Design Engineer</i> for this project. He designed all girders, column bents, spans, sign supports and all other aspects of the bridges. This section of I-12 (US 190 to LA 59) is being widened from 4 lanes to 6 lanes. Shread-Kuyrkendall's involvement is with the two bridges over US 190 as a subconsultant. This design includes 3 – 12 foot travel lanes, 12 foot inside shoulder and 12 foot outside shoulder. The design includes AASHTO Type II & Type IV P.S. Girders. Total length of the two bridges is 680 feet each.
10/12-Present On-Hold	H.009266 / I-10 (LA 73 to LA 30): <i>Ascension Parish</i> – Mr. McClure serves as <i>Engineering Supervisor</i> and <i>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.
10/10 – 04/26	H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: <i>East Baton Rouge Parish</i> – Mr. McClure served as <i>Engineer Supervisor</i> and <i>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 accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road. To accommodate the ramps, widening of I-10 was necessary. A Final Level 4 TMP was required for this project.
08/10-01/15	H.003107 / French Branch Bridge – West Pearl River Bridge (I-10 / I-12 / I-59): <i>St. Tammany Parish</i> – Mr. McClure served as <i>Engineering Supervisor</i> and <i>Lead Bridge Designer</i> . This project included the pavement preservation of the I-10 / I-12 / I-59 Interchange. The improvements and repairs included rubblization, pavement replacement, and overlay for cross slope correction. <i>This project was a pavement preservation/restoration project and awarded the DOTD 2016 Transportation Excellence Award.</i>
11/08-11/12	H.009064, H.009987, H.009717, H.009712 et. al / LADOTD Submerged Roads Program (Paths to Progress) (Phase A and Phase B): <i>Multiple Parishes</i> – Mr. McClure served as <i>Engineer Supervisor</i> for the repairing of urban roadways damaged during Hurricane Katrina. Recommended repairs for 25+ urban streets in Orleans, Jefferson, and St. Bernard Parishes. Identification of base failures, recommended repairs, development of typical sections, sequence of construction and quantities. These roadways were pavement preservation/restoration projects.
10/07- 01/10	258-32-0022 / Essen Lane (LA 3064 at Interstate 10): <i>East Baton Rouge Parish</i> – Mr. McClure served as <i>Engineering Supervisor</i> and oversaw QA/QC. This project includes the design for urban intersection improvements (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. This project is very similar to pavement preservation in that the roadway was widened along with pavement replacement.
02/04- 11/09	H.007154, H.007152, H.002303 / Central Thruway: <i>East Baton Rouge Parish</i> – Mr. McClure served as <i>Project Manager</i> and <i>Lead Bridge Design Engineer</i> . This project involved the design and construction of a 4-lane divided thruway for 5.2 miles on a new alignment including seven bridges. Also included in the scope of this project was a corridor study, an environmental assessment, topographic surveys, right-of-way maps and property surveys. Mr. McClure provided engineering design support and he developed all of the multiple alternatives during the environmental Stage 1 phase of the project

16. Staff Experience

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

Name	Niccola D. Gill, P.E.		Years of relevant experience with this employer	24
Title	SENIOR ENGINEER		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2002 / Civil Engineering	
Active registration number / state / expiration date			PE. 0032914 / LA / March 31, 2027	
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Ms. Gill's role will be Supervising Engineer and oversee QA/QC for this project.	
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).			
	Ms. Gill has been a Project Engineer/Design Engineer on multiple classes of roadways and various complex bridge structures for over 20 years with Shread-Kuyrkendall & Associates. She has designed and managed rural and urban Interstate, Arterials, and local roadway and bridge projects. She is very knowledgeable of DOTD standards and requirements and will serve as the Supervising Engineer overseeing the QA/QC for this project.			
12/22-10/24	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Ms. Gill serves as Engineering Supervisor and oversees the QA/QC for this project which includes identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. The contract consists of preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.			
03/21 – 01/25	H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – Ms. Gill served as Engineer Supervisor and Road Design Engineer 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.			
03/21-Present	20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements): East Baton Rouge Parish – Ms. Gill serves as Project Engineer 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 improve safety at the intersection 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.			
06/20-05/22	H.012588, H.012169, H.012587/ I-10 (Atchafalaya Basin Bridge to LA 415): West Baton Rouge and Iberville Parishes – Ms. Gill oversaw the QA/QC for these improvements which involved the overlay and raising of the grade by 8". The asphalt paving was tapered at bridges to allow for smooth transitions. DOTD design guidelines were followed to bring the interstate up to the guideline standards. Fill was used on fore slopes to tie in and match the new 8" overlay. Guardrail was replaced using MASH special details. Existing cable barrier was removed and replaced closer to the shoulder to improve maintenance. Underdrains and cross drains were modified as needed. These roadways were pavement preservation/restoration projects.			
04/14-12/23	H.004435 / LA 3241 (LA 36 to LA 435): St. Tammany Parish – Ms. Gill served as the Bridge Design Engineer 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) will be built for this project to span Bayou Lacombe at two different locations, each approximately 500' long, with Type III Girder Spans. 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. Ms. Gill was responsible for the design of the caps, Type III girders, deck, and other parts of the bridges in accordance with the most recent AASHTO LRFD requirements. Ms. Gill utilized LEAP software for all aspects of the bridge such as girders and caps. Additionally, she performed hydraulic analysis for the bridges using HEC-RAS software to establish the pile spacing and location of the bridges as well as velocities and scour potential.
10/16-08/19	H.011152 / I-12 Widening (US 190 to LA 59): <i>St. Tammany Parish</i> – Ms. Gill was a <i>Bridge Design Engineer</i> for this project. She designed girders, column bents, spans, sign supports and all other aspects of the bridges. This section of I-12 (US 190 to LA 59) is being widened from 4 lanes to 6 lanes. Shread-Kuyrkendall's involvement is with the two bridges over US 190 as a subconsultant. This design includes 3 – 12 foot travel lanes, 12 foot inside shoulder and 12 foot outside shoulder. The design includes AASHTO Type II & Type IV P.S. Girders. Total length of the two bridges is 680 feet each.
10/12-Present On-Hold	H.009266 / I-10 (LA 73 to LA 30): <i>Ascension Parish</i> – Ms. Gill serves as <i>Bridge Design Engineer and oversees QA/QC</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. Ms. Gill's responsibilities included assisting in the comprehensive bridge evaluation of three (3) existing structures, bridge design calculations, bridge quantities, and hydraulic analysis.
10/10-04/26	H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: <i>East Baton Rouge Parish</i> – Ms. Gill served as <i>Environmental Support and Hydraulic Design Engineer</i> . 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 accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road. To accommodate the ramps, widening of I-10 was necessary. A Final Level 4 TMP was required for this project. A rolling roadblock was used for demolition and girder placement. SKA 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. Ms. Gill provided engineering/environmental design support during the environmental Stage 1 phase of the project. She was responsible for the hydraulic design needed for the Wetlands Permit and she performed the hydraulic analysis for the Wards Creek Bridge at Pecue Lane as well as the entrance ramp bridge at I-10.
08/10-01/15	H.003107 / French Branch Bridge – West Pearl River Bridge (I-10 / I-12 / I-59): <i>St. Tammany Parish</i> – Ms. Gill performed roadway design and traffic control for the design of this project which included the pavement preservation of the I-10 / I-12 / I-59 Interchange. The improvements and repairs included rubblization, pavement replacement, and overlay for cross slope correction. She was responsible for preparing preliminary and final plans for this project. <i>This project was a pavement preservation/restoration project and awarded the DOTD 2016 Transportation Excellence Award.</i>
02/04- 11/09	H.007154, H.007152, H.002303 / Central Thruway: <i>East Baton Rouge Parish</i> – Ms. Gill performed roadway design, drainage design, and bridge hydraulic analysis for this project which involved the design and construction of a 4-lane divided thruway for 5.2 miles on a new alignment including seven bridges. Also included in the scope of this project was a corridor study, an environmental assessment, topographic surveys, right-of-way maps and property surveys. She was responsible for preparing preliminary and final plans for this project.

16. Staff Experience

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

Name	John P. Raymond, P.E.	Years of relevant experience with this employer	33
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, 2026		
Year registered	1998	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Meets the role for MPR 3 <i>Mr. Raymond's role will be Lead Road 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. Raymond has been a Project Manager/Road Design Engineer on multiple classes of roadways throughout his 33-year career with Shread-Kuyrkendall & Associates. He has designed and managed multiple roadway projects including pavement preservation projects, widening projects, new alignments, and intersection improvements throughout the state and is very knowledgeable of DOTD standards and requirements.</i>		
12/22-10/24	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Mr. Raymond serves as <i>Project Engineer</i> and is responsible for identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. He is responsible for preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.		
05/21-02/26	MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector: Ascension Parish – Mr. Raymond is <i>Project and Lead Road Design Engineer</i> . Mr. Raymond was responsible for the design of the multi-lane roundabout 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 multi-lane roundabout 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.		
06/20-05/22	H.012588, H.012169, H.012587/ I-10 (Atchafalaya Basin Bridge to LA 415): West Baton Rouge and Iberville Parishes – Mr. Raymond served as <i>Project Engineer</i> for these improvements which involved the overlay and raising of the grade by 8". The asphalt paving was tapered at bridges to allow for smooth transitions. DOTD design guidelines were followed to bring the interstate up to the guideline standards. Fill was used on fore slopes to tie in and match the new 8" overlay. Guardrail was replaced using MASH special details. Existing cable barrier was removed and replaced closer to the shoulder to improve maintenance. Underdrains and cross drains were modified as needed. These roadways were pavement preservation/restoration projects.		

01/20-05/22	MA-18-08/ Henry Road @ LA 930 Roundabout: Ascension Parish – Mr. Raymond was <i>Project and Lead Roadway Design Engineer</i> . He provided design for a single lane roundabout . This project included a roundabout at the intersection of Henry Road and LA 930 (Daigle Road) to replace the existing stop-controlled intersection with a proposed single lane roundabout. 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. This project required coordination with DOTD for the route LA 930.
06/18-04/22	H.001799 / LA 531 Overpass: Webster Parish – Mr. Raymond served as <i>Project and Lead Roadway Design Engineer</i> . The project consisted of roundabouts at the interstate ramp termini and the corresponding roadway tie-ins for the LA 531 bridge replacement. 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 included project management, geometric and hydraulic design, sequence of construction, design of superelevation, earthwork, and tabulation of quantities.
04/14-12/23	H.004435 / LA 3241 (LA 36 to LA 435): St. Tammany Parish – 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. 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. Mr. Raymond's responsibilities include project management, geometric and hydraulic design, sequence of construction, design of superelevation, earthwork, and tabulation of quantities.
10/12-Present On-Hold	H.009266 / I-10 (LA 73 to LA 30): Ascension Parish – 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.
10/10-04/26	H.013579, H.003047, & H.012290 / Pecue Lane / I-10 Interchange: East Baton Rouge Parish – 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 accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road. To accommodate the ramps, widening of I-10 was necessary.
11/08-11/12	H.009064, H.009987, H.009717, H.009712 et. al./ LADOTD Submerged Roads Program (Paths to Progress) (Phase A and Phase B): Multiple Parishes – Mr. Raymond designed and managed the repair of urban roadways damaged during Hurricane Katrina. Recommended repairs for 25+ urban streets in Orleans, Jefferson, and St. Bernard Parishes. Identification of base failures, recommended repairs, development of typical sections, sequence of construction and quantities. These roadways were pavement preservation/restoration projects .
10/07- 01/10	258-32-0022 / Essen Lane (LA 3064 at Interstate 10): East Baton Rouge Parish – Mr. Raymond served as <i>Road Design Engineer</i> . Mr. Raymond designed and managed urban intersection improvements (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. This project is very similar to pavement preservation in that the roadway was widened along with pavement replacement .
10/06- 08/07	258-31-0015 & 258-33-0006 / Burbank Drive / LA 42 (Bluebonnet to Highland): East Baton Rouge Parish – 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.

16. Staff Experience

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

Name	Darrell J. Moore, P.E.	Years of relevant experience with this employer	2
Title	SENIOR ENGINEER	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	B.S. / 1995 / Civil Engineering		
Active registration number / state / expiration date	PE. 0029346 / LA / March 31, 2027		
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	<i>Mr. Moore's role will be Road 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. Moore has 29 years of experience in project management, design, bidding, and construction support of roadway plans with DOTD. He has served as fact witness and technical expert in roadway design in tort cases against DOTD. He has represented DOTD in meetings with consultants, contractors, local, state, and federal agencies including public meetings and hearings. He has designed multiple roadway projects including pavement preservation projects, widening projects, new alignments, and intersection improvements throughout the state and is very knowledgeable of DOTD standards and requirements.</i>		
012/23-Present	20-CS-HC-0015 / Hennessey Blvd. – Perkins Rd. Connector (Perkins Rd. Improvements): East Baton Rouge Parish – Mr. Moore serves as Road Design Engineer for the Perkins Road Improvements Project, which consists of widening Perkins Rd. from Kenilworth Pkwy to approximately 700 feet east of Erica Stanford under the MOVEBR Program. The purpose of the project is to improve safety at the intersection of Perkins Rd. and Kenilworth Pkwy and the intersection of Perkins Rd and One Perkins Place. Additional turn lanes and thru lanes are being provided, along with sidewalks and Access Management is being implemented as part of this project. Mr. Moore's responsibilities include all design services including subsurface drainage design, geometrics, sidewalks and other tasks associated with completing Final Plans.		
08/23-02/26	MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector: Ascension Parish – Mr. Moore serves as Road Design Engineer. Mr. Moore assisted in the design of the multi-lane roundabout 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. Three 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. Access Management is being implemented due to the proximity of the roundabout to I-10 at LA 73. Mr. Moore's responsibilities include geometric and hydraulic design, sequence of construction, earthwork, and tabulation of quantities.		
02/02-08/04	H.000707 (SP 019-30-0016) / LA 964: LA 64 – E. Feliciana P.L.: East Baton Rouge Parish – Mr. Moore was the Engineer of Record for the reconstruction of 4.2 miles of LA 964 with the addition of left turn lanes at Rollins and Plains Port Hudson Roads. The project also involved approximately 0.5 mile of subsurface drainage and 3.9 miles of sidewalk. Special design consideration was required to avoid impacts at Buhler Plains and Azaela Rest Cemeteries.		
01/06-06/13	H.001263 (SP 052-30-0014) / LA 1: Mansura – Marksville: Avoyelles Parish – Mr. Moore was the Project Manager and Engineer of Record for the 3.8 mile widening of LA 1 to a five-lane section. The project included approximately 1.2 miles of subsurface drainage and sidewalks, traffic signals, and was bid with a Portland cement concrete alternate. Special consideration and involvement were required with the Tunica-		

	Biloxi Tribe, FHWA and the BIA as LA 1 traverses tribal land near the Paragon Casino. The Tribe and Wal-Mart were also in the process of developing a Cultural Resource Center and a new store, respectively, and coordination was required with their consultants to ensure the needs of all parties were met.
01/18-07/23	H.002337 / LA 327-S: Bayou Fountain: <i>East Baton Rouge Parish</i> - Mr. Moore was the <i>Project Manager</i> and supervised the design of 0.7 mile of subsurface drainage and sidewalk for LA 327-S (Gardere Lane). The project scope originally involved a bridge replacement, but an additional scope of 1.8 miles of overlay , subsurface and sidewalks was added as part of the Road Transfer Program. A CEA with the City/Parish of EBR was required to utilize a detour on local streets.
05/18-07/23	H.010815 & H.012842 / LA 124 Extension (Segments 1, 2 and 3): <i>Catahoula Parish</i> – Mr. Moore was the <i>Project Manager</i> and supervised the design of the first two projects of new State highway LA 124, as part of the DOTD Road Transfer Program. The entire LA 124 corridor will entail 12.2 miles across four projects. Segments 1, 2 and 3 involve upgrading an existing 3.3 mile private drive, 1.7 miles of existing LA 3102, and 2.6 miles of Parish Road to current DOTD design criteria. The hydraulic design presented challenges as there are rivers in the area and is subject to frequent backwater conditions. There is also a Larto Lake drawdown structure that required coordination with WLF. Other special environmental concerns impacting the design are present with WRP and CRP lands.
08/15-05/17	H.011897 / LA 30: Ashland Rd to Tanger Blvd and H.011873 / LA 30: Left TL @ Veterans Blvd: <i>Ascension Parish</i> – Mr. Moore was the <i>Project Manager</i> and supervised the concurrent design of two projects for interim alleviation of traffic congestion on LA 30. The first project consisted of a one mile continuous right turn lane near Tanger Mall involving traffic signals and was subsequently selected as an Asphalt Pilot Project. The second project was a left turn lane at Veterans Boulevard. The final roundabout configurations was designed by others.
10/20-07/23	H.010795 / LA 42: Roundabout at Joe Sevario Rd: <i>Ascension Parish</i> - Mr. Moore was the <i>Project Manager</i> and supervised the design of a single lane roundabout with subsurface drainage at the intersection of LA 42 and Joe Sevario Road.

