DOTD Form 24-102

Contract No. 4400026026

IDIQ Contract for Roadway Design Safety

Statewide

LAZENBY & ASSOCIATES, INC.


Sections
1 - 13
LAZENBY
& ASSOCIATES, INC.

DOTD FORM: 24-102

(Revised January 1, 2023)

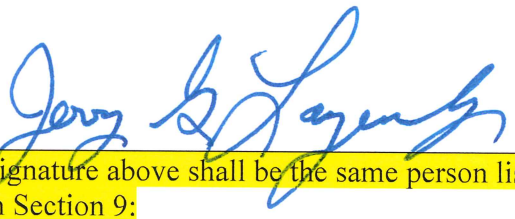
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR ROADWAY DESIGN SAFETY
2. Contract Number(s) as shown in the advertisement	4400026026
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name **(name must match as registered with the Louisiana Secretary of State where such registration is required by law)**	Lazenby & 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)	LAPELS Registration No. 416 Engineering LAPELS Registration No. 68 Land Surveying DUNNS Unique Entity ID: NJWWBHQXB6W5
6. Prime consultant mailing address	2000 North 7th Street West Monroe, LA 71291
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2000 North 7th Street West Monroe, LA 71291
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Paul D. Fryer, P.E., P.L.S., Senior Vice-President (318) 387-2710, Extension 125 pfryer@lazenbyengr.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jerry G. Lazenby, P.E., P.L.S., President (318) 387-2710, Extension 111 jlazenby@lazenbyengr.com

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

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	 Signature above shall be the same person listed in Section 9: Date: March 9, 2023	
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): Civil Design & Construction, Inc. Vectura Consulting Services, LLC	Firm(s)' %: 15% 15%

12. Past Performance Evaluation Discipline Table:

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

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

Past Performance Evaluation Discipline(s)	% of Overall Contract	Lazenby & Associates, Inc.	Civil Design & Construction, Inc.	Vectura Consulting Services, LLC	Each Discipline must total to 100%
Road	55%	100%			**100%**
Survey	30%	50%	50%		**100%**
Traffic	15%			100%	**100%**
Percent of Contract	**100%**	70%	15%	15%	100%

13. Firm Size:

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

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

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

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Lazenby & Associates, Inc.	CADD Drafter	2	3
	CADD Operator	1	1
	Clerical	0	3
	Engineer	3	6
	Engineer Intern	1	1
	Survey Instrumentman	2	2
	Survey Party Chief	2	2
	Principal	1	1
	Survey Rodman	2	2
	Supervisor Engineer	1	3
	Surveyor	1	1
	Inspector Certified	0	2
	Inspector	0	1
	Sub-Total	**16**	**28**
Civil Design & Construction, Inc.	Surveyor	1	3
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	1	2
	CADD Operator	1	1
	Senior Technician	2	5
	Supervisor - SUE	1	1
	Sub-Total	**11**	**20**
Vectura Consulting Services, LLC	Supervisor	2	2
	Engineer	4	4
	Sub-Total	**6**	**6**
	Total	**33**	**54**

(Add rows as needed)


Sections
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LAZENBY
& ASSOCIATES, INC.

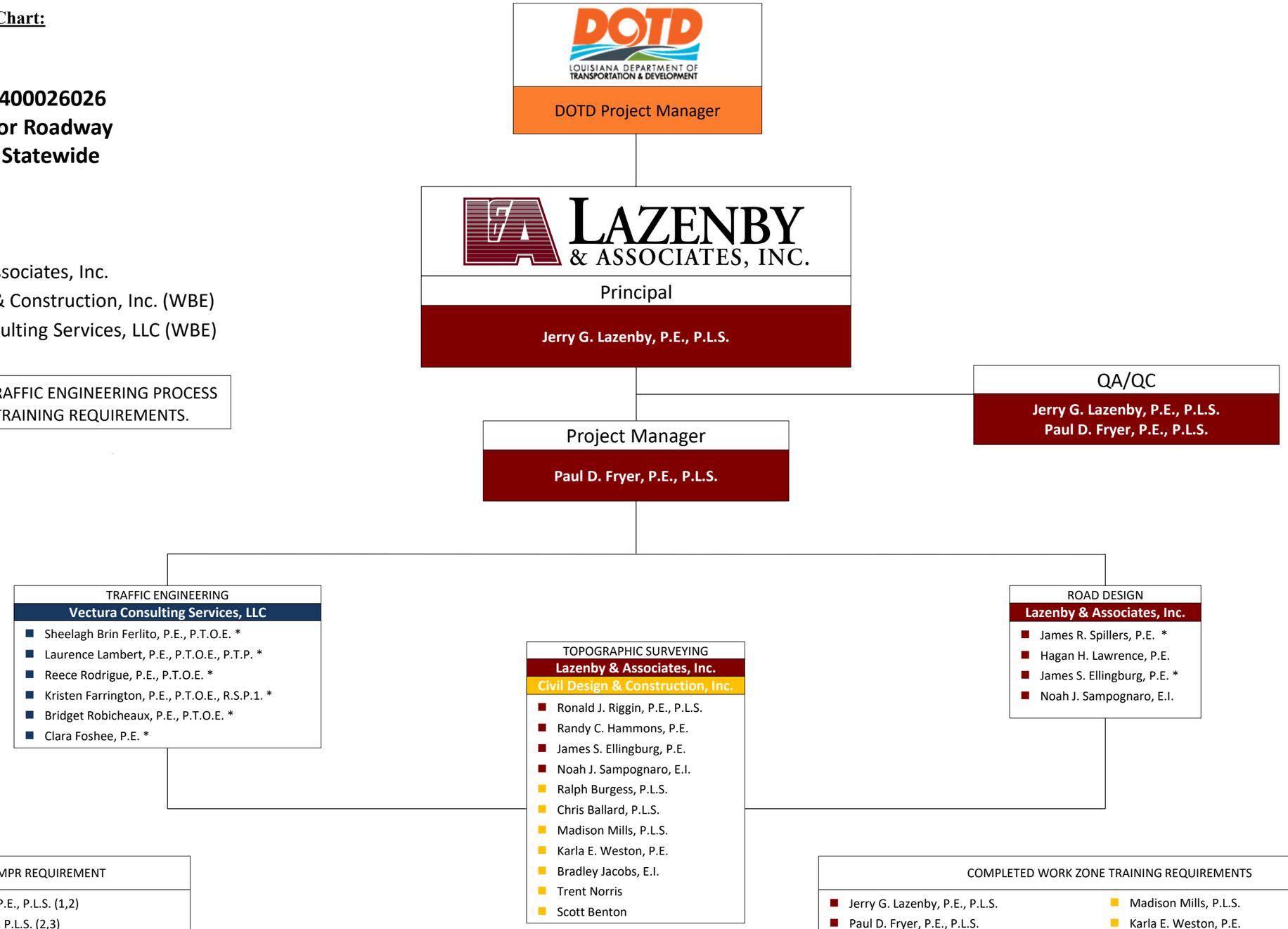
14. **Organizational Chart:**

Contract No. 4400026026
IDIQ Contract for Roadway Design Safety Statewide

LEGEND

- Lazenby & Associates, Inc.
- Civil Design & Construction, Inc. (WBE)
- Vectura Consulting Services, LLC (WBE)

* - COMPLETED TRAFFIC ENGINEERING PROCESS AND REPORT TRAINING REQUIREMENTS.