16. Staff Experience

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

Name	Garrett J. Gilbert P.E.	Years of relevant experience with this employer	6
Title	CIVIL ENGINEER	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	B.S. / 2018 / Civil Engineering		
Active registration number / state / expiration date	PE. 0049387 / LA / March 31, 2027		
Year registered	2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	<i>Mr. Gilbert's role will be Road 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. Gilbert has been a Project Manager/Road Design Engineer on multiple classes of roadways including pavement preservation projects, widening projects, new alignments, and intersection improvements. He has experience with vertical alignments, joint layouts, drainage design, erosion control, sequence of construction, signing, earthwork, quantity estimates, and cost estimates for roadway projects.</i>		
12/22-10/24	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Mr. Gilbert assists in roadway design under the supervision of an P.E., which included the identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. The contract consists of preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.		
12/22-Present On-Hold	H.009266/ I-10: LA 73 to LA 30: East Baton Rouge Parish – 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.		
03/21 – 01/25	H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – 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.		
05/21-02/26	MA-20-01/ LA 73 Roundabout at Bluff Rd. Connector: Ascension Parish – 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.		

04/21-02/23	H.014051/ Lakewood Dr. Reconstruction: <i>St. Charles Parish</i> – Currently in construction, 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.
06/20-05/22	H.012588/H.012169/H.012587 I-10 Overlays Atchafalaya Basin Bridge To W End Of La 415: <i>Iberville/West Baton Rouge Parishes</i> – 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 were 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. These roadways were pavement preservation/restoration projects.
04/20-04/22	H.001799/ LA 531 Overpass: <i>Webster Parish</i> – The project consists of roundabouts at the interstate ramp 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. 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.
01/20-05/22	MA-18-08/ Henry Road @ LA 930 Roundabout: <i>Ascension Parish</i> – This project included a roundabout at the intersection of Henry Road and LA 930 (Daigle Road) to replace the existing stop-controlled intersection with a proposed single lane roundabout. LA 930 is a two-lane roadway running north-south at its intersection with Henry Road. This project required coordination with DOTD for the route LA 930. 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.
12/19-Present	MA-17-02/ Roddy Road Widening: US 61 TO LA 935: <i>Ascension Parish</i> – 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. Mr. Gilbert is not currently performing work on this project.
09/19-03/22	H.004435/ LA 3241: LA 36 TO LA 435: <i>St. Tammany Parish</i> – 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.
06/19-04/26	H.003047/ Pecue Lane/ I-10 Interchange (PHASE 3): <i>East Baton Rouge Parish</i> – 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 accelerated schedule as a result. The DDI includes full eastbound and westbound on and off ramps on I-10 and widens Pecue Lane to six lanes with a connector to Rieger Road. 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. Mr. Gilbert is not currently performing work on this project.
05/17-08/17 05/18- 08/18 01/19-06/19	Mississippi Department Of Transportation: Brookhaven Construction Office / Carthage Construction Office / Whitfield Construction Office: Mr. Gilbert interned with MDOT for two summers and was a full-time employee after graduation for five months. Mr. Gilbert worked for various MDOT construction offices which work to 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.

16. Staff Experience

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

Name	James Partin	Years of relevant experience with this employer	19
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).		
12/22-10/24	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Mr. Partin provides CADD work for this project which includes identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. The contract consists of preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.		
03/21 – 01/25	H.010155 / US 90: Rail Spur Removal SE of LA 85: Iberia Parish – Mr. Partin provided CADD work 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.		
05/21-02/26	MA-22-01/ LA 73 Roundabout at Bluff Rd. Connector: Ascension Parish – Mr. Partin provided CADD work for the design of the multi-lane roundabout 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 multi-lane roundabout 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.		
06/20-05/22	H.012588, H.012169, H.012587/ I-10 (Atchafalaya Basin Bridge to LA 415): West Baton Rouge and Iberville Parishes – Mr. Partin provided CADD work for these improvements which involved the overlay and raising of the grade by 8". The asphalt paving was tapered at bridges to allow for smooth transitions. DOTD design guidelines were followed to bring the interstate up to the guideline standards. Fill was used on fore slopes to tie in and match the new 8" overlay. Guardrail was replaced using MASH special details. Existing cable barrier was removed and replaced closer to the shoulder to improve maintenance. Underdrains and cross drains were modified as needed. These roadways were pavement preservation/restoration projects.		
04/14-12/23	H.004435 / LA 3241 (LA 36 to LA 435): St. Tammany Parish – Currently in the construction phase. Mr. Partin provided CADD work for this project which 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. 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.
08/10-01/15	H.003107 / French Branch Bridge – West Pearl River Bridge (I-10 / I-12 / I-59): <i>St. Tammany Parish</i> – Mr. Partin provided CADD work for this project which included the pavement preservation of the I-10 / I-12 / I-59 Interchange. The improvements and repairs included rubblization, pavement replacement, and overlay for cross slope correction. <i>This project was a pavement preservation/restoration project and awarded the DOTD 2016 Transportation Excellence Award.</i>
10/12-Present On-Hold	H.009266 / I-10 (LA 73 to LA 30): <i>Ascension Parish</i> – 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.
11/08-11/12	H.009064, H.009987, H.009717, H.009712 et. al./ LADOTD Submerged Roads Program (Paths to Progress) (Phase A and Phase B): <i>Multiple Parishes</i> – Mr. Partin was responsible for the CADD work for the repair of urban roadways damaged during Hurricane Katrina. Recommended repairs for 25+ urban streets in Orleans, Jefferson, and St. Bernard Parishes. Identification of base failures, recommended repairs, development of typical sections, sequence of construction and quantities. These roadways were pavement preservation/restoration projects.

16. Staff Experience

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

Name	Dianna Sherman	Years of relevant experience with this employer	9
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).		
12/22-12/23	H.015056, H.015058, H.015619 / IDIQ Pavement Preservation Contract: Vermillion and Evangeline Parishes – Ms. Sherman provides CADD work for this project which includes identification of base failures, recommended repairs, identify drainage improvements, development of typical sections, sequence of construction and quantities. The contract consists of preparing preliminary and final plans for the mill and overlay and reconstruction for the roadways associated with this IDID Pavement Preservation Contract. These roadways were pavement preservation/restoration projects.		
06/20-05/22	H.012588, H.012169, H.012587/ I-10 (Atchafalaya Basin Bridge to LA 415): West Baton Rouge and Iberville Parishes – Ms. Sherman provided CADD work for these improvements which involved the overlay and raising of the grade by 8". The asphalt paving was tapered at bridges to allow for smooth transitions. DOTD design guidelines were followed to bring the interstate up to the guideline standards. Fill was used on fore slopes to tie in and match the new 8" overlay. Guardrail was replaced using MASH special details. Existing cable barrier was removed and replaced closer to the shoulder to improve maintenance. Underdrains and cross drains were modified as needed. These roadways were pavement preservation/restoration projects.		
12/19-05/25	MA-17-02/ Roddy Road Widening: 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.		
06/17-On Hold	H.011923 / Hooper Rd Roundabout at Sullivan Rd (LA 408 at LA 3034): East Baton Rouge Parish – Shread-Kuyrkendall & Associates designed 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. Ms. Sherman assisted with the process of creating working draws for plan and profile sheets, typical sections, and geometric layout. Due to environmental concerns, this project has been put on hold.		
10/12-Present	H.009266 / I-10 (LA 73 to LA 30): 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 **Civil Design & Construction, Inc. (CD&C)**

Name	Karla E. Weston, PE		Years of relevant experience with this employer	21	
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 31010 / Louisiana / March 31, 2028		
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Mrs. Weston’s 27 years of experience with LADOTD and other municipal entities on transportation projects provides her the knowledge and ability to oversee the firms’ role as a sub-consultant and ensure the work is completed to LADOTD standards.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/16-09/19	H.003047 Pecue Lane/I-10 Interchange: Baton Rouge, LA – Mrs. Weston’s served as Principal-in-Charge for the firm’s role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.				
12/13 – 10/19	H.02960 Gramercy Bridge: St. James Parish, LA – 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	H.010620 I-49 Design Build: Lafayette, LA – 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	H.009288.5 LA 1 Railroad Bridge at DOW: WBR Parish, LA – 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 and coordination with prime consultant team.				
01/06 – 12/12	EBR City/parish Project No. 06-CS-HC-0018 Fairchild-Badley Roadway: EBR Parish, LA – 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	H.009104.5 - Sunshine Bridge Phase 2: Ascension Parish, LA – 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	Red River – Jackson Street Bridge: <i>Alexandria, LA</i> – Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract 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	H.009986 – Paths 2 Progress (Group 33): <i>Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes</i> – 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	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 (Group 29): <i>Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes</i> – 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.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Chris Ballard, PLS		Years of relevant experience with this employer	10	
Title	SURVEY 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 5033 / Louisiana / September 30, 2026		
Year registered	2010	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities.			Meets the role for MPR 4 <i>Mr. Ballard 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.</i>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
01/24 – Present	H.00512 LA1 LA415 Connector: Mr. Ballard serves as the Survey Manager on this roadway extension project. This project is an extension of LA415 over the Intercoastal Canal and ties back into LA 1 in Addis. It is approximately 3 miles in length. CD&C is providing the property survey and ROW Maps required for this new roadway.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Ballard is the Survey Manager for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	H.012027.5 - I-20 UPPR: Mr. Ballard is the Survey Manager for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				
09/18 – 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12: <i>West and East Baton Rouge, LA</i> – Mr. Ballard is the Survey 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	H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge): <i>Terrebonne Parish, LA</i> – Mr. Ballard is the Survey Manager for this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.				

02/19 – 09/19	Bridge Replacements in East Feliciana Parish: <i>Rural East Feliciana Parish, LA</i> – Mr. Ballard is the Survey Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
01/17 – 12/17	East Baton Rouge Parish Bridges: <i>East Baton Rouge Parish, LA</i> – In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey 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	H.012728.5 LA 443: Tangi River Bridge Replacement: <i>Tangipahoa Parish, LA</i> – 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	H.012650.5-1 District 62 Bridges: <i>Livingston and Tangipahoa Parishes, LA</i> – Mr. Ballard is the Survey Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 – 12/18	H.003184.5 I-10 Texas State Line – East of Coone Gully: <i>Calcasieu Parish, LA</i> – Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 – 08/16	H.005733.5 US 190 Superstreet: <i>St. Tammany Parish, LA</i> – Mr. Ballard served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included processing of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized 3D Terrestrial Scanning for the main route.
10/15 – 01/16	H.011773 Hanks Dr/Landis Drive Pedestrian Improvements: <i>East Baton Rouge Parish, LA</i> – 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	H.002372 LA 42 Widening and Improvements: <i>Ascension Parish, LA</i> – 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	H.010960.5-2, LA 30 Roundabout at Tanger I-10: <i>Ascension Parish, LA</i> – 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. (CD&C)**

Name	Madison Mills, PLS		Years of relevant experience with this employer	5	
Title	SURVEY PROJECT MANAGER		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering		
Active registration number / state / expiration date			PLS 5293/ Louisiana / March 31,2027		
Year registered	2022	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities.			Meets the role for MPR 4 Mr. Mills joined CD&C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Mills served as the Survey Project Manager on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Mills served as the Survey Project Manager on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
09/23 – 12/23	H.015619.5 LA 106: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015056 - LA 685: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	H.012027.5 I-20 UPRR: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				

08/22 – 02/23	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
09/21 – 03/22	H.014747 Southern University Ravine Protection, East Baton Rouge Parish: Mr. Mills served as a Survey Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning.
08/21 – Present	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Mills served as a Survey Tech for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Mills served as a Survey Tech for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
02/21 – 07/22	H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	H.013955 LA 961 Bride at Sandy Creek: West Feliciana Parish, LA – Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin: Pointe Coupee Parish, LA – Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
07/21 – 11/21	H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School: Baton Rouge, LA – Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
02/21 – 05/21	H.010108 Safe Routes to Schools – Independence Sidewalks: Baton Rouge, LA – Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
07/21 – 12/21	H.0014560.5 LA 94 Vermillion River: St. Martin Parish, LA – 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.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Chancey Cothren, LSI		Years of relevant experience with this employer	2	
Title	LAND SURVEY INTERN		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS / 2023 / Geomatics		
Active registration number / state / expiration date			LSI 0000776 / LA / March 31, 2028		
Year registered	2023	Discipline	Land Surveying Intern		
Contract role(s) / brief description of responsibilities			Mr. Cothren is a Land Surveying Intern. He will help manage field crews, process field crew data, and finalize deliverables.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Cothren served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Cothren served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
11/23 – 12/23	Gause Blvd / EI-10 Service Road: Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along EI-10 Service Rd. This project was completed using GPS and Total Staton. Project was completed to LADOTD Location and Survey Standards and practices.				
8/23 – 10/23	I-10 / LA-44: Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along I-10 and two miles along LA – 44. Data was collected using lidar and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.				
8/23	USACE: Mississippi river revetment restoration: Mr. Cothren was on the survey crew that performed the surveys needed to locate how much dirt needed to be removed when shaping the levee for the placement of the new revetments. This Project was completed to Louisiana Survey Standards and practices.				
6/23 – 8/23	LA-22: Mr. Cothren was on the survey crew that performed the topographic survey along LA-22. This survey was about four miles long and the data was collected using laser scanning, UAV lidar, and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.				
8/22 – 9/22	USACE: Mississippi river hydrographic survey: Mr. Cothren was on the survey crew that performed hydrographic surveys to locate any submerged obstructions in portions of the river. This project was completed using magnetometers and USV’s.				

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Bryan Bergeron		Years of relevant experience with this employer	2.5	
Title	SURVEY TECHNICIAN		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS / 2022 / Civil Engineering		
Active registration number / state / expiration date			813 / Louisiana / March 31, 2028		
Year registered	2025	Discipline	Land Surveying Intern		
Contract role(s) / brief description of responsibilities			<i>Mr. Bergeron joined Civil Design & Construction, Inc. in 2023 and serves as a Land Surveying Intern for the firm. Mr. Bergeron has worked to help manage field crews, process and compile control sketches for the project, processes field crew data daily to keep up with progress in the field, reviews topo data collected to create final punchlists for field crews to collect any data gaps, and works to finalize deliverables to the client.</i>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Bergeron served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Bergeron served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. He has helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015056 - LA 685: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. He has helped manage crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.				
08/23 – 12/23	H.015496 Sauvage Avenue and Caddy Drive Bridges: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for just over 2160 feet of roadway. Traditional means and methods were used to collect topographic data for this bridge improvement projects. He has helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.				
08/23 – 12/23	H.015498 Park Road Over Lagoon: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for just over 1040 feet of roadway. Traditional means and methods were used to collect topographic data for this bridge improvement project. He has helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.				

05/24 – Present	MOVEBR Lobdell Intersection: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for just over 1030 feet of roadway. Traditional means and methods are used to collect topographic data for this Property boundary survey. He will help manage crews, process field data, create punch-lists, and help complete the final deliverables to the client. Project will be completed to MOVEBR City-Parish Standards and practices.
07/24 – Present	MOVEBR Bayou Duplantier Boundary: Mr. Bergeron is the Survey Technician for this project. Topographic Survey for 200 acres of floodplains. Traditional means and methods are used to collect topographic data for this Property boundary survey. He will help manage crews, process field data, create punch-lists, and help complete the final deliverables to the client. Project will be completed to MOVEBR City-Parish Standards and practices.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Scott Benton		Years of experience with this firm/employer	10	
Title	SURVEY PROJECT MANAGER		Years of experience with other firm(s)/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			Mr. Benton has over 15 years of surveying experience and works for CD&C as a Survey Project Manager. He is also one of our Remote Sensing Technician and is a FAA Licensed Drone Pilot. His duties include managing all Remote Sensing work on topographic survey projects for the firm by organizing the field crews to obtain scans, processing the scan data in the office, and producing the final extracted data for import into design-related software.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Benton is the 3D Scanning Technician on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Benton is the 3D Scanning Technician on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015056 - LA 685: Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Benton is the 3D Scanning Technician on this project Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	H.012027.5 - I-20 UPPR: Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				

10/20 – 01/21	H.014302 US 165 Lighting: <i>Monroe, LA</i> – 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 – 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12: <i>West and East Baton Rouge, LA</i> – Mr. Benton served as a 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
03/14 – 06/14	H.008369 Cleo Road Roundabout: <i>St. Tammany Parish, LA</i> – Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13 – 07/13	H.009288 LA 1 Railroad Bridge at DOW: <i>West Baton Rouge, LA</i> – Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
02/13 – 06/13	H.005693 LA 447: <i>Walker, LA</i> – Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C’s responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.
10/14 – 12/14	H.011088.5 West Prien Lake: <i>Lake Charles, LA</i> – Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	H.010319.5 I-110 North St. to Plank Road: <i>Baton Rouge, LA</i> – 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. (CD&C)**

Name	Jacob Stoehr			Years of relevant experience with this employer	11	
Title	SURVEY PARTY CHIEF			Years of relevant experience with other employer(s)	1.5	
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				Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).					
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Stoehr served as Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.					
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Stoehr served as Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.					
02/23 – 12/23	H.012027 I 20: Union Pacific RR Overpass: 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	H.014747 Southern University Ravine Protection: East Baton Rouge Parish – 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	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 – 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 – 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12: West and East Baton Rouge, LA – 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 – 12/18	H.010960.5-2, LA 30 Roundabouts at Tanger I-10: Ascension Parish, LA – 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 – 01/18	H.011235 I-49 Verot School Road: Lafayette, LA – 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	Bridge Replacements in East Feliciana Parish: <i>Rural East Feliciana Parish, LA</i> – 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	H.003184.5 I-10 Texas State Line East of Coone Gully: 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. (CD&C)**

Name	Drennon Humphreys		Years of relevant experience with this employer	5	
Title	SURVEY PARTY CHIEF		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			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			Mr. Humphreys will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Humphreys served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Humphreys served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
09/23 – 12/23	H.015619.5 LA 106: Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015056 - LA 685: Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	H.012027.5 - I-20 UPRR: Mr. Humphreys served as a Party Chief for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				

08/22 – Present	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Humphreys is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.
01/21 – 06/21	H.013959 Reeds Bridge Rd. Calcasieu River Relief: <i>Allen Parish, LA</i> – Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.
02/21 – 05/21	H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek: <i>Allen Parish, LA</i> – Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.
02/21 – 01/22	Move BR: Lee Drive – Highland Rd. to Perkins Rd.: <i>Baton Rouge, LA</i> – Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 1.8 mile road improvement project as part of the Move BR infrastructure initiative.
04/21 – 12/21	Move BR: Hennessy Blvd. –Perkins Rd. to Picardy Ave.: <i>Baton Rouge, LA</i> – Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 0.4 mile road improvement project to create an underpass at the R/R crossing. This project is a part of the Move BR infrastructure initiative.
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Humphreys is working as a Instrument Man and now a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.
01/22 – 05/22	H.013956 Beamon Rd. Bayou Maringouin: <i>Pointe Coupee Parish, LA</i> – Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Alex Wells		Years of relevant experience with this employer	6	
Title	SURVEY PARTY CHIEF		Years of relevant experience with other employer(s)	0	
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			Mr. Wells joined CD&C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Wells served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Wells served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
09/23 – 12/23	H.015619.5 LA 106: Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
02/23 – 12/23	H.012027.5 - I-20 UPRR: Mr. Wells served as a Party Chief for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				
09/21 – 03/22	H.014747 Southern University Ravine Protection: East Baton Rouge Parish – Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				
08/21 – Present	H.011833.5 St. Mary Street Sidewalks: Scott, LA – Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.				

09/22 – 01/23	BRMA Northwest Aviation Development: Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 10/21	H.013989 Greybow Rd. Palmetto Creek: Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 04/21	H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge: <i>East Baton Rouge Parish</i> – Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
02/21 – 05/21	H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School: <i>Baton Rouge, LA</i> – Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/20 – 01/21	H.014302 US 165 Lighting: <i>Monroe, LA</i> – 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. (CD&C)**

Name	Hunter Smith		Years of relevant experience with this employer	4.5	
Title	SURVEY PARTY CHIEF		Years of relevant experience with other employer(s)	0	
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			Mr. Smith joined CD&C in 2022 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Smith served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Smith served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
12/23 – 05/23	H.012618 LA 347 Drainage Improvements: Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
09/23 – 12/23	H.015619.5 LA 106: Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015056 - LA 685: Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
09/21 – 03/22	H.014747 Southern University Ravine Protection: East Baton Rouge Parish – Mr. Smith served as an Instrument Man for this project. He helped in collecting of topographic data in the field utilizing LADOTD Field Codes.				
08/22 – Present	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Smith served as an Instrument Man for this project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.				

01/22-11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Smith served as an Instrument Man for this 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.
02/23 – 12/23	H.012027.5 - I-20 UPPR: Mr. Smith served as an Instrument Man for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Clarence J. Goodspeed		Years of relevant experience with this employer	4	
Title	SUE MANAGER		Years of relevant experience with other employer(s)	30	
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			Mr. Goodspeed has 30 years’ experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department.		
Experience dates (mm/yy – mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
12/24 – 04/25	H.014824.5 LA 317 - Wax Lake B: Mr. Goodspeed performed utility coordination for this project. CD&C was a sub-consultant and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.				
10/24 – 01/25	H.015849 US 190 R Cuts @ LA741: Mr. Goodspeed performed utility coordination for this project. CD&C was a sub-consultant and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.				
03/23 – Present	MSY Campus Wide Sewer Location: Mr. Goodspeed serves as the firms SUE PM for the project. CD&C is performing a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate it’s sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer forcemains are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.				
01/24 – 03/24	RN Nuccio Rd SUE: Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this bridge replacement project. CD&C, Inc. provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. provided all SUE reports and data.				
04/24 – 05/24	BRMA FAA Boring: Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this project. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.				
03/24 – Present	MSY East Apron Expansion: Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this project. This project includes the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.				
03/24 – 05/24	MSY Employee Parking: Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C’s SUE crews marked				

	underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
02/24 – 05/24	BRMA Radar Decomp: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
12/23 – 05/24	BRMA Taxiway F Reconstruction: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 25 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
05/23 – 06/23	West Broussard @ Duhon SUE: Mr. Goodspeed served as SUE Manager for the firm's SUE work on for this project. CD&C, Inc. provided SUE QL-A utility designation for approximately 2,000' of roadway. CD&C, Inc. provided all SUE reports and data.
09/22 – 01/23	BRMA Northwest Aviation Development: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel 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 standards set forth by City/Parish government for East Baton Rouge.
03/22 – 10/23	H.011833.5 St. Mary Street Sidewalks: <i>Scott, LA</i> – Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel 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.
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182: <i>Lafayette, LA</i> – Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel 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.
07/23 – Present	College Drive (MoveBR): Mr. Goodspeed serves as the firm's SUE Manager for the project. This project includes full topography and utility coordination for approximately 20 acres. He worked in the field to coordinate the collection of all the utility information and location for survey crews to incorporate utility information to a QL-D to QL-B level accuracy. An official SUE submittal was not required for this project. The final submittal is following standards set forth by the City/Parish government for EBR.
10/23 – Present	HMGP – FEMA Groom Road Brushy Bayou: Mr. Goodspeed served as the firm's SUE Manager for the project. This project included full SUE submittal for approximately 1 mile of roadway. He worked in the field to coordinate the collection of all the utility information and location for survey crews to collect data and incorporate it for the submittal of QL-B.
05/23 – 06/23	Burbank at Pelican Lakes: Mr. Goodspeed served as the firm's SUE Manager on this intersection improvement project in Baton Rouge. Location of all subsurface utilities were provided to QL-C.
01/23 – 07/23	Pride Port Hudson Road: Mr. Goodspeed served as the firm's SUE Manager for this project working to provide Utility Coordination and Utility mapping. Mr. Goodspeed worked with the local utility companies to locate their assets as much as possible. In instances where the utilities did not locate, Mr. Goodspeed secured as-built/record drawings and directed SUE field crews for the marking of those particular assets so that a topography survey could be completed. Mr. Goodspeed also served as a QC Check for all the utilities located by the survey crews and SUE Crew.

16. Staff Experience

Firm employed by **Civil Design & Construction, Inc. (CD&C)**

Name	Tracey Smith		Years of relevant experience with this employer	3.5	
Title	UTILITY COORDINATOR		Years of relevant experience with other employer(s)	24	
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			Mr. Smith has over 20 years' experience in underground utilities. Mr. Smith has worked in the gas field for 3 years and spent 19 years performing various underground utility locations and serving as a supervisor for a number of locate technicians.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of specified in the applicable MPR(s).				
05/23 – 08/23	H.015056 - LA 685: Mr. Smith served as the SUE Field Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
05/23 – 08/23	H.015058 - LA 14 Business: Mr. Smith served as the SUE Field Chief for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
03/23 – Present	MSY Campus Wide Sewer Location: Mr. Smith serves as the SUE field chief for the project. CD&C is performing a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate its sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer forcemains are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.				
01/24 – 03/24	RN Nuccio Rd SUE: Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this bridge replacement project. CD&C, Inc. provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. provided all SUE reports and data.				
04/24 – 05/24	BRMA FAA Boring: Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.				
03/24 – Present	MSY East Apron Expansion: Mr. Smith serves as the SUE Field Chief for the firm’s SUE work on this project. This project includes the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.				
03/24 – 05/24	MSY Employee Parking: Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.				

02/24 – 05/24	BRMA Radar Decomp: Mr. Smith served as the SUE Field Chief for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
12/23 – 05/24	BRMA Taxiway F Reconstruction: Mr. Smith served as the SUE Field Chief for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 25 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
09/22 – 01/23	BRMA Northwest Aviation Development: Mr. Smith served as the SUE Field Chief for the project. He is working in the field 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 standards set forth by City/Parish government for East Baton Rouge.
03/22 – 10/23	H.011833.5 St. Mary Street Sidewalks: <i>Scott, LA</i> – Mr. Smith served as the firm's SUE Field Chief for the project. He is working in the field 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.
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182: <i>Lafayette, LA</i> – Mr. Smith served as the SUE Field Chief for the project. He is working in the field 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.
07/23 – Present	College Drive (MoveBR): Mr. Smith serves as the SUE Field Chief for the project. This project included full topography and utility coordination for approximately 20 acres. He worked in the field to coordinate the collection of all the utility information and location for survey crews to incorporate utility information to a QLD to QLB level accuracy. An official SUE submittal was not required for this project. The final submittal was following standards set forth by the City/Parish government for EBR.
10/23 – Present	HMGP – FEMA Groom Road Brushy Bayou: Mr. Smith serves as the SUE Field Chief for the project. This project included full SUE submittal for approximately 1 mile of roadway. He worked in the field to coordinate the collection of all the utility information and location for survey crews to collect data and incorporate it for the submittal of QLB.
05/23 – 06-23	Burbank at Pelican Lakes: Mr. Smith served as the SUE Field Chief on this intersection improvement project in Baton Rouge. Location of all subsurface utilities were provided to QLD.
01/23 – 07/23	Pride Port Hudson Road: Mr. Smith served as the SUE Field Chief for this project. Mr. Smith worked with the local utility companies. In instances where the utilities did not locate, Mr. Smith assisted in securing as-built/record drawings. Mr. Smith marked those assets so that a complete topography survey could be completed.

16. Staff Experience

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

Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	10
Title	SUPERVISOR-ENG	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	B.S. / 1988 / Civil Engineer		
Active registration number / state / expiration date	PE. 0025383 / LA 09/30/2027		
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities	Meets the role for MPR 5 Traffic Control / Signal Design and Construction Support Supervisor		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/21 - On-going	H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals . 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 – Present	MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. 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 – Present	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA) Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes 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 DOTD.		
09/20 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA) 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 replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.		
07/18 – 04/19	LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans 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 traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses . 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	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street . From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.		
08/15-05/17	Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission Rockville, MD) Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 “Criteria for Development of Evacuation Time Estimate Studies” in support of the 2020 update of ETES. Specifically, Brin was the lead VISSIM modeler for the “large” population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.		



04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA) As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections 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	EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA) Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals . 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	SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA) Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals . 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	S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA) 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, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout . Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA) Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate . 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	EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA) Brin was the project engineer for the design of 66 signalized intersections 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	Laurence Lucius Lambert, II, PE, PTOE, PTP	Years of relevant experience with this employer	10
Title	SUPERVISOR-ENG	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	B.S./1997/Civil Engr. M.S./2006/Civil Engineer (Transportation focus) M.B.A./2010		
Active registration number / state / expiration date	PE.0029901 / LA / 3/31/2028		
Year registered	Civil	Discipline	Civil
Contract role(s) / brief description of responsibilities	Meets the role for MPR 5 Traffic Study and TMP Supervisor		



Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/23 – 11/23	H.015504.5 CCC Decorative Lighting Level 4 TMP (New Orleans, LA) Laurence was the project manager for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any “hot spots”. The results were summarized in a report that was reviewed by DOTD.
12/21 – Present	H.012030.5 US 371 KCS RR Overpasses HBI (Webster Parish, LA) Laurence was the project manager for the design of permanent pavement marking and signing sheets for the construction plans in MicroStation. He will also participate in the QC of the sequence of construction and detour route.
06/21 – 02/22	H.013267 Capital Area Pathways Project (Baton Rouge, LA) Laurence was project manager for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The traffic study included traffic data collection, safety analysis, existing conditions analysis and alternative analysis . Laurence used the DOTD Traffic Engineering Manual, MUTCD, and FHWA guidance to develop the most effective trail crossing alternatives.
07/19 – Present	MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model 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 provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
02/21 - 03/21	H.013256.5 I-10 ITS Scott to Lake Charles (Southwest Louisiana) Laurence was the lead traffic engineer for a Level 2 TMP 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.
04/18 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales (Ascension, LA) Laurence provided a Quality Control review of the temporary construction and sequence of construction plans . Vectura also 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 MUTCD details on roundabouts.
04/18 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA) Laurence provided a Quality Control review of the temporary construction and sequence of construction plans . Vectura also 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 MUTCD details on roundabouts.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA) Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required . 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.
10/17 - 10/18	H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA) Laurence was the lead transportation engineer for a Corridor Planning Study 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 roundabout controlled alternatives. Included in the study was a safety analyses 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.