MEETS MPR REQUIREMENT

- Jerry G. Lazenby, P.E., P.L.S. (1,2)
- Paul D. Fryer, P.E., P.L.S. (2,3)
- James R. Spillers, P.E. (3)
- Ronald J. Riggin, P.E., P.L.S. (4)
- Ralph Burgess, P.L.S. (4)
- Chris Ballard, P.L.S. (4)
- Sheelagh Brin Ferlito, P.E., P.T.O.E. (5)
- Laurence Lambert, P.E., P.T.O.E., P.T.P. (5)

COMPLETED WORK ZONE TRAINING REQUIREMENTS

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- James R. Spillers, P.E.
- Ronald J. Riggin, P.E., P.L.S.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- Hagan H. Lawrence, P.E.
- Noah J. Sampognaro, E.I.
- Ralph Burgess, P.L.S.
- Chris Ballard, P.L.S.
- Madison Mills, P.L.S.
- Karla E. Weston, P.E.
- Bradley Jacobs, E.I.
- Trent Norris
- Scott Benton
- Sheelagh Brin Ferlito, P.E., P.T.O.E.
- Laurence Lambert, P.E., P.T.O.E., P.T.P.
- Reece Rodrigue, P.E., P.T.O.E.
- Kristen Farrington, P.E., P.T.O.E.

15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Jerry G. Lazenby, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 12104 Civil	LA	03/31/2024
2	Jerry G. Lazenby, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 12104 Civil	LA	03/31/2024
2	Paul D. Fryer, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 23426 Civil	LA	09/30/2023
3	James Ryan Spillers, P.E.	Lazenby & Associates, Inc.	P.E. License No. 28574 Civil	LA	09/30/2023
3	Paul D. Fryer, P.E., P.L.S.	Lazenby & Associates, Inc.	P.E. License No. 23426 Civil	LA	09/30/2023
4	Ronald J. Riggin, P.E., P.L.S.	Lazenby & Associates, Inc.	P.L.S. License No. 5119	LA	03/31/2025
4	Ralph Burgess, P.L.S.	Civil Design & Construction, Inc.	P.L.S. License No. 5040	LA	09/30/2024
4	Chris Ballard, P.L.S.	Civil Design & Construction, Inc.	P.L.S. License No. 5033	LA	09/30/2024
5	Sheelagh Brin Ferlito, P.E., P.T.O.E.	Vectura Consulting Services, Inc.	P.E. License No. 25383 Civil	LA	09/30/2023
5	Laurence Lambert, P.E., P.T.O.E., P.T.P.	Vectura Consulting Services, Inc.	P.E. License No. 29901 Civil	LA	3/31/2024

(Add rows as needed)

Firm employed by Lazenby & Associates, Inc.					
Name	**Ellingburg, James S. P.E.**			Years of experience with this firm/employer	14
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0037236 / Louisiana / 09/30/2022		
Year registered	2012	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Analysis & Design, Topographic Survey		

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).
	Mr. Ellingburg has over 14 years of experience in developing roadway plans on both LDOTD and local roadway projects. Mr. Ellingburg is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Ellingburg has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. Mr. Ellingburg has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) Designing Streets for Pedestrians and Bicyclists Workshop, 2016 Highway Safety Manual Workshop, 2016 Roundabout Design Workshop, 2013 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
05/08 – 06/15	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Ellingburg initially served as an engineering technician, checking the topographic survey in the field for accuracy. Mr. Ellingburg then served as a project staff engineer, assisting the project engineer with development of existing drainage maps, drainage design maps, utility adjustments, and developing roadway plans. Mr. Ellingburg also assisted with roundabout designs, and sequence of construction in both Preliminary and Final plan development. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts that required extensive geometric design and graphical grade development in order to meet AASHTO and LDOTD standards and requirements for safety. Once the project was let for construction, Mr. Ellingburg provided construction support on an as-needed basis by answering field questions from the contractor or LDOTD.
12/10 – 10/12	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish. Mr. Ellingburg served as a project staff engineer, working on development of existing drainage maps, design drainage maps, roadway drainage plans, and assisting with roadway and bridge design and plan development for both Preliminary and Final plans. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2 mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on the project.
11/11 – 01/12	State Project No. H.004684: El Camino East/West Corridor, Route LA 6, Natchitoches Parish. Mr. Ellingburg served as a project staff engineer, developing existing drainage maps for a LDOTD Topographic Survey.
09/17 – Present	State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Ellingburg served as a project staff engineer, assisting with generating topographic survey deliverables, developing existing drainage maps for the topographic survey

	portion of the project. During the design and plan preparation portion of the project, Mr. Ellingburg has performed drainage design, developed design drainage maps, and assisted with design of five multi-lane roundabouts, developing graphical grades and assisting with geometric design. This urban project includes five multilane roundabouts and interstate ramp modifications that required extensive geometrics and graphical grades in order to meet AASHTO and LDOTD standards and requirements for safety. The final plans are currently 98% complete.
01/17 – Present	Ouachita Parish Police Jury Road Program. Mr. Ellingburg is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of evaluating parish roadways and developing pavement preservation construction plans, including drainage design, to preserve and extend the life of Ouachita Parish roadways, some of which are design and constructed under the LDOTD Urban Systems program. Mr. Ellingburg has also served as project engineer during construction, ensuring that the projects are built in accordance with the plans and specifications. Some of the Ouachita Parish Urban System projects that Mr. Ellingburg has provided professional services, including serving as the project engineer during construction, include the following: State Project No. H.011747 – Edwards Road (Reconstruction) State Project No. H.013796 – Tanglewood Drive (Reconstruction) State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) State Project No. H.013803 – Richwood Road No. 2 (Mill, Patch and Overlay) State Project No. H.013804 – Wall Williams Road (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction)
03/21 – 01/22	Pinecrest Road Intersection Improvements - Ouachita Parish Police Jury Roadway Safety Improvement Project. Mr. Ellingburg served as a project engineer by performing quality control and constructability reviews on the prepared plans. Mr. Ellingburg also provided construction support by assisting the project engineer with construction questions.
11/22 – Present	State Project No. H.007289: Kansas Ln Ext (Old Sterl.-US165) Phase 1, Ouachita Parish. Mr. Ellingburg is serving as the project engineer during construction of this project, ensuring that the project is built in accordance with the plans and specifications, coordinating testing to ensure compliance with LDOTD Material Sampling Manual, and coordinating construction activities with utility companies and railroad personnel to keep the project on schedule.

Firm employed by Lazenby & Associates, Inc.					
Name	**Fryer, Paul D. P.E., P.L.S.**		Years of experience with this firm/employer	37	
Title	Senior Vice-President		Years of experience with other firm(s)/employer(s)	2	
Degree(s) / Years / Specialization			B.S. / 1984 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0004806/ Louisiana / 09/30/2023 P.E. 0023426 / Louisiana / 09/30/2023		
Year registered	1987 1997	Discipline	Professional Engineer (Civil and Environmental) Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Project Manager, QA-QC		

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).
	Mr. Fryer has over 37 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. Mr. Fryer is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Mr. Fryer has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "0" studies as well as topographic surveys, property surveys, development of ROW maps. Mr. Fryer also has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served in a QA-QC role on many different projects throughout his career. Mr. Fryer is familiar with the LDOTD Location and Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. He has overseen the development of right-of-way maps for various LDOTD projects for over 20 years. Mr. Fryer has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making On this project Mr. Fryer meets the MPR Requirement Nos. 2 and 3.
01/96 – 09/96	State Project No. 038-03-0022: US 425 (Bastrop – Log Cabin), Morehouse Parish. Mr. Fryer prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 3.2-mile segment of US 425 to four lanes.
04/96 – 12/96	State Project No. 038-03-0024: US 425 (Log Cabin – Junction LA 142), Morehouse Parish. Mr. Fryer prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 5.2-mile segment of US 425 to four lanes.
04/95 – 03/00	State Project No. 043-01-0017: Dugdemona River and Relief Bridges, Jackson Parish. Mr. Fryer prepared preliminary and final roadway plans. This project consisted of the construction of two voided slab span bridges (main bridge and relief structure) and roadway approaches on new alignment.
11/95 – 06/00	State Project No. 172-01-0011: Bayou DeGlaise Bridge, Morehouse Parish. Mr. Fryer prepared preliminary and final roadway and final roadway plans. This project consisted of the construction of a slab span bridge and roadway approaches on new alignment.
01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. LA 913), Catahoula Parish. Mr. Fryer was responsible for preparation of preliminary and final roadway and bridge plans. This project consisted of widening a 4.5-mile segment of LA 15 to four lanes as part of the LA TIMED Program.