09/16 - 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA) Laurence was the lead traffic engineer for a DOTD traffic study 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 from the travel demand 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 that included the I-12 interchange ramps. Laurence collected 7-day, 24-hour counts 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	FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Multiple States) 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, roundabouts, roundabout interchanges, DLTs, DDIs, J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools (CAP-X) 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	H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA) Laurence performed a Stage 0 Feasibility Study for roundabouts 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, collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines . Once the traffic data was collected, Laurence performed traffic signal warrants analyses , 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	S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA) This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0 , 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).
11/09 – 08/10	I-12 at Millerville Road Interchange Modification Request (Baton Rouge, LA) The scope of this project consisted of preparing and obtaining environmental clearance for the proposed future roadway and signal improvements at the I-12 / Millerville Road Interchange. Laurence prepared documents and obtained environmental clearance for all on-site work and held public meetings. Laurence developed all HCS analyses and a micro-simulation model. Laurence also participated in several public meetings to satisfy the environmental clearance requirements.
09/06 - 09/07	EBR 06-CS-HC-00012 Downtown Baton Rouge Signal Project (Baton Rouge) Laurence was the Project Manager to develop construction plans to upgrade 29 signals in downtown Baton Rouge as part of the EBR Green Light Plan. Laurence developed a design study that included traffic data collection , handicap ramp recommendations, countdown pedestrian signals and internally illuminated street name signs.
04/04 - 09/06	Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA) Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed On-going and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections , basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.
04/04 - 12/04	I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen (Baton Rouge, LA) Laurence provided the traffic analysis for a highly unique reconfiguration of interstate ramps 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.

16. Staff Experience

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

Name	Reece Rodrigue, PE, PTOE, RSP1		Years of relevant experience with this employer	6
Title	ENGINEER		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			B.S./2013/Civil Engineer	
Active registration number / state / expiration date			PE.0042074 / LA / 3/31/2028	
Year registered	Civil	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Traffic Control / Signal Design and Construction Support Lead	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/21 - Present	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA 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.			
06/23 - Present	H.012845.1 Connected & Autonomous Vehicles (C/AV) Team and Working Group Support Reece is a member of the team to develop new policies and legislation related to C/AV.			
06/23 - Present	H.011507.1 Monroe Phase 3 SEA Reece visited the project site to document the controller type and detection needs at each signalized intersection within the right-of-way.			
07/21 - Present	H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, Louisiana) Reece is part of the team responsible for Construction Engineering and Inspection. 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.			
01/23 – 02/24	H.011504 Alexandria ITS Phase 2 Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.			
06/22 – 02/23	H.012381.5 ITS Fiber Management System Data Collection Reece performed the field observations for 40 sites to verify the ITS FMS and inventory services.			
04/20 - Present	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA) Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Rd. 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 that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the 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. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.			
01/21 – 05/21	H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes) 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 DOTD’s Bid Tabulation and Cost Estimating Tool.			
09/20 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish) Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout 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.			
09/20 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish) Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabouts 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.
11/21 – 12/21	Emergency Street Light and Traffic Sign Assessment (New Orleans, LA) In response to the damage caused by Hurricane Ida, Reece inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA) Reece was the task leader for organizing and formatting the data collection 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	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA 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	H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish) Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD 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	Ochsner Main Campus Traffic Signals (Jefferson Parish) Reece served as a design engineer for the traffic signal plans 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 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	Loyola Interchange Modification Request, Kenner, LA 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	H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3 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	Kristen Farrington, PE, PTOE, RSP1		Years of relevant experience with this employer	5
Title	ENGINEER		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engineer	
Active registration number / state / expiration date			PE.0042785 / LA / 3/31/2027	
Year registered	Civil	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Traffic Study and TMP Supervisor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/23 – Present	H.972501.1 South Range Road Stage 0 (Tangipahoa Parish, LA) Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.			
05/23 – 05/24	US 190B/Fremaux Ave Sidewalk Feasibility Study (Slidell, LA) As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.			
04/22 – 11/23	H.013267 Capital Area Pathways Project (Baton Rouge, LA) Kristen is the lead designer for four pedestrian hybrid beacons (PHB’s) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB’s are a new traffic control device for DOTD. Prior to the design of the PHB’s, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, DOTD and MUTCD guidance.			
09/17 – 09/18	H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) (Ascension Parish) Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 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.			
04/18 – 04/19	H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish) Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 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 DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.			
04/19 – 6/21	H.013817.1 A 117 Improvements Stage 0 (Vernon and Natchitoches Parishes) Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane highway. 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.			
03/19 – 11/19	H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA) Kristen was the task leader for the preparation of a Stage 0 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 the 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.			
11/18 - 3/21	H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA) 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 unmet demand observations and calculations . 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.
04/18 – 04/19	H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA) Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 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.
09/17 – 09/18	H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA) Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 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.
11/16 – 07/17	H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives , and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

16. Staff Experience

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

Name	Ronald St. Angelo	Years of relevant experience with this employer	4
Title	SENIOR TECHNICIAN	Years of relevant experience with other employer(s)	48
Degree(s) / Years / Specialization	High School Diploma / 1975		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	Civil
Contract role(s) / brief description of responsibilities	<i>Senior-level Construction Specialist for traffic signals, lighting, and ITS</i>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/25 – Current	23-EN-HC-0019 Bluebonnet Blvd. Mid-Block Pedestrian Crossing (Baton Rouge, LA) Ronnie contributed to Construction Engineering & Inspection (CEI) efforts for the Bluebonnet Pedestrian Hybrid Beacon installation, supporting coordination, documentation, and agency compliance across multiple phases. Responsibilities included: - Participating in preconstruction meetings and coordinating with EBR TED, consultants, and contractors on shop drawing reviews, pole relocation, and drainage concerns. - Reviewing and submitting shop drawing packages, including mast arm, luminaire, and concrete mix designs, while tracking submittal statuses and outstanding items in E-builder. - Collaborating with project stakeholders to troubleshoot field issues such as mast arm placement, curb revisions, and sight distance limitations due to median vegetation. - Preparing redlines and plan revisions for the contractor, updating field book entries, and validating revised quantities and pay items for agency submission. Conducting field visits to observe contractor work and ensure constructability, design intent, and documentation throughout the project sequence.		
07/21 - current	H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) Ronnie provided technical assistance in the field for the Construction Engineering and Inspection of 24 traffic signals. Ronnie assisted with the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Ronnie along with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
06/23 - Current	EBR Direct Select Signal Design Phases 1 & 2 (Baton Rouge, LA) Ronnie’s work focused on reviewing and refining signal plans, ensuring all comments and changes were addressed. Responsibilities included developing accurate cost estimates, checking quantities, and working on the signal budget. Ronnie coordinated phasing and splits, discussed power and cabinet locations, and verified plan details through multiple reviews. Field activities involved site visits to inspect ITS cabinets, take quadrant photos, and locate the fiber junction box at Bluebonnet and Celtic. These efforts ensured proper planning, accurate budgeting, and readiness for implementation.		
07/19 – current	MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) Ronnie is responsible for coordinating and executing tasks related to traffic signal design, fiber optic infrastructure, and city standard details for transportation projects. This includes field inspections of fiber in junction boxes and cabinets at multiple locations such as Bluebonnet, Floynell, Perkins corridors, and other designated sites to verify fiber type and routing. Ronnie collaborates extensively with stakeholders including EBR TED, City BR representatives, DOTD, and contractors to review and update traffic signal plans, pole foundation layouts, and equipment specifications. Duties involve preparing and marking up signal phasing plans, updating pay item lists, and ensuring compliance with city and DOTD standards. Ronnie also participates in meetings to resolve technical issues related to signal pole clearances, luminaire integration, controller cabinet configurations, and pedestrian crossing layouts. Additional responsibilities include reviewing shop drawings, documenting existing trunk lines, and providing input on standard detail revisions for traffic signals and street lighting systems.		

04/20 - Current	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA) Ronnie is responsible for reviewing temporary traffic signal plans to ensure accuracy and compliance, which has been done multiple times throughout the project. In addition to plan reviews, Ronnie worked on laying out mast arms for the permanent signal and configuring temporary signal strain poles. Coordination has been a key part of the process, involving collaboration with Reece to address design and implementation details. Ronnie also engaged with the contractor to monitor drilling operations for mast arm foundations and confirm scheduling for drill shafts and concrete pours. These efforts aim to maintain traffic safety and ensure timely installation of both temporary and permanent signal systems.
03/24 - Current	16-CI-US-0032 Baton Rouge Bus Rapid Transit Project (Nicholson Dr. – Florida Blvd. – Plank Rd.) (Baton Rouge, LA) Ronnie is responsible for coordinating and overseeing field and office activities related to signal and streetlight installation for the BRT and corridor improvement projects. Duties include conducting field visits for pole stakeouts, verifying utility conflicts, and laying out pole and signal foundations at multiple intersections along Plank Road and Florida Boulevard. Ronnie manages redlining of intersection drawings, tracks changes, and updates signal quantities based on site conditions. He facilitates bi-weekly meetings, communicates with contractors, utility companies, and manufacturers, and ensures compliance with specifications for pole submittals and foundations. Additional responsibilities include logging daily contractor work, resolving right-of-way and utility relocation issues, and reviewing pay quantities and revised plans. Ronnie plays a key role in coordinating with project stakeholders to address design adjustments, utility conflicts, and installation challenges to maintain project timelines and quality standards.
02/03 – 04/23	Jack B Harper Electrical, LLC (Walker, LA) Ronnie specialized in programming traffic signal controls / ITS equipment and troubleshooting construction issues in the field such as utility conflicts and traffic signal issues. He was a project manager for numerous traffic signal related projects and oversaw a team of field technicians for signal related construction projects. He was an estimator for bidding traffic signal / ITS equipment projects. Ronnie worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal / ITS projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, Ronnie worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Ronnie read and interpreted construction plans to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. He also assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.
07/75 – 01/03	East Baton Rouge Traffic Engineering Division Ronnie was a certified IMSA Level 1 & 2 Technician while employed at the City of Baton Rouge. Ronnie performed numerous construction tasks in relation to traffic signals within East Baton Rouge Parish. Construction included traffic signal poles, signal heads, signal wiring, vehicle detection, traffic signal controller / cabinet power service. In the earlier part of his career, the traffic signal controllers consisted of mechanical parts. As time progressed, the controller evolved to steady-state technology. In addition, Ronnie performed traffic signal tasks related to maintenance after damage from collisions or extreme weather. While employed in the city, Ronnie was tasked with maintaining over 300 signals that included DOTD intersections. Ronnie started his career at the City of Baton Rouge as a Technician, then Traffic Signal Technician, then Foreman and finally a supervisor. Ronnie was also responsible for programming traffic signal controllers while at the City.

16. Staff Experience

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

Name	David Watkins		Years of relevant experience with this employer	3
Title	INSPECTOR		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization			High School Diploma / 1978	
Active registration number / state / expiration date				
Year registered		Discipline	Civil	
Contract role(s) / brief description of responsibilities			Senior-level Construction Specialist for traffic signals, lighting, and ITS	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
03/24 - Current	16-CI-US-0032 Baton Rouge Bus Rapid Transit Project (Nicholson Dr. – Florida Blvd. – Plank Rd.) (Baton Rouge, LA) David performed comprehensive field and office activities focused on power and signal service pole installations along Florida Street, Plank Road, and adjacent intersections. Key tasks include staking out pole foundations, inspecting and photographing power service poles, and coordinating with utility providers and contractors (ATT, Entergy, Gas, Hard Rock, Jack Harper Electric). Field operations covered drilling and forming 30"–48" diameter foundations, resolving utility conflicts (water, gas, fiber), and monitoring concrete pours. Office duties included downloading and labeling photos, updating daily logs, and reconciling quantities for mast arms and foundations. Coordination meetings with team members ensured accurate reporting and scheduling. Work spanned multiple intersections such as Florida St at 22nd, North St, Fuqua St, Pawnee/Fairfield, Chippewa St, Mohican St, Lorraine St, and Dawson St, with activities ranging from utility checks to final foundation installations.			
07/21 - current	H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA) David participated in multiple site and field activities focused on final inspections and verification tasks. Responsibilities included conducting Final Inspection Field Visits, assisting in the development of detailed punch lists, and performing final field verification to ensure compliance with project specifications. Additionally, David supported fiber inspection, track sampling, and reviewed test results during site visits to confirm installation quality and adherence to standards. These efforts were critical in preparing the project for closeout and ensuring all outstanding issues were identified and addressed before final acceptance.			
06/23 – 08/23	H.011507.1 Monroe Phase 3 SEA David spent several days in Monroe conducting field verification and documentation tasks. The primary responsibilities included photographing control cabinets and traffic signal installations to ensure accurate visual records. While David focused on capturing and organizing photographic documentation. After completing the site work in Monroe, David returned to the Baton Rouge office, finalized photo transfers. These activities supported quality assurance and project closeout requirements.			
11/06 – 02/23	Jack B Harper Electrical, LLC (Walker, LA) David worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, David worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted blueprints to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. He also assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.			

03/01 – 10/06	Dave's Electric (Denham Springs, LA) David conducted electrical work on numerous residential and commercial job assignments. He was responsible for installing all wiring and electrical components as directed by site blueprints; installed all circuits and electrical items during multi-phasal construction projects (i.e rough-in; trim-out); conducted final walk-through inspection; completed punch list items as required. David was also assigned as site lead during most job assignments.
01/96 – 04/01	Diamond Electric Company, Inc. (Baton Rouge, LA) David performed duties as a Traffic Signal Technician Level I that included technical work in the construction, installation, maintenance, and repair of traffic signal systems. David also developed the ability to read and interpret blueprints during this time. Maintained electrical experience while working on roadways requiring traffic control. David also performed technical tasks to maintain and install all traffic signals, signal systems, signs, and associated traffic equipment. He delivered and set-up barricades for work zones, detours, and other areas in need of barricades; assisted with traffic control as needed. David performed related technical tasks; worked with contractors on the installation and relocation of traffic signals and components.

16. Staff Experience

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

Name	Gustavo Clavijo		Years of relevant experience with this employer	3
Title	SUPERVISOR – OTHER		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			B.S./ 2011/ Business Administration	
Active registration number / state / expiration date				
Year registered	N/A	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Data Collection Lead	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/25 – 07/25	Driftwood LNG Data Collection (Lake Charles, LA) Gustavo scheduled and managed the traffic data collection efforts for 2 7-day classification counts, 93 approach counts and 33 turning movement counts with unmet demand. 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.			
08/24 – 12/24	Monroe Street Corridor Study (Mandeville, LA) Gustavo scheduled and managed the traffic data collection efforts for 16 7-day classification counts and 30 turning movement counts with field observations. 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.			
6/24 – 04/25	City of New Orleans Speed Management Program (New Orleans, LA) Gustavo scheduled and managed the traffic data collection efforts for this contract which included 48-hr speed studies for 60 segments throughout the City of New Orleans. Gustavo assisted in the equipment set-up/tear-down as well as the post processing of all radar sensor data and ensured that the data collection portion of the project was completed effectively and before the deadline.			
11/23 – 01/24	Traffic Impact Study for Waste Site (Lake Charles, LA) Gustavo scheduled and managed the traffic data collection efforts for 2 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 – 01/24	Distribution Center Traffic Impact Study (Elmwood, LA) Gustavo scheduled and managed the traffic data collection efforts for 2 7-day classification counts and 9 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 – 01/24	US 190B /Fremaux Ave. Sidewalk Feasibility Study (Slidell, LA) Gustavo scheduled and managed the traffic data collection efforts for 2 7-day classification counts, 2 7-day ped and bike counts, 6 turning movement counts, 3 turning movement counts with demand and 3 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	I-10 Calcasieu River Bridge (Lake Charles, LA) 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	Ardenwood Dr Traffic Counts (Baton Rouge, LA) 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 4 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	US 190 Traffic Counts (Mandeville, LA) 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 **APS Engineering and Testing, LLC**

Name	Sergio Aviles, P.E., M.ASCE		Years of relevant experience with this employer	14
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, 2028	
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Project Manager/Design Guidance/Field Crew and Lab Management.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
	Mr. Aviles has over 20 years of experience in geotechnical and civil engineering. After founding A P S Engineering and Testing eleven years ago, he continued his work throughout Louisiana working with both government and private entities. Mr. Aviles has extensive experience in design and construction supervision of roadway projects in the state. He has frequently worked with LADOTD performing slope stability analysis, embankment settlement calculations, mechanically stabilized earthen wall design, sheet pile design and pile testing. Mr. Aviles is also proficient in the use of AutoCAD Civil 3D which he utilizes in the design of projects.			
08/24–Present	Project H.014545.6: LA 454 Wiggins Bayou: The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues. Mr. Aviles was the Project Manager for the Project Design Team.			
03/23–Present	Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures A P S is currently proving PDA testing. Mr. Aviles was the Project Manager for the Project Design Team.			
11/22– 10/24	Project No. H.001344 US 190: LA 437 to US 190 BUS: 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Aviles was the Project Manager for the Project Design Team.			
01/22–5/24	Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: 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. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDAs during construction monitoring. Mr. Aviles was the Project Manager for the Project Design Team.			
09/21–05/24	Port Hudson-Pride Road (LA-964 – LA-19) The scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Project Manager for the Project Design Team.			

03/21–11/22	Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.): The scope of this project included subsurface exploration of conditions at the site to enable an evaluation of an acceptable foundation for the proposed pavement and the new bridge. Mr. Aviles was the Project Manager for the Project Design Team.
11/19–Present	Project No. H.010155: US 90 Railroad Overpass SE of LA 85: A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Aviles was the Project Manager for the Project Design Team.
05/19–Present	Phase II Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon): The purpose is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Aviles was the Project Manager for the Project Design Team.
04/19–Present	Project No. H.011795: Westwood Drive (WB Expressway to Lapalco): The purpose is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures.
01/19–Present	Project No.2012-FEMA-1B-1: Westend Group: The scope includes is to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Aviles was the Project Manager for the Project Design Team.
05/18–12/20	Project No.H.009250: I-10: Highland to LA 73: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Aviles was the Project Manager for the Project Design Team.
04/18–11/18	Phase I Project No. H.011798: Airline Park Blvd: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Aviles was the Project Manager for the Project Design Team.
03/15-04/15	Holly Drive Bridge Replacement- St. Tammany Parish: The scope included geotechnical investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles LRFD vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Aviles was the Principal Engineer for the Geotechnical Investigation.
10/12-07/13	Lakeview Street Reconstruction, New Orleans - Scope of this project included subsurface investigation and geotechnical recommendations for the street improvement program encompassing numerous blocks of roadway. A P S drilled and sampled a total of 292 borings throughout the Lakeview neighborhood. Mr. Aviles was the Project Manager for all Geotechnical services.
	TRAINING: NHI certifications Courses: Design & Implementation of Erosion & Sediment Control, Driven Pile Foundation Inspection and Design, Drilled Shaft Inspection, Design of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, and Design of Drilled Shafts Foundation. Pile Dynamic Analysis (PDA), WEAP, & CAPWAP Microsoft Visual Studio .NET programming course at LSU, and Microsoft Office Suite. WorkZone Traffic Technician and Flagger Certifications

16. Staff Experience

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

Name	Sairam (Sai) Eddanaudi, M.E., P.E.		Years of relevant experience with this employer	14
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, 2028	
Year registered	2008	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Design Engineer / Laboratory QA Manager	
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).			
	Mr. Sairam (Sai) Eddanapudi is the Senior Geotechnical Engineer for A P S Engineering and Testing. He has over 20 years of experience in the geotechnical and civil engineering fields. 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.			
08/24–Present	Project H.014545.6: LA 454 Wiggins Bayou: The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.			
03/23–Present	Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures A P S is currently proving PDA testing. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.			
11/22– 10/24	Project No. H.001344 US 190: LA 437 to US 190 BUS: 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.			
01/22–5/24	Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: 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. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDAs during construction monitoring. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.			

09/21–05/24	Port Hudson-Pride Road (LA-964 – LA-19) The scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
11/19–Present	Project No. H.010155: US 90 Railroad Overpass SE of LA 85: A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
05/19–Present	Phase II Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon): The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
04/19–Present	Project No. H.011795: Westwood Drive (WB Expressway to Lapalco): The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
01/19–Present	Project No.2012-FEMA-1B-1: Westend Group: The purpose was to conducted testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
05/18–12/20	Project No.H.009250: I-10: Highland to LA 73: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. Mr. Sai is the Chief Engineer to the Geotechnical Investigations.
04/18–11/18	Phase I Project No. H.011798: Airline Park Blvd: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structure. Mr. Sai was an Engineer to the Geotechnical Investigation.
03/15-04/15	Holly Drive Bridge Replacement- St. Tammany Parish: The scope included geotechnical investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles LRFD vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Mr. Sai was the Project Manager for the Geotechnical Investigation.
10/12-07/13	Lakeview Street Reconstruction, New Orleans - Scope of this project included subsurface investigation and geotechnical recommendations for the street improvement program encompassing numerous blocks of roadway. A P S drilled and sampled a total of 292 borings throughout the Lakeview neighborhood. Mr. Sai was an Engineer to the Geotechnical Investigation.

16. Staff Experience

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

Name	Surendra Pathak, M.S., P.E.	Years of relevant experience with this employer	11
Title	GEOTECHNICAL 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. 0043487 / LA/ September 30, 2027		
Year registered	2019	Discipline	Civil
Contract role(s) / brief description of responsibilities	<i>Design Engineer / QA-QC Field Testing / Laboratory QA</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 Engineering and Testing. He has over 15 years in the geotechnical and civil engineering fields. 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>		
08/24–Present	Project H.014545.6: LA 454 Wiggins Bayou: The scope includes reviewing pile drive submittals (including pile driving installation and &RFIs, performing WEAP analysis, pile monitoring, CAPWAP analysis, and troubleshooting pile driving and sheeting installation issues. Mr. Pathak is the Senior Engineer for the Project Design Team.		
03/23–Present	Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures A P S is currently proving PDA testing. Mr. Pathak is the Senior Engineer for the Project Design Team.		
11/22– 10/24	Project No. H.001344 US 190: LA 437 to US 190 BUS: 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 foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Mr. Pathak is the Senior Engineer for the Project Design Team.		
01/22–5/24	Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: 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. The scope also included conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed roadway structures. A P S performed a total of 4 PDAs during construction monitoring. Mr. Pathak was the Senior Engineer for the Project Design Team.		
09/21–05/24	Port Hudson-Pride Road (LA-964 – LA-19) The scope included geotechnical investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was the Senior Engineer for the Project Design Team.		

11/19–Present	Project No. H.010155: US 90 Railroad Overpass SE of LA 85: A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of six (6) deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak was the Senior Engineer for the Project Design Team.
05/18–12/20	Project No.H.009250: I-10: Highland to LA 73: The purpose was to conduct testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures.
10/12-07/13	Lakeview Street Reconstruction, New Orleans - Scope of this project included subsurface investigation and geotechnical recommendations for the street improvement program encompassing numerous blocks of roadway. A P S drilled and sampled a total of 292 borings throughout the Lakeview neighborhood. Mr. Pathak was an Engineer to the Geotechnical Investigation.

16. Staff Experience

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

Name	Joseph Layton	Years of relevant experience with this employer	5
Title	SENIOR TECHNICIAN	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization	Density Testing Embankment and Base Course (C 0303B) Nuclear Gauge Safety Certification ACI Certified		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	<i>Senior Field Technician</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).		
11/21-Present	Project No. H.013897: College Drive Flyover- The scope includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.		
11/19-Present	Project No. H.008145.8: LA 1 Golden Meadow to Leeville- The purpose is to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.		
01/23-Present	Project No. 011098.6: LA 30 South Blvd. to W. Chimes St.- The purpose is to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton is the senior field technician on site assign to perform testing for this project.		
05/18-01/20	Project No. H.009250: I-10- Highland to LA 73- The purpose was to conduct testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.		
01/19- 11/20	Project No. 2012-FEMA-1B-1-Westend Group- The purpose was to conducted testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.		
04/19 -06/20	Project No. H.011795: Westwood Drive (WB Expressway to Lapalco)- The purpose was to conduct testing on the subsurface, base course, and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.		
05/19 -12/20	Project No. H.011798: Airline Park Blvd (Camphor-West Napoleon) Phase II- The purpose was to conduct testing on the subsurface, base course and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.		
04/18 – 12/20	Project No. H.011798: Airline Park Blvd I- The purpose was to conduct testing on the subsurface, base course and concrete placement at the site to enable an evaluation of an acceptable standards for the proposed roadway structures. Mr. Layton was the senior field technician on site assign to perform all field testing for this project.		

17. Firm Experience

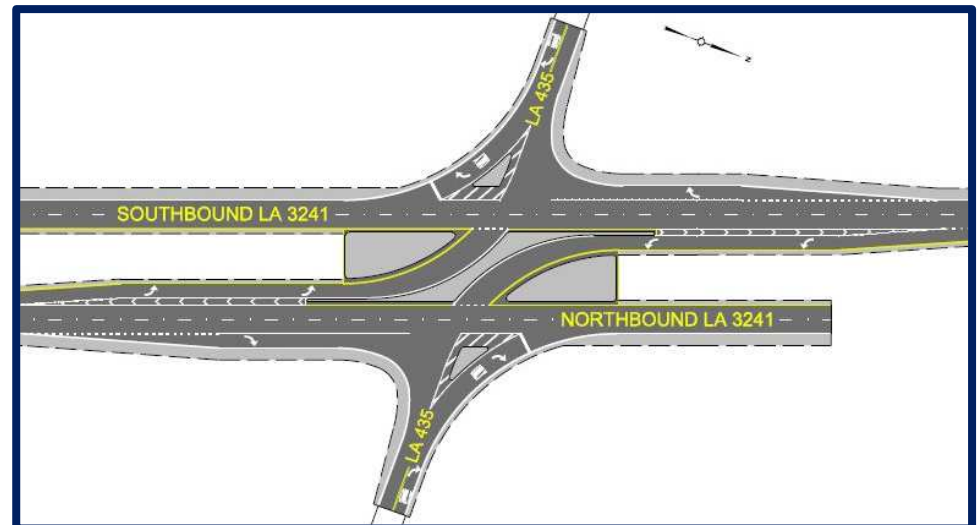
Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey / Road / Bridge / CE&I/OV
Project name	LA 3241 (LA 36 to LA 435)		Firm responsibility (prime or sub?)	Prime
Project number	H.004435	Owner's name	LADOTD	
Project location	St. Tammany Parish		Owner's Project Manager	Joe Umeozulu
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1100 / Joachim.Umeozulu@la.gov			
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost (\$1,000's)		\$ 3,628
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm (\$1,000's)		\$ 2,560

**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

Creek Bridge, traffic management during construction, and estimated construction costs. Based on this information LADOTD decided to move forward with the J-Turn alternative.



Firm Members Involved:

Ripley W. "Gary" McClure, P.E.

John P. Raymond, P.E.

Nicola D. Gill, P.E.

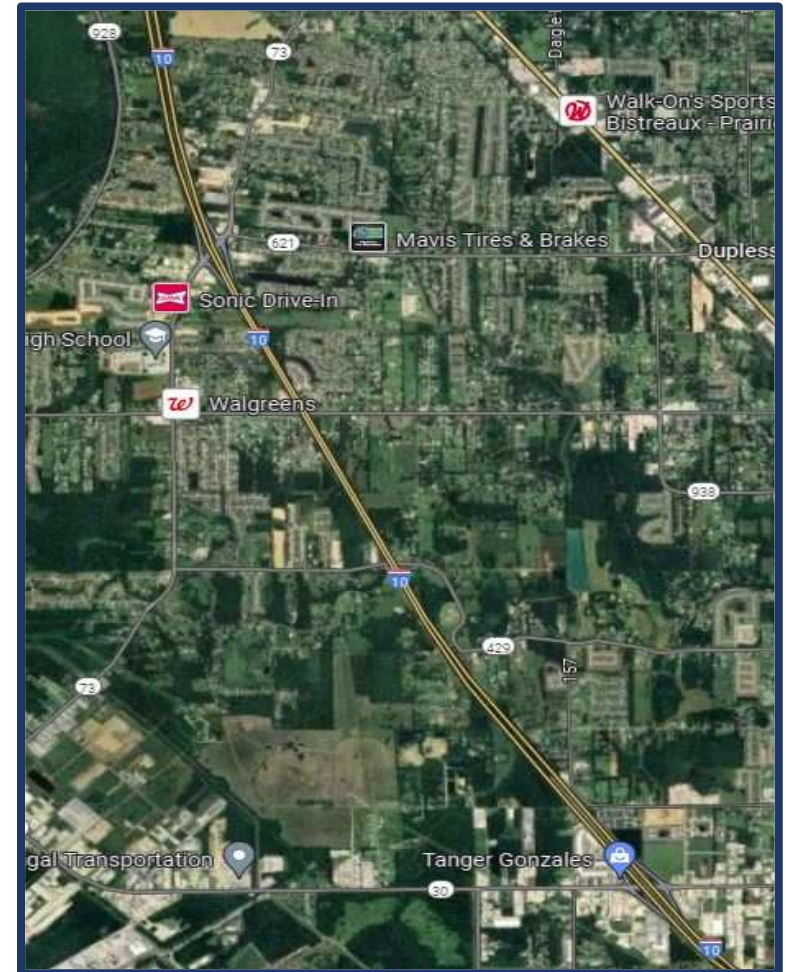
James Partin

17. Firm Experience

Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey / Road / Bridge
Project name	I-10 Widening (LA 73 – LA 30)			Firm responsibility (prime or sub?) Prime
Project number	H.009266	Owner's name	LADOTD	
Project location	Ascension Parish		Owner's Project Manager	Kurt Brauner, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804 / (225)379-1933 / Kurt.Brauner@la.gov			
Services commenced by this firm (mm/yy)	10/12	Total consultant contract cost (\$1,000's)		\$ 2,874
Services completed by this firm (mm/yy)	On-Hold	Cost of consultant services provided by this firm (\$1,000's)		\$ 2,122

**100% of work was performed in Louisiana*

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



Firm Members Involved:

Ripley W. "Gary" McClure, P.E.