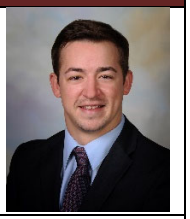
01/04 – 05/07	State Project No. 700-30-0061: US 167, Lillie to Arkansas State Line, Union Parish. Mr. Fryer served as project manager, roadway designer, and surveyor responsible for development of final roadway plans, and right-of-way maps. This project consisted of the conversion of a 7.2-mile section of a rural two-lane arterial route to a four-lane divided arterial route under the LA TIMED Program.
10/07 – 04/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Fryer served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of right-of-way maps. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts.
07/10 – 05/18	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Mr. Fryer served as project manager, was responsible for QA-QC of the plans, and was the surveyor in charge of right-of-way maps. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on this project.
02/18 - Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Fryer serves as project manager, is responsible for QA-QC of the roadway plans, and prepared right-of-way maps for the widening of a section of Garrett Road crossing I-20 and connecting to Kansas Lane north of Millhaven Road and the KCS Railroad track to a four-lane arterial route. This project includes the design of five-multi lane roundabouts as well as interstate highway ramp improvements and frontage road realignments and improvements. Final plans for this project are currently 98% complete.
05/08 – 05/12	State Project No. H.004780.5 – Kansas Lane Connector (Route US 80 to Route US 165) City of Monroe Urban systems, Ouachita Parish. Mr. Fryer served as project manager and surveyor responsible for conducting topographic surveys, property surveys, and developing right-of-way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.
11/10 – 05/13	Project Surveyor for Contract No. 4400000685: Retainer Contract for Professional Surveying Services - Statewide. This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/08 – 04/11	Project Surveyor on Contract No. 4400000638: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
11/11 – 01/15	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/18 – 03/23	Project Surveyor on Contract No. 4400012667: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period.
07/20 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Fryer performed a QA-QC check of the construction plans.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Fryer was responsible for QA-QC of the roadway plans for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project is being funded by the Ouachita Parish School Board, and will be constructed under a LDOTD Project Permit.

Firm employed by Lazenby & Associates, Inc.					
Name	**Hammons, Randy C., P.E.**			Years of experience with this firm/employer	21
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	8
Degree(s) / Years / Specialization			B.S. / 1993 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0029504 / Louisiana / 09/30/2023		
Year registered	2001	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Topographic Survey		

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).
	Mr. Hammons has in excess of 25 years of experience in planning and designing highways and bridges on transportation projects in Louisiana, Arkansas, Mississippi, and Tennessee. Mr. Hammons has approximately 15 years of experience supervising and processing topographic survey data, including establishing survey control, calculating existing alignments, creating digital terrain models (DTM's), and developing existing drainage maps for LDOTD projects. Mr. Hammons has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher)
10/14 – 06/17	Project Engineer processing topographic survey field data and development of topographic survey maps and images for State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained eight task orders to perform topographic surveys for various projects at a cost of $811,513 over a 3-year period. Some of the task orders for Topographic Surveys were as follows: State Project No. H.004774.5 – Kansas Lane – Garrett Road Connector & I-20 Interchange Improvements, in Ouachita Parish. (06/2015 – 06/2016). Topographic survey using GPS receivers and robotic total stations. State Project No. H.001270.5 – LA I-X: Natchitoches By-Pass on Keyser Avenue and the Cane River in Natchitoches Parish. (04/2017 – 07/2017). Topographic Survey of road and bridge replacement project using GPS receivers, robotic total stations and a SX-10 terrestrial scanner. State Project No. H.009997.5 – US 167: Johnston Street Improvements on Route US 167 in Lafayette Parish. (04/2017 – 09/2017). Topographic survey of a heavily traveled urban system route in Lafayette, Louisiana using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.
01/10/2017 – 01/10/2020	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract contained six task orders to perform topographic surveys for various projects at a cost of $989,478 over a 3-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.003370.5 – I-220/I-20 Interchange and BAFB Access, Route I-220 & I-20 in Bossier Parish (04/2018 – 10/2018). Topographic survey of the proposed I-220/I-20 Interchange and BAFB Access roadway in Bossier Parish using GPS receivers, robotic total stations, SX-10 terrestrial scanner, and mobile lidar. State Project No. H.007300.5 & H004774.5 – Kansas Lane – Garrett Road Connector and I-20 Interchange in Ouachita Parish (3/2018 – 9/2018) Topographic Survey of the proposed Kansas Lane - Garrett Road Connector and I-20 Interchange using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.

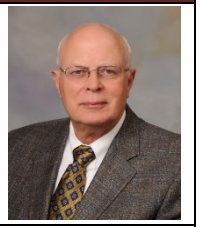
	State Project No. H.012036.5 – US 80: Boeuf River Bridge in Richland Parish (03/2019 – 6/2019). Topographic survey for a bridge replacement project at the US 80 crossing of the Boeuf River using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.
10/19 – present	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained fifteen task orders to perform topographic surveys for various projects at a cost of $1,825,144 over a 5-year time frame. Some of the task orders for Topographic Surveys were as follows: State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021). Topographic survey of the BNSF RR and several local urban routes and crossings in the town of Baldwin, Louisiana using GPS receivers and robotic total stations. State Project No. H.012030 – US 371: KCS RR Overpass HBI, Route LA 159 and US 371 in Webster Parish (10/2020-04/2021). Topographic survey of two bridge replacements over KCS RR using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021). Topographic survey of two bridge replacement sites using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. State Project No. H.013832.5 – LA 6: Grand Ecore Bridge Deck Repair, Route LA 6 in Natchitoches Parish (04/2021-06/2021). Topographic survey of the existing deck, barrier rails & river pier top of cap elevations for the Grand Ecore Bridge across the Red River using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate complete bridge deck & barrier rails. State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021). Topographic survey of a proposed roundabout site located at the intersection of LA 406 and Keating Dr and F.E. Hebert Blvd using GPS receivers and robotic total stations. State Project No. H.014554.5 – LA 3025: Coulee Mine Scour Repair, Route LA 3025 in Lafayette Parish (04/2021-07/2021). Topographic survey of a bridge located near the intersection of LA 3025 & West Bayou Parkway using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridge, roadway and intersection. State Project No. H.012541.5 – LA 594: Overpass I-20, Route LA 594 in Ouachita Parish (01/2022-06/2022). Topographic survey of a bridge replacement near the intersection of I-20 and LA 594 (Texas Ave) using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar used to locate 4,200 LF of I-20 mainline and two bridge decks over interstate. State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022). Topographic survey of a proposed 2.49 mi interstate widening near the intersection of Garrett Road and I-20 using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 7,130 LF of I-20 mainline.
01/20 - present	Project Engineer processing topographic survey field data and developing topographic survey maps and images for State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract has contained one task order to perform topographic surveys at a cost of $393,871 over a 5-year time frame. The task order for Topographic Surveys is as follows: State Project No. H.015052.5 – I-20 Widening & Improvements (Vancil to LA 34), Route I-20 in Ouachita Parish (05/2022-01/2023). Topographic survey of a proposed 3.94 mi interstate widening from Vancil Road to LA 34 along I-20 in West Monroe using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 20,815 LF of I-20 mainline.