John P. Raymond, P.E.

Nicola D. Gill, P.E.

Garrett Gilbert, P.E.

James Partin

Dianna Sherman

17. Firm Experience

Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road
Project name	LA 73 Roundabout at Bluff Rd. Connector			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)		\$ 781
Services completed by this firm (mm/yy)	02/26	Cost of consultant services provided by this firm (\$1,000's)		\$ 781

**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. 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.

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

Firm Members Involved:

Ripley W. "Gary" McClure, P.E.

John P. Raymond, P.E.

Darrell J. Moore, P.E.

Garrett Gilbert, P.E.

Dianna Sherman

17. Firm Experience

Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road
Project name	IDIQ Pavement Preservation			Firm responsibility (prime or sub?) Prime
Project number	H.015056/H.015058/H.015619	Owner's name	LADOTD	
Project location	Vermillion Parish / Evangeline Parish		Owner's Project Manager	Lea Smith, PE
Owner's address, phone, email	428 Rue des Voyages, Lafayette, LA 70508 / (337)262-2375 / Lea.Smith@la.gov			
Services commenced by this firm (mm/yy)	12/22	Total consultant contract cost (\$1,000's)		\$ 4,375
Services completed by this firm (mm/yy)	10/24	Cost of consultant services provided by this firm (\$1,000's)		\$ 3,937

**100% of work was performed in Louisiana*

The following projects were performed under the IDIQ Pavement Preservation Contract No. 4400024831:

H.015056 / LA 685 (LA 14-B to BAYOU TIGRE), Vermillion Parish:

Shread-Kuyrkendall & Associates, Inc. (SKA) were contracted to perform engineering and related services to prepare preliminary and final plans for the mill and overlay approximately 2250' of LA 685 from LA 14-B and reconstruction of approximately 1900' of LA 685 to Bayou Tigre as well as identify drainage improvements required to alleviate local street flooding adjacent to Erath High School. Pavement Design was provided by LADOTD.

H.015058 / LA 14-Business & LA 331:Erath, Vermillion Parish:

Shread-Kuyrkendall & Associates, Inc. (SKA) were contracted to perform engineering and related services to prepare preliminary and final plans for the mill and overlay of approximately 12,000' of LA 14-B from LA 14 to LA 14, patch existing pavement where needed and provide minor drainage improvements, as well as the reconstruction of LA 331 (currently North Rd) from Beau Chene Street to LA 14-B with 12' lanes and 2' shoulders. Portland Cement Concrete from LA 331 from LA 14 to Beau Chene will have existing joints cleaned and sealed and pavement restriped. Pavement Design was provided by LADOTD.

H.015619 / LA 106: US 167 to Avoyelles Parish Line, Evangeline Parish:

Shread-Kuyrkendall & Associates, Inc. (SKA) were contracted to perform engineering and related services to prepare preliminary and final plans for the full reconstruction of LA 106 from US 167 to approximately LA 115, including safety improvements to cross-drain headwalls in three locations which may or may not include embankment widening and guardrails. LA 106 was milled and overlaid, along with patching where necessary, from LA 115 to the Avoyelles Parish/Evangeline Parish line. This project included guard rail improvements and embankment widening. Total length of the project was approximately 8.2 miles. Pavement Design was provided by LADOTD.

These were pavement preservation/restoration projects.

Firm Members Involved:

Ripley W. "Gary" McClure, P.E.

John P. Raymond, P.E.

Nicola D. Gill, P.E.

Garrett J. Gilbert, P.E.

James Partin

Dianna Sherman

17. Firm Experience

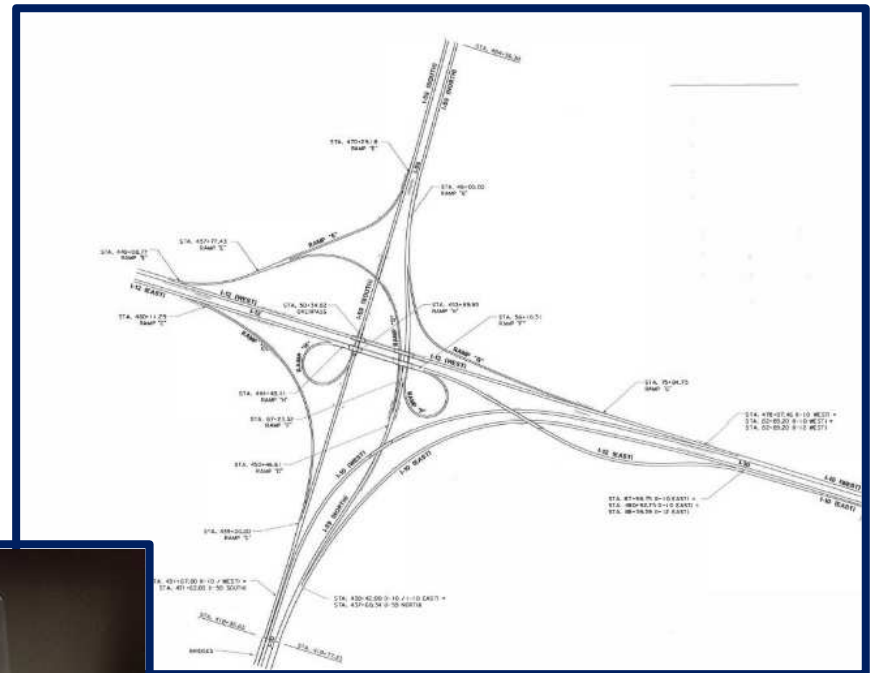
Firm name	Shread-Kuyrkendall & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road / Bridge
Project name	French Branch Bridge-West Pearl River Bridge (I-10 / I-12 / I-59)		Firm responsibility (prime or sub?)	Prime
Project number	700-52-0205	Owner's name	LADOTD	
Project location	St. Tammany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

**100% of work was performed in Louisiana*

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

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

This was a pavement preservation/restoration project.



Sequencing and Traffic Control were an important element of this project. This project was constructed without any issues and SKA was awarded the DOTD 2016 Transportation Excellence Award



Firm Members Involved:

Ripley W. "Gary" McClure, P.E.

John P. Raymond, P.E.

Nicola D. Gill, P.E.

James Partin

Dianna Sherman

17. Firm Experience

Firm name	Civil Design & Construction, Inc.		Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 317 - Wax Lake B			Firm responsibility (prime or sub?) Sub
Project number	H.014824.5	Owner's name	LADOTD	
Project location	St. Mary Parish, LA		Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street Baton Rouge, LA 70802 / 225-387-2422 / FieldsAdam@stanleygroup.com			
Services commenced by this firm (mm/yy)	12/24	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm (\$1,000's)		\$162

**100% of work was performed in Louisiana*

Project Description: CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1.60 miles south of the intersection of La 317 and US 90. The survey continued along US 90 for 2.3 miles north of the intersection of La 182. The width of the survey was five feet behind the right of way to the apparent right of way of all crossing streams, canals, and 500 feet from any drainage structure.

CD&C's Role: The scope of work consists of providing a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.



Firm Members Involved:

Karla Weston, P.E.
Madison Mills, P.L.S.
Brad Jacobs, E.I.
Chancey Cothren L.S.I.
CJ Goodspeed
Jacob Stoehr
Scott Benton
Alex Wells
Drennon Humphreys
Hunter Smith

17. Firm Experience

Firm name	Civil Design & Construction, Inc.		Past Performance Evaluation Discipline(s)*		Survey
Project name	US 190 R Cuts @ LA741			Firm responsibility (prime or sub?)	Sub
Project number	H.015849	Owner's name	LADOTD		
Project location	Shreveport, LA			Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email		700 Main Street Baton Rouge, LA 70802 / 225-387-2422 / FieldsAdam@stanleygroup.com			
Services commenced by this firm (mm/yy)		10/24	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)		01/25	Cost of consultant services provided by this firm (\$1,000's)		\$92

**100% of work was performed in Louisiana*

Project Description: CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1700 feet west of the intersection of the US 190 and La 741. The survey then proceeded West along US 190. In addition, the survey was 10 feet north of the right of way line of US 190 to the toe of the Union Pacific Railroad. The survey then extended north along La 741 for 200 feet, then south from centerlines to a distance of 180 feet.

CD&C's Role: The scope of work consists of providing a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.



Firm Members Involved:

Karla Weston, P.E.
Madison Mills, P.L.S.
Brad Jacobs, E.I.
Chancey Cothren L.S.I.
CJ Goodspeed
Jacob Stoehr
Scott Benton
Alex Wells
Drennon Humphreys
Hunter Smith

17. Firm Experience

Firm name	Civil Design & Construction, Inc.		Past Performance Evaluation Discipline(s)*		Survey		
Project name	Verot School Road				Firm responsibility (prime or sub?)		Sub
Project number	H.011235	Owner's name	LADOTD				
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)		On-Going	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 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 also meet with safety advisors for the industrial business 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 Weston, P.E.

Christopher Ballard, P.L.S.

John Ewing

Jacob Stoehr

17. Firm Experience

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic	
Project name	Stage 0 Feasibility Study – US 190/Fremaux Avenue Sidewalk Study			Firm responsibility (prime or sub?)	sub	
Project number	H.972462.1	Owner’s name	New Orleans Regional Planning Commission			
Project location	Slidell, LA			Owner’s Project Manager	Nelson Hollings	
Owner’s address, phone, email	10 Veterans Boulevard, New Orleans, LA 70124; 504-483-8523; nhollings@norpc.org					
Services commenced by this firm		12/23	Total consultant contract cost (\$1,000’s)			\$65
Services completed by this firm		07/24	Cost of consultant services provided by this firm (\$1,000’s)			\$30

**100% of work was performed in Louisiana*

Vectura prepared a formal traffic study to determine the feasibility of constructing a sidewalk along US 190 in Slidell, LA. The traffic study examined concepts that improved the safety and efficiency for bicyclists and pedestrians consistent with the latest DOTD policies related to access management and complete streets.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- Seven-day (mainlines) and two-day (side streets) 24-hour tube counts with vehicle classification
- Seven-day pedestrian counts
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes using TransCAD data

Task 2 Traffic Study

This task included the following elements:

- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

- Developed three-year crash analyses report as per DOTD standards

Firm Members Involved:

Kristen Farrington

Gustavo Clavijo

Cade Nelson

Brin Ferlito

Laurence Lambert

17. Firm Experience

Firm name	Vectura Consulting Services, LLC			Past Performance Evaluation Category(ies)*		Traffic	
Project name	I-20: LA 544 Overpass Replacement				Firm responsibility (prime or sub?)		Sub
Project number	H.010616		Owner's name	DOTD			
Project location	Baton Rouge, LA			Owner's Project Manager		Jacob Fusilier	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1185, Jacob.Fusilier@la.gov					
Services commenced by this firm			04/23	Total consultant contract cost (\$1,000's)			Unknown
Services completed by this firm			10/23	Cost of consultant services provided by this firm (\$1,000's)			\$131.973

**100% of work was performed in Louisiana*

Vectura performed a Level 2 **Traffic Management Plan** (TMP) that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Traffic Management Plan (TMP)
 - 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

Laurence Lambert

Reece Rodrigue

Kristen Farrington

17. Firm Experience

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Category(ies)*	Traffic
Project name	South Range Road Safety and Operational Enhancements Stage 0		Firm responsibility (prime or sub?)	Prime
Project number	T-1.24RR	Owner's name	New Orleans Regional Planning Commission	
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Nelson Hollings
Owner's address, phone, email	10 Veterans Boulevard, New Orleans, LA 70124; 504-483-8523; nhollings@norpc.org			
Services commenced by this firm	12/23	Total consultant contract cost (\$1,000's)		\$55
Services completed by this firm	07/24	Cost of consultant services provided by this firm (\$1,000's)		\$40

**100% of work was performed in Louisiana*

The purpose of this study was to conduct a corridor analysis along this portion of Range Road in the Hammond area of Tangipahoa Parish. This study examined the specific operating conditions of the intersection of Old Covington Highway and Range Road, land uses and operations or nearby trip generating land uses, and to identified conceptual, feasible improvements at and adjacent to the intersection that would enhance the safety and operations of all roadway users of said corridor.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- Seven-day (mainlines) and two-day (side streets) 24-hour tube counts with vehicle classification
- Seven-day pedestrian counts
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes using TransCAD data

Task 2 Traffic Study

This task included the following elements:

- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

- Developed three-year crash analyses report as per DOTD standards

Firm Members Involved:

Kristen Farrington

Gustavo Clavijo

Cade Nelson

Reece Rodrigue

Brin Ferlito

Laurence Lambert

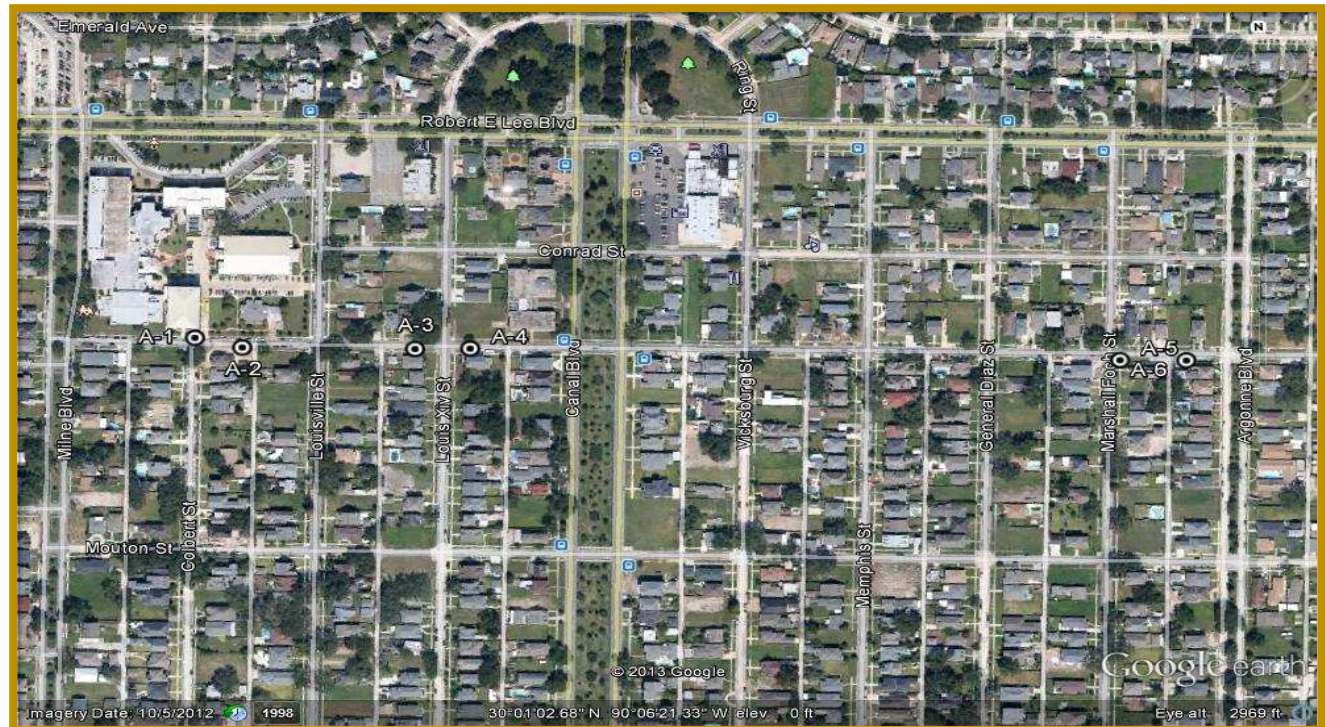
17. Firm Experience

Firm name	APS Engineering and Testing, LLC		Past Performance Evaluation Discipline(s)*		Geotech / CE&I/OV
Project name	Lakeview Street Reconstruction			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	New Orleans Department of Public Works		
Project location	New Orleans, LA			Owner's Project Manager	James R. Kapisis
Owner's address, phone, email	13000 Perdido Street, New Orleans, LA 70112/ 504-658-8000 / jkapisis@la.gov				
Services commenced by this firm (mm/yy)	10/12	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)	09/13	Cost of consultant services provided by this firm (\$1,000's)			\$240

**100% of work was performed in Louisiana*

Scope- Subsurface exploration under the existing concrete pavement to provide geotechnical recommendations for the pavement rehabilitation which encompassed numerous blocks of roadway. A P S drilled and samples 292 borings throughout the Lakeview neighborhood and tested recovered samples for engineering characteristics. These tests included visual description and classification, moisture content, Atterberg limits, and unconfined compressive strength. The reports provided to the client included soil analysis as well as site development recommendations, asphalt and concrete pavement recommendations, and comments regarding factors that would impact construction and performance of the project.