Firm employed by Lazenby & Associates, Inc.					
Name	**Lawrence, Hagan H., P.E.**			Years of experience with this firm/employer	5
Title	Project Engineer			Years of experience with other firm(s)/employer(s)	2
Degree(s) / Years / Specialization				B.S. / 2015 / Civil Engineering	
Active registration number / state / expiration date				P.E. 0043645 / Louisiana / 03/31/2024	
Year registered	2019	Discipline		Civil Engineering	
Contract role(s) / brief description of responsibilities				Road Design, Hydraulic Design & Analysis	



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).
	Mr. Lawrence has 8 years of experience in performing drainage design, hydraulic analysis, and development of roadway plans on both LDOTD and local roadway projects. Mr. Lawrence is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Lawrence has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. Mr. Lawrence has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 LA Specific Traffic Control Supervisor Course, 2020 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
1/16 – 8/17	State Project No. H010287: Well Road Roundabout, Ouachita Parish. Mr. Lawrence Assisted with drainage design, preparation of roadway plans, and quantity calculations (with previous employer). This project involved the construction of a roundabout at the I-20 westbound ramp terminal with Well Road.
02/18 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Lawrence has assisted with subsurface drainage design, and assisted with development of drainage plan-profile sheets and design drainage maps. This urban project includes five multilane roundabouts and interstate ramp modifications. The final plans are currently 98% complete.
12/17 – Present	Ouachita Parish Police Jury Road Program. Mr. Lawrence is an integral team member of the Ouachita Parish Police Jury Road Program. His duties consist of developing pavement preservation roadway plans, including drainage design, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Mr. Lawrence has also assisted with processing of topographic survey data, as well as coordinating utility relocation efforts as required to facilitate construction of these projects. Some of the Ouachita Parish Urban Systems projects that Mr. Lawrence has provided professional services on include the following: State Project No. H.011745 – Sandal Street (Reconstruction) State Project No. H.011784 – Stubbs-Vinson Road (Mill, Patch and Overlay)(Project included 8' x 8' RCB) State Project No. H.013791 – Hadley Street (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.013776 – Well Road (Mill, Patch and Overlay) State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) State Project No. H.013804 – Wall Williams (Mill, Patch and Overlay)(Project included a 3 - 8' x 7' RCB) State Project No. H.013805 – Fink's Hideaway Road (Reconstruction/Mill, Patch and Overlay) State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay)(Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians)

	State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) (Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians) Mr. Lawrence assists with construction support on these projects, including answering contractor RFI's and verifying patching areas.
3/21-1/22	Pinecrest Road Intersection Improvements - Ouachita Parish Police Jury Roadway Safety Improvement Project. Mr. Lawrence was the design engineer for the Pinecrest Road Intersection Improvements for the Ouachita Parish Police Jury. This intersection was experiencing operational issues and was deemed substandard. Improvements included reconstructing approximately 175' of the approach roadway and improving the turnout radii. Mr. Lawrence oversaw the processing of topographic survey data, prepared roadway plans and contract documents, and provided construction support services during the construction phase of the project.

Firm employed by Lazenby & Associates, Inc.					
Name	**Lazenby, Jerry G. P.E., P.L.S.**		Years of experience with this firm/employer	41	
Title	President		Years of experience with other firm(s)/employer(s)	16	
Degree(s) / Years / Specialization			B.S. / 1965 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0002313/ Louisiana / 03/31/2024 P.E. 0012104 / Louisiana / 03/31/2024		
Year registered	1970 1970	Discipline	Professional Land Surveyor Professional Engineer (Civil and Environmental)		
Contract role(s) / brief description of responsibilities			Principal-In-Charge, Project Supervisor and Contract Management, QA-QC		

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).
	Mr. Lazenby has over 50 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of Mr. Lazenby's career were spend with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction. Mr. Lazenby has designed and supervised numerous projects for LDOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time. Mr. Lazenby has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making On this project, Mr. Lazenby meets MPR Requirements No. 1 and No. 2.
06/04 – 03/05 01/06 – 06/09	State Project No. 700-37-0102: US 165 (Jct. LA 841 – Rilla), Ouachita Parish. Mr. Lazenby was Principal-in-Charge of this project and performed QA-QC reviews of the plans. On this project Lazenby & Associates performed topographic surveys, property surveys, ROW maps, alignment studies, and prepared preliminary and final roadway plans on a 4.5-mile section of US 165 being widened and upgraded to a four-lane divided arterial route under the Louisiana TIMED Program.
05/00 – 05/04	State Project No. 700-99-0237: Retainer Contract for Professional Surveying Services, Statewide. Mr. Lazenby was Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys, property surveys, and develop ROW maps on various LDOTD projects in northern Louisiana.
01/04 – 05/07	State Project No. 700-30-0061: US 167 (Lillie to Arkansas State Line), Union Parish. Mr. Lazenby was Principle-in-Charge on this project and performed QA-QC review of the plans. On this project, Lazenby & Associates developed final roadway plans, final bridge plans, and ROW maps on a 7-mile section of US 167 that was widened to a four-lane rural and urban arterial route under the Louisiana TIMED Program.
07/10 – 12/13	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish. Mr. Lazenby was Principle-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed topographic surveys, property surveys, right-of-way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.

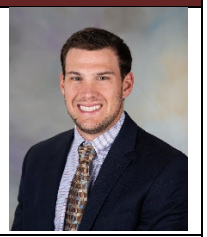
12/07 – 06/15	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Lazenby was Principle-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed topographic surveys, property surveys and developed right-of-way maps, preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.
09/17 – Present	State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Lazenby is Principle-in-Charge. On these projects, Lazenby & Associates performed topographic surveys, developed preliminary roadway plans, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.
10/14 – 06/17	State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby was Principle-in-Charge responsible for 8 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
01/17 – 01/20	State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby was Principle-in-Charge responsible for 6 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/19 – present	State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby is Principle-in-Charge responsible for 15 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/20 – present	State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. Mr. Lazenby is Principle-in-Charge responsible for this contract, which thus far has contained 1 Task Order to perform a topographic survey on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34).

Firm employed by Lazenby & Associates, Inc.					
Name	**Riggin, Ronald J., II, P.E., P.L.S.**			Years of relevant experience with this employer	11
Title	Project Surveyor			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			B.S. / 2006 / Civil Engineering		
Active registration number / state / expiration date			P.L.S. 0005119/ Louisiana / 03/31/2023 P.E. 0036016 / Louisiana / 03/31/2023		
Year registered	2014 2011	Discipline	Professional Land Surveyor Professional Engineer (Civil)		
Contract role(s) / brief description of responsibilities			Topographic Survey		

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).
	Mr. Riggin is familiar with the requirements of the LDOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. Mr. Riggin is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Mr. Riggin has over five (5) years of experience in conducting and performing topographic surveys, property surveys, and developing right-of-way maps. Mr. Riggin has successfully completed following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) ATSSA Course for Traffic Flagger, 2020 On this project, Mr. Riggin meets the MPR Requirement No. 4.
07/14 – 06/16	Retainer Contract No. 4400003471 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of $436,473.00 for LDOTD State Projects at various locations in northern Louisiana.
10/14 – 06/17	Retainer Contract No. 4400004541 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 8 Task Orders for an accumulated value of $811,513.00 for LDOTD State Projects at various locations in Louisiana.
04/13 – 06/16	Project Surveyor for Contract No. 4400002862, S.P. # H.008768 – Hydrographic Survey Monitoring of Existing Bridges – Statewide (North Region). Performed hydrographic surveys on 14 Task Orders for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.
04/14 – Present	Professional Surveyor of Record for developing topographic surveys and Property Surveys for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.
03/15 – 08/17	State Project No. H.011742: Ole Highway 15 Improvements, Ouachita Parish. Mr. Riggin performed a topographic survey of a 2.2-mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design. This project consisted of pavement reconstruction under the DOTD Urban Systems program. (Note that we typically perform a full topo survey, within existing right-of-way, on pavement preservation projects on Ouachita Parish roadways. This is not always done on pavement preservation projects in other parts of the state.)
05/16 – 02/18	Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5. Mr. Riggin performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish.

	He also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions.
09/18 – 01/23	Retainer Contract No. 4400012668 – Retainer Contract for Professional Surveying Services – Statewide (North Region). Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
06/18 – 09/18	State Project No. H.013776, Well Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.8-mile segment of Well Road from LA 838 to I-20 under the DOTD Urban Systems program.
08/18 – 11/18	State Project No. H.013798: Harrell Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.8-mile segment of roadway from US 80 to LA 616 under the DOTD Urban Systems program.
12/18 – 02/19	State Project No. H.013802: Garrett Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.4-mile segment of roadway from LA 15 to Austin Street under the DOTD Urban Systems program.
01/19 – 04/19	State Project No. H.013804: Wall Williams Road, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of segments of mill, patch, and overlay and segments of reconstruction of a 1.6-mile segment of roadway from Good Hope Road to LA 143 under the DOTD Urban Systems program.
04/19 – 07/19	State Project No. H.014348: Lee Avenue, City of Monroe, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.2-mile segment of roadway from Jackson Street to Standifer Avenue under the DOTD Urban Systems program.
07/19 – 09/19	State Project No. H.013796: Tanglewood Drive, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of roadway reconstruction a 0.3-mile segment of roadway from LA 15 to Dellwood Drive under the DOTD Urban Systems program.
02/20 – 04/20	State Project No. H.014347: South Grand Street, City of Monroe, Ouachita Parish. Mr. Riggin was responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.8-mile segment of roadway from Orange Street to Standifer Avenue under the DOTD Urban Systems program.
11/20 – present	Retainer Contract No. 4400019714 – Retainer Contract for Professional Surveying Services – Statewide (North Region). Performing hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties include supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.
01/17 – 01/20	Retainer Contract No. 4400009384 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of $989,478 for LDOTD State Projects at various locations in Louisiana.
10/19 – present	Retainer Contract No. 4400015326 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys at various locations in Louisiana. To date, 14 Task Orders have been issued for an accumulated value of $1,825,144.
01/20 – present	Retainer Contract No. 4400017710 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys at various locations in Louisiana. To date, 1 Task Order has been issued for a value of $393,871.

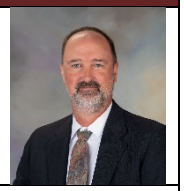
Firm employed by Lazenby & Associates, Inc.					
Name	**Sampognaro, Noah J., E.I.**			Years of experience with this firm/employer	2
Title	Engineer Intern			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization				B.S. / 2020 / Civil Engineering	
Active registration number / state / expiration date				E.I. 0034746 / Louisiana / 09/30/2023	
Year registered	2021	Discipline		Civil Engineering (E.I.)	
Contract role(s) / brief description of responsibilities				Road Design, Hydraulic Design & Analysis, Topographic Survey	



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).
	Mr. Sampognaro has 2 years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway plans on a variety of LDOTD and local roadway projects. Mr. Sampognaro passed his P.E. Civil Transportation exam in October 2022 and is currently enrolled in the University of Wyoming Cadastral Surveying Certificate Program. Mr. Sampognaro is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Sampognaro also assists in processing topographic survey and mobile LIDAR data, creating survey centerline alignments (ALG's) using horizontal regression analysis, developing digital terrain models (DTM's), and producing existing drainage maps for LDOTD topographic surveys. Mr. Sampognaro has successfully completed the following continuing education classes, workshops, and seminars: TOPO Dot User Conference, 2022 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022 LA Specific Traffic Control Technician Course, 2022 LA Specific Traffic Control Supervision Course, 2022
01/21 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Sampognaro assisted with calculating length of need for guard rail on the Loop Road site, and assisted with construction support by assisting with the final inspection and verifying pay quantities.
08/21 – 11/22	North Frontage Road – Phase 2, Ouachita Parish. Mr. Sampognaro assisted in the development of roadway plans, including performing drainage design calculations and developing existing and design drainage maps. Mr. Sampognaro also assisted with quantity calculations and preparation of a construction cost estimate. This project, which was prepared for the City of Monroe I-20 Economic Development District, consists of a 0.6-mile frontage road on new alignment north of Interstate 20, east of Garrett Road, in Monroe, Louisiana. Mr. Sampognaro also assisted in construction support activities, including, but not limited to, site visits to address contractor RFI's, assisting in processing pay estimates and change orders, and assisting with the final inspection and preparation of a punch list.
01/21 – 06/2022	State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract consisted of fifteen task orders to perform topographic surveys for various projects across Louisiana. Mr. Sampognaro assisted in post-processing topographic survey data which was collected with the use of GPS receivers, robotic total stations, and SX-10 terrestrial scanners, as well as using TOPO Dot software to extract data collected with a terrestrial mobile lidar scanner. His duties also included creating survey centerline alignments (ALG's) and associated reports using horizontal regression analysis, developing existing digital terrain models (DTMs), and producing existing drainage maps.

	Some of the task orders on which Mr. Sampognaro has assisted include the following: State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021) State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021) State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021) State Project No. H.012541.5 – LA 594: Overpass I-20, Route 594 in Ouachita Parish (01/2022-06/2022) State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022)
01/22 – 1/23	State Project No. H.015052: I-20: I-20 Widening/Overlay (Vancil Rd to LA 34). This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Mr. Sampognaro assisted in post processing the survey data, extracting mobile LIDAR data using TOPO Dot software, and creating the existing drainage map. He also assisted in quality control measures by comparing field data collected by the survey crew to LDOTD as-built drawings.
01/21 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Sampognaro has assisted with quantity calculations during final plan development, as well as assisting with preparation of a construction cost estimate. This urban project includes five multilane roundabouts and interstate ramp modifications. The final plans are currently 98% complete.
01/21 – Present	Ouachita Parish Police Jury Road Program. Mr. Sampognaro has assisted with the Ouachita Parish Police Jury Road Program. His duties consist of developing pavement preservation roadway plans, including design of cross drain structures, superelevation correction calculations, and quantity calculations, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Some of the Ouachita Parish Urban Systems projects on which Mr. Sampognaro has assisted include the following: State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) State Project No. H.014397 – Rowland Road (Mill, Patch and Overlay)
06/21 - Present	City of Monroe, Louisiana roadways. Mr. Sampognaro has assisted with City of Monroe roadways designed under the LDOTD Urban Systems program. His duties consist of developing pavement preservation roadway plans, including hydraulic design, quantity calculations, and construction cost estimates. Some of the City of Monroe Urban Systems projects on which Mr. Sampognaro has assisted include the following: State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay) State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) Mr. Sampognaro is currently assisting with construction support activities by field marking and verifying required areas of pavement patching.
08/22 – Present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Sampognaro assisted in the development of roadway plans and processing the topographic survey data, including creating the existing digital terrain model (DTM), drainage design, and quantity calculations. This project, which was prepared for the Ouachita Parish School board, consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington Louisiana.

Firm employed by Lazenby & Associates, Inc.					
Name	**Spillers, James R., P.E.**			Years of experience with this firm/employer	28
Title	Chief Roadway Design Engineer			Years of experience with other firm(s)/employer(s)	0
Degree(s) / Years / Specialization			B.S. / 1994 / Civil Engineering		
Active registration number / state / expiration date			P.E. 0028574 / Louisiana / 09/30/2023		
Year registered	1999	Discipline	Professional Engineer (Civil)		
Contract role(s) / brief description of responsibilities			Road Design, Hydraulic Analysis & Design		



Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
	Mr. Spillers has 28 years of experience in planning and designing highways, streets and bridges and related components on LDOTD projects. He has also served as designer and Project Engineer on several federal-aid Urban System projects for the Ouachita Parish Police Jury and City of Monroe. He is familiar with the LDOTD Minimum Design Guidelines, LDOTD Roadway Design Procedures and Details Manual, and the LDOTD Hydraulics Manual, as well as the AASHTO "Green Book", AASHTO Roadside Design Guide, and the Manual on Uniform Traffic Control Devices. Mr. Spillers has successfully completed the following continuing education classes, workshops, and seminars: LA Specific Traffic Control Technician Course, 2022 LA Specific Traffic Control Supervisor Course, 2022 One-Dimensional Modeling of River Encroachments with HEC-RAS, 2022 Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021 Bridge Backwater Computer Program (WSPRO), 1996 National Environmental Policy Act (NEPA) and Transportation Decision Making, 2008 Roundabout Design Workshop, Level 1, 2008 Roundabout Design Workshop, Level 2, 2009 Fundamentals of Planning, Design, & Approval of Interchange Improvements to the Interstate System, 2009 Highway Safety Manual Workshop, 2011 Access Management, Location and Design, 2014 Road Safety 365: A Safety Workshop for Local Governments, 2016 Mr. Spillers has in excess of 25 years of experience in preparation of roadway plans and development of roadway design projects. On this project, Mr. Spillers meets the MPR Requirement No. 3.
04/95 – 03/00	State Project No. 043-01-0017: Dugdemona River and Relief Bridges, Jackson Parish. Mr. Spillers performed a bridge hydraulic study, and assisted with preliminary and final roadway and bridge plans for two voided slab span bridges and roadway approaches on new alignment.
11/95 – 06/00	State Project No. 172-01-0011: Bayou De Glaise Bridge, Morehouse Parish. Mr. Spillers performed a bridge hydraulic study, and assisted with preliminary and final roadway and final roadway and bridge plans for a slab span bridge and roadway approaches on new alignment.
01/96 – 09/96	State Project No. 038-03-0022: US 425 (Bastrop – Log Cabin), Morehouse Parish. Mr. Spillers performed hydraulic studies for multiple slab span bridge sites, performed drainage design of cross drains, and assisting with preliminary plan preparation as part of expanded line and grade study for widening a 3.2-mile segment of US 425 to four lanes.
04/96 – 12/96	State Project No. 038-03-0024: US 425 (Log Cabin – Jct. LA 142), Morehouse Parish. Mr. Spillers performed a hydraulic study for twin girder bridges, performed drainage design for cross drains, and assisted with preparation of preliminary plans as part of expanded line and grade study for widening a 5.2-mile segment of US 425 to four lanes.

01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. La 913), Catahoula Parish. Mr. Spillers performed a hydraulic study for twin slab span bridges, performed drainage design for cross drains, and assisted with the preparation of preliminary and final roadway and bridge plans for widening a 4.5-mile segment of LA 15 to four lanes as part of TIMED program.
04/99 – 07/00	State Project No. 038-04-0008: Route LA 142 (Junction US 425 – North of DeButte Creek), Morehouse Parish. Mr. Spillers performed a hydraulic study, and prepared preliminary roadway and bridge plans for reconstruction of a 3.5-mile segment of a rural two-lane roadway. Project included a slab span bridge and an RCB.
01/01 – 09/04	State Project No. 002-01-0041: DeSiard Street (Monroe)(Louisville Avenue – Gilbert Street), Ouachita Parish. Mr. Spillers performed a hydraulic study for subsurface drainage, and prepared preliminary and final roadway plans for widening a 1.2-mile segment of US 80 to five lanes.
07/05 – 01/08	State Project No. 015-08-0026: US 165 (LA 841 – Rilla), Ouachita Parish. Mr. Spillers performed a hydraulic study and prepared preliminary and final roadway plans for widening a 6.5-mile segment of US 165 to four lanes as part of TIMED program.
05/07 – 05/10	State Project No. 713-33-0110: Steve Ogden Road Bridge Over Bayou Macon, Madison Parish. Mr. Spillers performed a bridge hydraulic study and prepared preliminary and final roadway plans for a girder bridge on new alignment. This project was successfully constructed with no change orders.
12/07 – 05/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Mr. Spillers assisted with the hydraulic study of subsurface drainage systems and prepared preliminary and final roadway plans for widening a 3.2-mile segment of LA 616 to five lanes, including four multilane roundabouts. The project included one bridge site, where an existing timber bridge was replaced with a RCB.
02/11 – 05/17	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Mr. Spillers performed hydraulic studies for two bridge sites, and prepared preliminary and final roadway plans on this project. The project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway.
03/14 – 09/16	State Project No. H.004608: Choudrant I-20 Service Road, Lincoln Parish. Mr. Spillers performed a bridge hydraulic study and also performed design of a subsurface drainage system, and prepared preliminary and final roadway plans for a 1.1-mile two-lane service road on new alignment.
02/18 – Present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Mr. Spillers prepared preliminary roadway plans and is nearly complete with final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans for this project are currently 98% complete.
08/21 – 11/21	North Frontage Road – Phase 2, Ouachita Parish. Mr. Spillers was in responsible charge of the development of roadway plans for a 0.6-mile frontage road north of Interstate 20 in Monroe. The owner on this project is the I-20 Economic Development District. Mr. Spillers also served as the project engineer during construction, and was responsible for responding to contractor RFI's, processing pay estimates and change orders, and closing out the project after final inspection.
07/20 – 06/21	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.), Ouachita Parish. This project consisted of the replacement of guard rail at three (3) sites in the City of Monroe. Mr. Spillers was responsible for length of need guard rail calculations and developing plans and contract documents, and served as project engineer during construction.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Mr. Spillers was responsible for preparing roadway plans and contract documents for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project is being funded by the Ouachita Parish School Board, and will be constructed under a LDOTD Project Permit.

16. Staff Experience:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Karla E. Weston, PE		Years of relevant experience with this employer	18	
Title	President		Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			Bachelor of Science / 1999 / Civil Engineering		
Active registration number / state / expiration date			31010 / Louisiana / March 31, 2024		
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Mrs. Weston will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.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, coordinate with the prime consultant and government agencies.
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:** 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, Alexandria, 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 replacement of the Jackson Street Bridge over the

	Red River.
06/12 – 10/12	**H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33** 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. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29** Ms. Weston served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	**Picardy Avenue Extension–City/Parish of East Baton Rouge:** Mrs. Weston served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.

16. Staff Experience:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Ralph Burgess, PLS		Years of relevant experience with this employer	12	
Title	Principal Land Surveyor		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			BS / 2004 / Industrial Design & Supervision, Southeastern LA University		
Active registration number / state / expiration date			5040 / Louisiana – September 30, 2024		
Year registered	2010	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities.			Mr. Burgess serves as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
09/21 – 03/22	**H.014747 Southern University Ravine Protection, East Baton Rouge Parish**:Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University The topographic data for this project was collected both traditionally and utilizing 3D Scanning. Mr. Burgess worked with SUE sub-consultant, TBS, as well as CD&C crews to obtain and incorporate all utility data as well.
08/21 – On-Going	**H.011833.5 St. Mary Street Sidewalks; Scott, LA**:Mr. Burgess was the Survey Manager for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.
7/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
03/22 – 09/22	**H.010960.5-2 Roundabouts at LA 182, Lafayette, LA**: Mr. Burgess served as Survey Manager for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
07/20 – 04/21	**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. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**: . Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
7/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16-08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15-12/18	**H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals
08/16-12/17	**H.011235 I-49 South at Verot School Road, Lafayette, LA**: Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07//14-10/15	**H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Mr. Burgess served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.

16. Staff Experience:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Chris Ballard, PLS		Years of relevant experience with this employer	8	
Title	Survey Project Manager		Years of relevant experience with other employer(s)	19	
Degree(s) / Years / Specialization			BS / 2004 / Biological Science / Southeastern LA University		
Active registration number / state / expiration date			5033 / Louisiana – September 30, 2022		
Year registered	2010	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities.			Mr. Ballard serve as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
09/01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**: Mr. Ballard is the Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Mr. Ballard served as the firms Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19-09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Mr. Ballard is serving Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
01/17-12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:** In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16 - 11/16	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA**: 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, Livingston and Tangipahoa Parishes, LA**: Mr. Ballard served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing **3D Terrestrial Scanning**.
10/15 - 12/18	**H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA**: 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, St. Tammany Parish, LA**: 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, East Baton Rouge Parish, LA**: 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	**260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA**: 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, Ascension Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with **3D terrestrial scanning.**

16. Staff Experience:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Madison Mills, PLS		Years of relevant experience with this employer	1+	
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2016 / Civil Engineering		
Active registration number / state / expiration date			PLS 5293/LA/03/31/2025		
Year registered	11/15/2022	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities.			Mr. Mills joined CD&C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
09/21 – 03/22	**H.014747 Southern University Ravine Protection, East Baton Rouge Parish**:Mr. Mills served as a Survey Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University The topographic data for this project was collected both traditionally and utilizing 3D Scanning.
08/21 – On-Going	**H.011833.5 St. Mary Street Sidewalks; Scott, LA**:Mr. Mills served as a Survey Tech for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.
03/22 – 09/22	**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 a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.