A P S was tasked with the QA for material testing services. As the QA testing lab, A P S conducted the approved soil, compaction and concrete testing



Similarities to Professional Geotechnical Services:

- Geotechnical Explorations (GE)
- Geotechnical Construction (GC)
- Constructability
- Contract Management (CM)

Firm Members Involved:

Sergio Aviles, PE.

Sai E. Eddanapudi, ME., PE.

Surendra Pathak, MS., PE.

Joseph Layton

17. Firm Experience

Firm name	APS Engineering and Testing, LLC		Past Performance Evaluation Discipline(s)*		CE&I/OV	
Project name	RR062 Hollygrove/Leonidas Group				Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	DPW New Orleans			
Project location	New Orleans, LA			Owner's Project Manager	Khalid Saleh	
Owner's address, phone, email	13000 Perdido Street, Ste. 6W03, New Orleans, LA 70112 / 504.658.8100 / ksaleh@nola.gov					
Services commenced by this firm (mm/yy)		06/20	Total consultant contract cost (\$1,000's)			N/A
Services completed by this firm (mm/yy)		On-going	Cost of consultant services provided by this firm (\$1,000's)			\$300

**100% of work was performed in Louisiana*

Scope- The City of New Orleans implemented a multi-million-dollar, multi-year comprehensive program to repair roadways damaged due to hurricane Katrina. A P S Engineering provided professional engineering services in a multi-neighborhood project for the Hollygrove portion of the Hollygrove/Leonidas Group A project under Waggoner Engineering.

The repairs in this project that were determined to be eligible for FEMA funding were roadways, sidewalks, ADA ramps, and curbing. A P S performed a thorough assessment of these damages and recommended the best value approach to implement the repairs. The recommendations by A P S allowed the City of New Orleans to maximize the federal dollars to have the most impact on the neighborhood's infrastructure as possible.

The Hollygrove neighborhood project included multiple construction repair types with an estimated value for roadway improvements that is approximately \$10 million.



Similarities to Professional Geotechnical Services:

- Geotechnical Construction (GC)
- Construction Inspection
- Contract Management (CM)

Firm Members Involved:

Sergio Aviles, PE.

Sai E. Eddanapudi, ME., PE.

17. Firm Experience

Firm name	APS Engineering and Testing, LLC		Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Comite River Diversion Bridge at LA 96, LA 19 and LA 19 RR		Firm responsibility (prime or sub?)	Sub
Project number	H.001352.6	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 Pont des Mouton Road, Lafayette, LA 70507 / 337.234.3798/ tgattle@huvalassoc.com			
Services commenced by this firm (mm/yy)	01/22	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)		\$78

**100% of work was performed in Louisiana*

Scope- The scope of work includes providing roadway, geotechnical and structural construction related services. A P S is currently providing PDA instrumentation, testing and CAPWAP analysis.



Firm Members Involved:

Sergio Aviles, PE.
Sai E. Eddanapudi, ME., PE.
Surendra Pathak, MS., PE.
Joseph Layton

Similarities to Professional Geotechnical Services:

- Geotechnical Construction (GC)
- Construction Inspection
- Contract Management (CM)

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 pavement preservation for both Interstate and Non-Interstate Roadways. SKA utilizes the DOTD Roadway Design Procedures and Guidelines, DOTD Minimum Design Guidelines, and Pavement Preservation Manual for design references. Other documents that may be used would be AASHTO's Policy on Geometric Design of Highways, AASHTO's Roadside Design Guide, and the Highway Safety Manual. SKA has selected a successful team to implement the required services as part of this contract, which includes topography survey, traffic control design, traffic signal analysis and design, traffic study, transportation management plan, safety analysis, geotechnical services (if needed), preliminary plans, final plans, construction support and any additional items required to provide DOTD with a quality constructible final set of plans. SKA along with our traffic subconsultant **Vectura Consulting Services, LLC (Vectura)** have comprehensive knowledge of the transportation system in addition to, in-depth knowledge of DOTD's traffic studies, planning, and design. In addition to our traffic subconsultant SKA has teamed with **Civil Design & Construction, Inc. (CD&C)** to provide the topographic survey and **APS Engineering and Testing, LLC (APS)** to provide any geotechnical engineering and/ or construction materials testing if needed.

UNDERSTANDING

Having provided roadway design services to DOTD for well over 30 years, Shread-Kuyrkendall & Associates, Inc. (SKA) brings extensive knowledge and a deep understanding of DOTD's goals and requirements for both new construction and the reconstruction of existing roadways. SKA has also delivered design services on numerous Pavement Preservation Projects, demonstrating a strong grasp of DOTD's objectives for maintaining and extending pavement service life through effective rehabilitation and reconstruction strategies.

SKA's strength lies not only in technical expertise, but in its capacity and responsiveness. SKA and its team are **fully capable of actively managing six (6) or more Task Orders concurrently**, a capability demonstrated through multiple ongoing IDIQ contracts where several task orders are executed simultaneously. The firm has **consistently shown its ability to mobilize immediately upon notice to proceed, maintain schedule discipline, and deliver projects on time with a proven record of success and client satisfaction across multiple DOTD Districts.**

The IDIQ contracting framework allows DOTD to quickly assign time-sensitive projects requiring expedited delivery, and SKA is uniquely positioned to respond to these demands. With adequate staffing, experienced project managers, and streamlined internal processes, **SKA routinely undertakes accelerated schedules**, including projects tied to critical funding deadlines such as federal redistribution efforts.

SKA understands that task orders may vary widely in scope, complexity, and duration. Regardless of these variables, SKA and its team are committed to providing the full range of services necessary to successfully deliver each assignment, ensuring consistency, quality, and reliability for DOTD across all projects.

Services that may be required and will be provided will include but not limited to the following:

- Topographic Surveys
- Traffic Control Design, Traffic Signal Analysis and Design
- Traffic Studies
- Preliminary and Final Roadway Design, Plan Development and Cost Estimates
- Hydraulic Analysis and Design
- Services During the Environmental Process
- Special Provisions Write Ups
- Transportation Management Plans (TMPs)
- Safety Analysis
- Quality Plan Reviews
- Technical Research & Guidance
- Construction Support

APPROACH

For each Task Order, 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's workload is such that we have the staff available to manage multiple Tasks Orders if needed. SKA's staff has worked on multiple IDIQ contracts with provided consistency for future IDIQ projects. The majority of our staff has been with SKA for more than 20 years with our managers being with SKA even longer. This clearly indicates the experience level SKA has working with DOTD and our understanding of the Plan Delivery Process. SKA will utilize **Niccola Gill, PE** as Supervising Engineer overseeing QA/QC. Ms. Gill has over 20 years of experience with SKA as well as working with DOTD. SKA's approach for delivering a quality construction set of plans is summarized as follows:

ESTABLISH A CLEAR UNDERSTANDING OF DOTD'S REQUIREMENTS AND GOALS During the scoping phase, **John Raymond, PE** 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.

18. Approach and Methodology

SKA has coordinated initiation meetings, public meetings and hearing with DOTD on multiple projects. Some of these being the proposed Mississippi River Bridge Crossing, Pecue Lane / I-10 Interchange, and Stage 0 Feasibility Studies. SKA has the ability to create exhibits, provide handouts, and coordinate meetings as needed for this project.

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.

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.

SCOPING Once a Notice to Proceed is received, our project manager **John Raymond, PE** 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 Survey Services, Traffic Services, Geotechnical Services (if needed), Preliminary Plans, Final Plans, and Construction phases of the project.

KICKOFF MEETING Once the contract is executed and a Notice to Proceed is received, SKA will request a kickoff meeting through the DOTD PM. At this meeting, SKA will request the following data, if available:

- Pavement Design, Existing Utility Information, Traffic Assignments, Studies, As-Builts, Geotechnical Data, Environmental Documents, and/or any other additional items

The project kickoff meeting will be used to (1) establish project design criteria, (2) determine the frequency for project coordination meetings, (3) coordinate an on-site meeting with DOTD/District to discuss project concerns and constructability, (4) discuss and review any questions that may have been revealed after reviewing existing documents, and (5) to revise and update our PMP as needed. SKA will develop a progress schedule depicting milestones and incorporate any needed items that were discussed during the Kickoff Meeting.

FIELD VISITS Our SKA project team will set up a site visit to obtain a better understanding of the project and to identify any constraints that may cause constructability issues or design exceptions.

SURVEY SERVICES Civil Design & Construction, Inc. (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.

TRAFFIC CONTROL DESIGN, TRAFFIC SIGNAL ANALYSIS AND DESIGN The staff at Vectura have designed hundreds of traffic signals throughout the state of Louisiana. We are highly experienced with the Traffic Signal Manual Version 3.0 and the Traffic Engineering Manual released in January 2026, which includes updates from the MUTCD 11th Edition. Vectura also designed multiple Pedestrian Hybrid Beacons (PHBs) and Rapidly Repeating Flashing Beacons (RRFBs) that are currently being installed as part of pedestrian improvement projects. Our staff understand the latest requirements for each type of traffic control device and consistently deliver fully constructible plan sets. All traffic signal plans prepared by Vectura are reviewed by our field technicians, who provide comments and recommendations from a constructability perspective. This process minimizes design revisions, reduces the potential for delays, and improves efficiency during construction.

TRAFFIC STUDIES Vectura employs seven Professional Engineers licensed in the state of Louisiana, six of whom are certified Professional Traffic Operations Engineers (PTOE). Vectura will follow the DOTD Traffic Engineering Process and Report protocol when developing traffic studies. All Vectura Professional Engineers are Traffic Engineering Process and Report certified. Vectura self performs traffic data collection, allowing us to control project schedules without reliance on subconsultant availability. Our PTOEs actively participate in data collection, ensuring that critical field observations are seamlessly incorporated into Appendix B of each report. Over the past ten years, Vectura has prepared numerous traffic studies for DOTD and remains fully capable of continuing this support.

TRANSPORTATION MANAGEMENT PLANS (TMPs) Vectura will follow Engineering Design Standards Manual Section VI.1.1.8, which defines the requirements for Transportation Management Plans. The Transportation Management Plan flowchart will be used to determine the appropriate level of plan required for each project. Vectura has developed and implemented Level 4 Transportation Management Plans on some of the most congested corridors in Louisiana. We are fully capable of delivering comprehensive Transportation Management Plans that contractors can readily use to effectively manage traffic during construction.

18. Approach and Methodology

SAFETY ANALYSIS Vectura staff have performed numerous safety analyses for DOTD and are experienced in obtaining, formatting, and analyzing crash data to develop Appendix C of traffic studies. Our staff have participated in multiple DOTD hosted webinars focused on the use of the Louisiana Crash Tool. Two of our Professional Traffic Operations Engineers are also certified Road Safety Professionals, providing additional expertise in identifying and addressing safety concerns.

GEOTECHNICAL SERVICES APS Engineering and Testing, LLC will continue to utilize their 40 plus years (combined staff) of experience to provide comprehensive Subsurface Geotechnical Investigation in accordance with the standards of DOTD. The firm will utilize our in-house drill rigs, CPT rigs, and Laboratory equipment, to provide a high-quality Geotechnical Data Report. They will also work closely with the design team members to ensure a seamless transfer of geotechnical data to the designers. APS will provide consultation geotechnical engineering. APS understands that the geotechnical task orders will be assigned by the Prime consultant. APS will work with Project Manager (PM) in Charge from the time the Task Order (TO) is assigned until the TO is complete. The steps for this work include, but are not limited to Boring Request, Drilling Services, Laboratory Services (AASHTO and USACE certified), and all required Geotechnical Services.

PLAN DEVELOPMENT For plan development, 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.

- **John Raymond, PE** will be project manager and lead road designer for this project. He has over 30 years of roadway and DOTD project experience. He is very knowledgeable of DOTD standards and requirements as well as roadway plan preparation. He will work closely with DOTD Road Design during the preliminary phase. **Darrell Moore, PE** and **Garret Gilbert, PE**, will assist in road design under John Raymond's supervision. They have worked on numerous roadway projects as well as pavement preservation contracts with DOTD. Mr. Gilbert will also work on any drainage design needed for this project.
- QA/QC will be completed by **Niccola Gill, PE**. She has over 20 years of roadway and bridge design experience and is very knowledgeable of the latest DOTD Roadway Design Procedures, Guidelines and DOTD Minimum Design Guidelines, and Pavement Preservation Manual for design references, AASHTO's Policy on Geometric Design of Highways, AASHTO's Roadside Design Guide, and the Highway Safety Manual

LA 14 – Business & LA331 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)

PLAN SUBMITTALS SKA will utilize the DOTD Road Design Manual for plan delivery. SKA will submit the following:

- **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:** Once Environmental Clearance is received, SKA will submit final plans at 60%, 95% (Advanced Check Prints), 98%, 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, the final design reports, special provisions, NS pay items, and final design calculations.
- **Construction:** Once final design is complete, SKA will assist DOTD in completing the construction support proposal. SKA works with various entities and has over 30 years of experience with bidding, reviewing shop drawings, responding to RFIs, and all other items associated with construction support.