16. Staff Experience:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Trent Norris		Years of relevant experience with this employer	9	
Title	Senior Technician		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization					
Active registration number / state / expiration date			NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger		
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			Mr. Norris serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
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. Norris was the #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17 – 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
04/17 – 07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
08/16 – 01/18	**H.011235 I-49 Verot School Road, Lafayette, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/16 – 10/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/15 – 12/18	**H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
01/16 – 07/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.

16. Staff Experience:

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

Firm employed by	**Civil Design & Construction, Inc. (CD&C)**			
Name	Scott Benton		Years of experience with this firm/employer	**6**
Title	Senior Technician		Years of experience with other firm(s)/employer(s)	**5**
Degree(s) / Years / Specialization				
Active registration number / state / expiration date			ATSSA Traffic Control Supervisor, Technician & Flagger |	
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Mr. Benton serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
12/19 – 01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Mr. Benton served as a #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
03/14 – 06/14	**H.008369 Cleo Road Roundabout, St. Tammany Parish, LA**: Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13 – 07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
02/13 – 06/13	**H.005693 LA 447, Walker, LA**: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C's responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.
10/14 – 12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:** 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:

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

Firm employed by	Civil Design & Construction, Inc. (CD&C)			
Name	Bradley Jacobs, EI		Years of relevant experience with this employer	1
Title	Engineering Intern		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization			BS / 2015 / Civil Engineering	
Active registration number / state / expiration date			No. 0032456 / Louisiana / 09/30/2023	
Year registered	06/08/2015	Discipline	Engineering Intern	
Contract role(s) / brief description of responsibilities			Mr. Jacobs will process field crew data and finalize deliverables.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
01/15 – 05/15	**Albany Annex** - Worked on the boundary survey for extending the town limits of Albany, Louisiana. I went to the courthouse and did title research for the properties that were obtained for the annex. I set the new boundary lines for the new town limits. I also drew the map showing the boundary of the properties that were obtained.
06/15 – 06/19	**Pecue Lane** - Worked on Right of Way maps and the Traverse Control Sketch. For the Right of Way maps, I set where the monuments will be in the office. I also calculated the bearings and distances between each right of way monument. I also wrote the legal descriptions for the Right of Way and verified that it matches the maps. I also created the control sketch based off the traverse. All drawings were created up to DOTD Standards.
06/15 – 07/15	**Essen Lane Control** - Worked on Right of Way maps in the office and helped set monuments in the field. I set the points for all the right of way monuments in the office and then went to the field to assist the crews in staking out and setting the monuments 2021 Bellacosa Residential Subdivision - Generate Point file for the survey crew to stakeout the property corners for each lot within the subdivision.
04/21 – 05/21	**Jefferson and Corporate Interchange Survey** - Created the GPS control sketch that shows the traverse for the survey.
06/2021	**Pollard Branch** - Wrote the legal descriptions for three different tracts. The legal descriptions reflected the overall boundary survey maps. Topographic Surveys
06/14 – 07/14	**I-12 to Bush** – Worked as a rodman. We cut cross sections every 100 feet for road improvements and did a topographic survey using total stations.

16. Staff Experience:

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Firm employed by Vectura Consulting Services, LLC			
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineering	
Active registration number / state / expiration date		PE.0025383 / LA 9/30/2023	
Year registered	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
07/21 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Brin is the task leaders 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 – current	**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 – current	**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 Louisiana 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 the 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.
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:

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

Firm employed by Vectura Consulting Services, LLC			
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010	
Active registration number / state / expiration date		PE.0029901 / LA / 3/31/2024	
Year registered		Discipline	Civil
Contract role(s) / brief description of responsibilities		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
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 – current	**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.
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 Manual on Uniform Traffic Control Devices (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.
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.
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 the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, **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.
07/16 - 01/17	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Norfolk, VA)** At the request of the FHWA division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
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).
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 current 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.

16. Staff Experience:

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Firm employed by Vectura Consulting Services, LLC			
Name	Reece Rodrigue, PE, PTOE	Years of relevant experience with this employer	3
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042074 / LA / 3/31/2024	
Year registered	2017	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
04/21 - current	**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 projected 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.
07/21 – current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** 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.
01/21 – 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 was a project engineer, who participated 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 was a project engineer, who assisted 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.
04/20 - current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse)** Reece is the project engineer who **designed the temporary traffic signal** for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which were also used in planning for the permanent and temporary signal timing plans. Reece was also produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece reviewed and approved shop drawings that were submitted by the contractor.
04/21 - current	**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 projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
02/20 – 09/21	**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:

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

Firm employed by Vectura Consulting Services, LLC			
Name	Kristen Gahagan Farrington, PE, PTOE, RSP1	Years of relevant experience with this employer	2
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042785 / LA / 3/31/2023	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
04/21 - current	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** Kristen a project engineer for a **traffic design study and traffic signal design of 19 signals** along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA)** Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting **vehicular speed and volume data** at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the *FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations* were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project (Baton Rouge, LA)** Kristen assisted with the **data collection** task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	**H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA)** Kristen served as project manager for a **Stage 0** study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	**H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA)** Kristen served as project manager for a **Stage 0** study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA)** Kristen served as project engineer responsible for a **Stage 0** study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing

	safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the **Stage 0** report and coordinated with stakeholders and local agencies to ensure purpose and need of project is met.
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 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:

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

Firm employed by Vectura Consulting Services, LLC			
Name	Bridget Scheyd Robicheaux, PE, PTOE (Part-Time)	Years of relevant experience with this employer	5
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		B.S./2007/Civil Engineering M.S./2014/Civil Engineering	
Active registration number / state / expiration date		PE. 0041272 / LA / 3/31/2023	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
07/21 – current	**H.007160 EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.
06/21 - 06/21	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** Bridget assisted with the **traffic signal design of 13 signals** along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).
03/21 - 07/22	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** Bridget is part of the team responsible for **Construction Engineering and Inspection**. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.
04/20 - 07/20	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)** Bridget assisted the project engineer who **designed the temporary traffic signal** for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.
04/19 - 01/20	**Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafayette Parish, LA)** Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.
07/19 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple **reviews of traffic studies and traffic signal designs**. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.
10/17 - 07/18	**Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA)** Bridget developed base year traffic volumes to

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

16. Staff Experience:

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

Firm employed by Vectura Consulting Services, LLC			
Name	Clara Williams Foshee, PE (Part-Time)	Years of relevant experience with this employer	1
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		B.S./2015/Civil Engineering	
Active registration number / state / expiration date		PE.0044568 / LA / 09/30/2024	
Year registered	2020	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