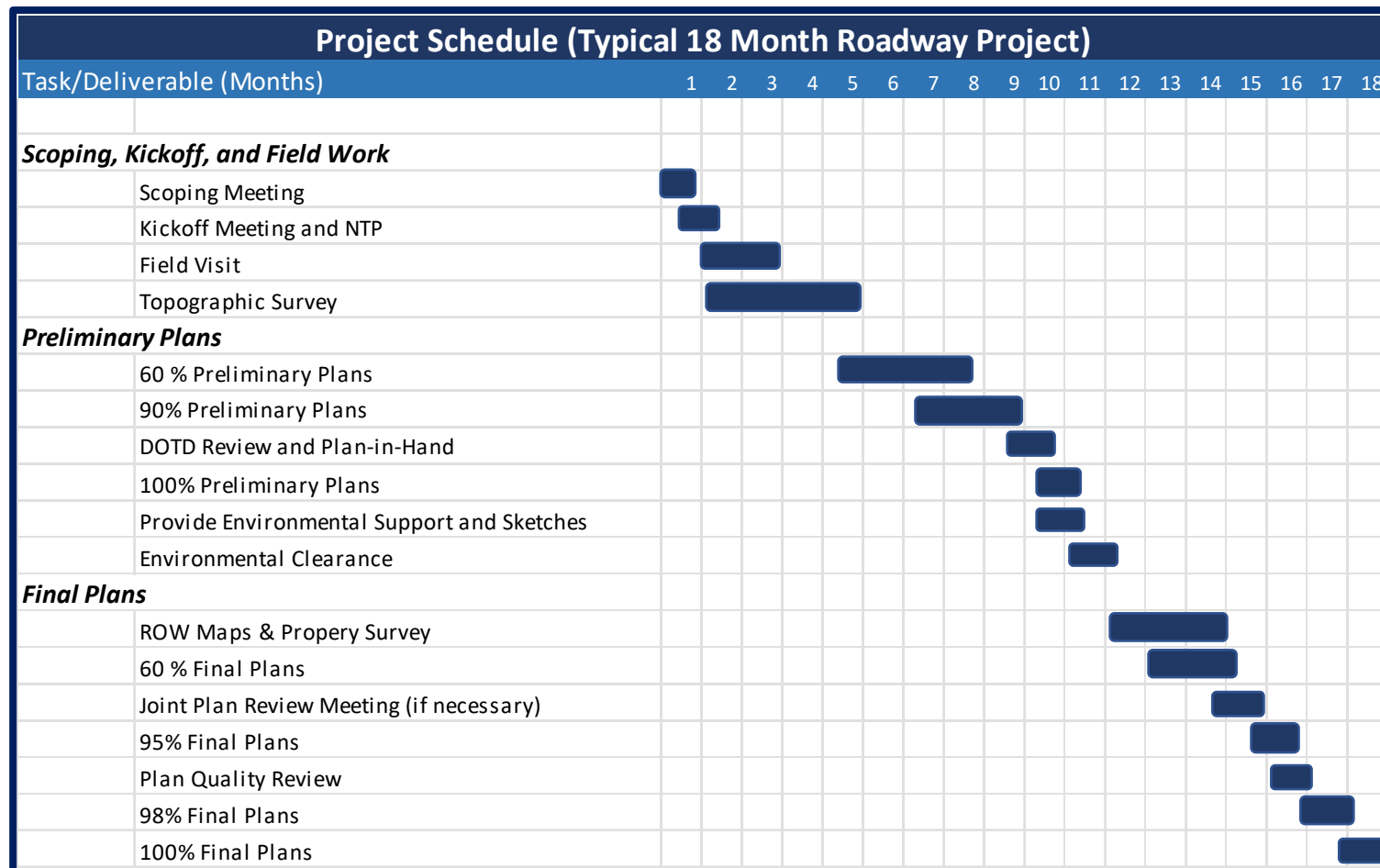


SKA was awarded the 2016 DOTD Transportation Excellence Award for French Branch Bridge-West Pearl River Bridge (I-10 / I-12 / I-59) because the plans were well laid out and the project was constructed without issue.



18. Approach and Methodology

The overall time for completion of the contract is estimated to be 5 years, however based on previous roadway projects, SKA estimated a typical 18-month roadway project timeline below. SKA will always strive to complete the project ahead of the scheduled completion date, but no later than the scheduled date. As previously mentioned, SKA has proven this on multiple projects that were designated for Federal redistribution funds that had a shortened schedule to meet August deadlines.



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	\$ 14,325
	Bridge	44-8671 H.009266	I-10 (LA 73 to LA 30) Route I-10, Ascension Parish	\$ 48,814
	CE&I/OV	44-4665 H.004435	I-12 to Bush, LA 3241 (LA 36 – LA 435), St. Tammany Parish	\$ 47,037
	CE&I/OV	No Contract No. H.011152	I-12 Widening (sub to T. Baker Smith)	\$ 5,457
	CE&I/OV	44-14913 H.010155	US 90: Railroad Overpass SE of LA 85	\$ 93,848
	Road	44-17438 H.013284	MRB South GBR: LA 1 to LA 30 Connector (sub to Atlas)	\$ 61
	Road	44-17438 H.013284	MRB South GBR: LA 1 to LA 30 Connector (sub to Atlas) SA#3	\$ 44,693
	CE&I/OV	44-5615 H.000710.6	Comite River Diversion Bridge at LA 964	\$ 50,467
	Road	44-24831 H.010222.5	LA 97: LA 98 – LA368 (Acadia Parish)	\$ 4,688
	Road	44-24831 H.016291.5	LA 10: PALMETTO – US 71 (St. Landry Parish)	\$ 4,151
	Road	44-24831 H.016460.5	LA 92: LA 91 – LA 13 (Acadia Parish)	\$ 5,896
	Road	44-27211 H.0145510.5	Iberia St. Pavement Preservation and Bike Improvements	\$ 46,317
	Road	44-30051 H.016535.5	LA 29: US 167 - LA 182	\$ 109,111
	Road	44-30051 H.016536.5	LA 363: St. Landry P/L – LA 1169	\$ 136,085
	Road	44-31651 H.016390.5	LA 16 Road Diet	\$ 338,833
	Road	44-31650 H.016590.5	LA 22: Turn Lane @ Lee's Landing	\$ 94,316

Civil Design & Construction, Inc.	Survey	44-27093 H.014041	LA 92 ROW Maps	\$ 5,028
	Survey	44-29196 H.016255.5	LA 1: WGS Riverplex RR Overp	\$142,431
	Survey	44-31651 H.016390.5	LA 16: Road Diet	\$ 62,647
Vectura Consulting Services, LLC	CE&I/OV	44-20018 H.007160	EBR Computerized Traffic Signal, Ph VB	\$ 23,595
	Traffic	44-25299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	\$ 9,437
	Traffic	44-18271 H.014746.5	LA 383 Stage 0 Corridor Study	\$ 20,146
	Traffic	44-25299 H.014305	US 61: Cardinal Dr to Bert St	\$ 6,203
	Traffic	44-26026 H.016037	LA 1138-1 & LA 1138-2: Corridor Improvements	\$ 142,847
	Traffic	44-25299 H.016437.5	US 190: Wooddale to Livingston P/L Study	\$ 43,652
APS Engineering and Testing, LLC	Geotech	44-24653 H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	\$55,00
	CE&I/OV	44-14913 H.010155.6	US 90 RR Overpass SE of LA 85	\$233,076
	CE&I/OV	44-32793 H.014239.6	LA-589 Alligator Bayou Bridge	\$36,710
	CE&I/OV	44-24653 H.014560.6	LA-94 Vermillion River Bridge	\$14,987

DO NOT SUM

20. Certifications/Licenses

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

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
SHREAD-KUYRKENDALL & ASSOCIATES, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

STEWART-KUYRKENDALL AND ASSOCIATES, INC. (Changed: 10/24/1990)

Business: SHREAD-KUYRKENDALL & ASSOCIATES, INC.

Charter Number: 31602440D

Registration Date: 10/7/1976

Domicile Address

13016 JUSTICE AVENUE
BATON ROUGE, LA 70816

Mailing Address

C/O RIPLEY W MCCLURE
13016 JUSTICE AVENUE
BATON ROUGE, LA 70816

Principal Office Address

13016 JUSTICE AVENUE
BATON ROUGE, LA 70816

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 10/7/1976

Last Report Filed: 9/9/2024

Type: Business Corporation

Registered Agent(s)

Agent:	RIPLEY MCCLURE
Address 1:	13016 JUSTICE AVENUE
City, State, Zip:	BATON ROUGE, LA 70816
Appointment Date:	2/19/2024

Officer(s)

Additional Officers: No

Officer:	MIGNONNE GUTIERREZ
Title:	Secretary
Address 1:	13016 JUSTICE AVENUE
City, State, Zip:	BATON ROUGE, LA 70816

Officer:	RIPLEY MCCLURE
Title:	President, Treasurer
Address 1:	13016 JUSTICE AVENUE
City, State, Zip:	BATON ROUGE, LA 70816

Amendments on File (6)

Description	Date
Name Change	10/24/1990
Disclosure of Ownership	1/23/1998
Disclosure of Ownership	3/8/2001
Disclosure of Ownership	1/11/2005
Disclosure of Ownership	2/19/2024
Domicile, Agent Change or Resign of Agent	2/19/2024

Print

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
CIVIL DESIGN & CONSTRUCTION, INC.	Business Corporation	PORT ALLEN	Active

Previous Names

Business: CIVIL DESIGN & CONSTRUCTION, INC.

Charter Number: 35961196D

Registration Date: 6/15/2005

Domicile Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Mailing Address

P O BOX 857
PORT ALLEN, LA 70767

Principal Office Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 6/15/2005

Last Report Filed: 5/17/2024

Type: Business Corporation

Registered Agent(s)

Agent:	KARLA E. WESTON
Address 1:	7951 FALSE RIVER ROAD
City, State, Zip:	NEW ROADS, LA 70760
Appointment Date:	6/15/2005

Officer(s)

Additional Officers: No

Officer:	KARLA E. WESTON
Title:	President
Address 1:	7951 FALSE RIVER ROAD
City, State, Zip:	OSCAR, LA 70762

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Chater Name	Role
10/6/2006	10/6/2006	MERGE	35961196D	CIVIL DESIGN & CONSTRUCTION, INC.	SURVIVOR
			34220123D	PAE, INC.	NON-SURVIVOR

Amendments on File (3)

Description	Date
Disclosure of Ownership	9/7/2006
Domicile, Agent Change or Resign of Agent	9/11/2006
Merger	10/6/2006

Print

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC

Charter Number: 41994609K

Registration Date: 8/24/2015

Domicile Address

4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address

PO BOX 14269
BATON ROUGE, LA 70898

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 8/24/2015

Last Report Filed: 7/30/2025

Type: Limited Liability Company

Registered Agent(s)

Agent:	SHEELAGH BRIN FERLITO
Address 1:	4467 BLUEBONNET BLVD
Address 2:	SUITE A

City, State, Zip: BATON ROUGE, LA 708099639

**Appointment
Date:** 8/15/2018

Officer(s)

Additional Officers: No

Officer: SHEELAGH BRIN FERLITO
Title: Manager
Address 1: 4467 BLUEBONNET BLVD
Address 2: SUITE A
City, State, Zip: BATON ROUGE, LA 708099639

Officer: LAURENCE LAMBERT
Title: Member
Address 1: 4467 BLUEBONNET BLVD
Address 2: SUITE A
City, State, Zip: BATON ROUGE, LA 708099639

Amendments on File (1)

Description	Date
Domestic LLC Agent/Domicile Change	6/8/2023

Print

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: APS ENGINEERING AND TESTING, LLC

Charter Number: 40911984K

Registration Date: 8/9/2012

Domicile Address

1645 NICHOLSON DR
BATON ROUGE, LA 70802

Mailing Address

5261 HIGHLAND RD. #320
BATON ROUGE, LA 70808

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 8/9/2012

Last Report Filed: 7/15/2025

Type: Limited Liability Company

Registered Agent(s)

Agent:	SERGIO AVILES
Address 1:	5261 HIGHLAND RD. #320
City, State, Zip:	BATON ROUGE, LA 70808

Appointment Date:	6/25/2018
--------------------------	-----------

Officer(s)

Additional Officers: No

Officer:	SERGIO AVILES
Title:	Member
Address 1:	5261 HIGHLAND RD. #320
City, State, Zip:	BATON ROUGE, LA 70808

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Chater Name	Role
3/25/2022	3/25/2022	MERGE	40911984K	APS ENGINEERING AND TESTING, LLC	SURVIVOR
			37100062K	APS DESIGN AND TESTING, L.L.C.	NON-SURVIVOR

Amendments on File (3)

Description	Date
Domestic LLC Agent/Domicile Change	11/15/2017
Domestic LLC Agent/Domicile Change	6/25/2018
Merger	3/25/2022

Print

Certificate of Completion

presented to

Brin Ferlito

for completing the

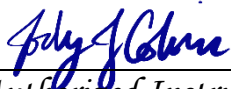
Traffic Engineering Analysis Process & Report Module 1

Date: June 4, 2018

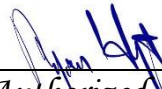
Location: Baton Rouge, Louisiana

Professional Development

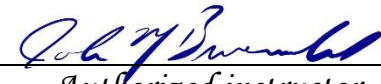
Hours (PDHs) Awarded: 4



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Brin Ferlito

for completing the

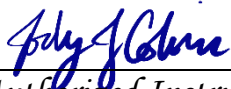
Traffic Engineering Analysis Process & Report Module 2

Date: June 11, 2018

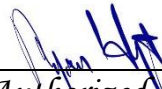
Location: Baton Rouge, Louisiana

Professional Development

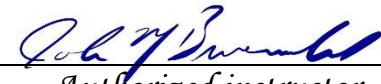
Hours (PDHs) Awarded: 4



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Brin Ferlito

for completing the

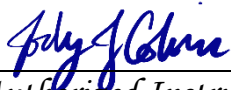
Traffic Engineering Analysis Process & Report Module 3

Date: September 10, 2018

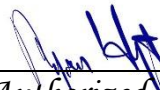
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

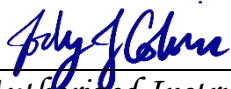
Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

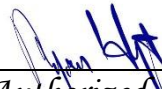
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

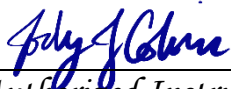
Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

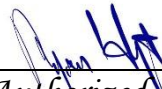
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Laurence Lambert

for completing the

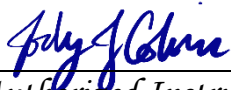
Traffic Engineering Analysis Process & Report Module 3

Date: October 15, 2018

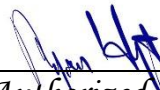
Location: Baton Rouge, Louisiana

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

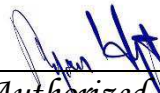
Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Reece Rodrigue

for completing the

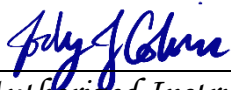
Traffic Engineering Analysis Process & Report Module 2

Date: November 26, 2018

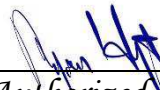
Location: Baton Rouge, Louisiana

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

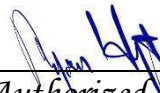
Location: Baton Rouge, Louisiana

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

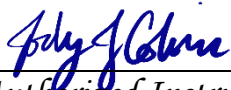
Traffic Engineering Analysis Process & Report Module 3

Date: October 29, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



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

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s)</u> <u>from SOS at the end of Section 20)</u>	Address	Point of Contact and email address	Phone Number
Civil Design & Construction, Inc.	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE Kweston@cdcbr.com	225-765-1803
Vectura Consulting Services, LLC	PO Box 14269 Baton Rouge, LA 70898	Sheelagh Brin Ferlito, PE, PTOE bferlito@vecturacs.com	225-223-6685
APS Engineering and Testing, LLC	1465 Nicholson Dr. Baton Rouge, LA 70802	Sergio Aviles, P.E. sergio@aps-testing.com	225-456-5714

23. Location

Location:

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**