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).
11/22 – current	**H.014746.1 Stage 0 LA 383 (Iowa, LA)** Clara is performing the **safety analysis** for this corridor study. She will develop Appendix C and the corresponding sections in Chapter 2 to comply with the DOTD TEPR process.
05/22 – current	**H.012370 Morrison Road Traffic Study: Mayo Boulevard to Bullard Avenue (New Orleans, LA)** Clara was the project engineer for a corridor study that evaluated reducing travel lanes to incorporate bike lanes. The study included **peak hour determination, turning movement counts with unmet demand, safety analysis, and intersection analyses using HCS 2023**. The study followed the DOTD TEPR process since the project received federal aid and will be reviewed by DOTD.
02/22 – 06/22	**MOVEBR Direct Select for Traffic Signal Design (Baton Rouge, LA)** Clara provided quality control for several components of this project. She reviewed the **traffic volume and safety** sections of several intersection design studies. She also verified the **estimated quantities for several traffic signal design plans**.
08/21- 07/22	**H.005168 NORG - Avondale PEL Study (Avondale, LA)** Clara provided quality control for Appendix C (Safety) and Chapter 2 (Existing Conditions), as well as assisted with the completion of Appendix D (Existing and No Build Analysis). The study followed the DOTD TEPR process and was reviewed by DOTD.
07/21 – current	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** Clara has verified **turn lane length calculations, vertical tree clearances, safety analyses, pedestrian countermeasures,** and other quality control reviews to assist the City of Baton Rouge with their reviews.
10/18 – 12/18	**Traffic Engineering Process and Report Flowchart (Hammond, LA)** Lead engineer in the design and production of a flowchart depicting the assembly of the new **Traffic Engineering Process and Report Flowchart**. While working as a staff member in DOTD District 62, she took the initiative to create a document clearly showing how the new Traffic Engineering Process and Report should be assembled via flowchart. This flowchart was intended to be used internally throughout District 62 but was seen and admired by DOTD Headquarters and spread throughout the state to serve as a supplemental guide for the creation of the new Traffic Engineering Process and Report.
1/19 – 3/19	**Unserviced Demand Data Collection and Peak-Hour Determination Spreadsheets (Hammond, LA)** Clara was a traffic engineering team member in the design and production of a set of spreadsheets intended to **standardize how unserviced demand is collected and how peak-hours are determined from peak-periods**. Working closely with fellow traffic engineers at District 62, she co-created a document containing multiple spreadsheets designed to allow the input of unserviced demand data collected in the field for various intersection types and configurations. This document then output reliable and accurate unserviced demand data to be used in studies and reports throughout District 62. While creating this unserviced demand document, she concurrently co-created a document containing multiple spreadsheets designed to determine the most appropriate and accurate peak-hour from a given set of volumes over a peak-period. Both documents took weeks to create and were continuously reviewed and edited to ensure they were as accurate as possible.


Section
17
LAZENBY
& ASSOCIATES, INC.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road, Survey	
Project name	Arkansas Road (West Monroe) LA 616		Firm responsibility (prime or sub?)	Prime	
Project number	S.P.N. H.002622	Owner's name	Louisiana Department of Transportation and Development		
Project location	Ouachita Parish		Owner's Project Manager	Fred Borne, P.E. (Retired)	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245 Telephone (225)379-1388 e-mail: Fred.Borne@la.gov				
Services commenced by this firm (mm/yy)	12/07	Total consultant contract cost ($1,000's)	$1,611		
Services completed by this firm (mm/yy)	06/15	Cost of consultant services provided by this firm ($1,000's)	$1,512		

Lazenby & Associates, Inc. was the prime consultant on this project, which involved the widening of a 3.2-mile segment of Arkansas Road (LA 616) from a two-lane arterial to a five-lane arterial with subsurface drainage. During final plan preparation, four (4) multi-lane roundabouts were added to the project, each replacing a signalized intersection, in an effort to improve safety through the corridor. The addition of ADA-compliant pedestrian facilities further improved safety on this project.

Lazenby & Associates, Inc., performed topographic surveys and property surveys, and prepared preliminary plans, final plans, and right-of-way maps. Major design components performed by Lazenby & Associates included road design, hydraulic analysis and design, geometric design, signing and striping plans, and sequence of construction. Construction support services were provided to LDOTD as needed during construction of the project.

One challenge encountered included developing a logical sequence of construction while maintaining through traffic. Another challenge on this project was the geometric design of the roundabouts and the development of the finished roadway grades due to the grades of the approach roadways. The close proximity of a church and cemetery to two (2) of the roundabouts, which limited available right-of-way, presented a further challenge.

Lazenby & Associates also assisted LDOTD in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings.

Key personnel involved in the project include the following:

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- Ronald J. Riggin, P.E., P.L.S.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- James R. Spillers, P.E.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.			Past Performance Evaluation Discipline(s)*	Road, Survey
Project name	Kansas Lane – Garrett Road Connector and I-20 Improvements			Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.007300	Owner's name	Louisiana Department of Transportation and Development		
Project location	Ouachita Parish		Owner's Project Manager	Catherine Mastin, P.E.	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245 Telephone (225)379-1652 e-mail: Catherine.Mastin@la.gov				
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost ($1,000's)		$2,997.4	
Services completed by this firm (mm/yy)	current	Cost of consultant services provided by this firm ($1,000's)		$1,436.3	

Lazenby & Associates, Inc. is the prime consultant on this project, which involves widening Garrett Road to four lanes in the vicinity of the I-20/Garrett Road interchange, and constructing a roadway and bridge over LA 594 and the KCS Railway to connect Garrett Road to Kansas Lane in Monroe. The project also includes a new Garrett Road overpass over I-20, five (5) multi-lane roundabouts, geometric modifications to the existing interstate ramps, subsurface drainage, lighting, an MSE wall, and a traffic signal.

Lazenby & Associates, Inc., performed topographic surveying services on this project, significantly extending the limits of the initial LDOTD topographic survey; prepared preliminary roadway plans; and are currently 98% complete with the development of final roadway plans. As the prime consultant, Lazenby & Associates, Inc., is also coordinating geotechnical engineering services, the development of bridge plans, the development of lighting plans, and the development of signalization plans and traffic management plans (Level 4 TMP) by other firms retained as sub-consultants. Major design components being performed by Lazenby & Associates, Inc., include road design, hydraulic analysis and design, geometric design, signing and striping plans, and sequence of construction.

One major challenge is to construct the project while maintaining traffic as much as possible. With this in mind, geometric design of the project, and specifically geometric design of the five (5) multi-lane roundabouts and development of proposed finished roadway grades, presented significant challenges. This has also resulted in a complicated suggested sequence of construction that consists of nine (9) phases.

Lazenby & Associates also assisted in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings, and developed technical special provisions for certain pay items.

Key personnel involved in the project include the following:

- Jerry G. Lazenby, P.E., P.L.S.
- Paul D. Fryer, P.E., P.L.S.
- Ronald J. Riggin, P.E., P.L.S.
- James R. Spillers, P.E.
- James S. Ellingburg, P.E.
- Randy C. Hammons, P.E.
- Hagan Lawrence, P.E.
- Noah Sampognaro, E.I.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	Guard Rail Replacement (Loop Rd., Pecanland Mall, and Plum St.)		Firm responsibility (prime or sub?)	Prime	
Project number	16E057.48 (L&A Project No.)	Owner's name	City of Monroe, Louisiana		
Project location	Ouachita Parish		Owner's Project Manager	Arthur Holland	
Owner's address, phone, email	400 Lea Joyner Expressway, Monroe, LA 71201 Telephone (318)329-2200 e-mail: arthur.holland@ci.monroe.la.us				
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost ($1,000's)	$14		
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm ($1,000's)	$14		

Lazenby & Associates, Inc. was the prime consultant on this City of Monroe safety project, which involved replacement of damaged guard rail at three locations within the city limits of Monroe, Louisiana. The existing guard rail was evaluated, and it was determined that the existing guard rail did not meet the requirements of current guard rail standards. Therefore, replacement, rather than repair, was desirable.

Using guidance from the *AASHTO Roadside Design Guide (4th Edition)* and LDOTD Standard Plans and Special Details, construction plans and contract documents were prepared for the removal of the existing guard rail and the installation of MASH TL-3 compliant guard rail systems.

Lazenby & Associates, Inc., performed necessary topographic surveys and prepared construction plans and contract documents. Construction support services were provided to the City of Monroe during construction of the project.

Key personnel involved in the project include the following:

- Paul D. Fryer, P.E., P.L.S.
- James R. Spillers, P.E.
- Noah Sampognaro, E.I.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	Pinecrest Road Intersection Improvements		Firm responsibility (prime or sub?)	Prime	
Project number	20E022.01 (L&A Project No.)	Owner's name	Ouachita Parish Policy Jury		
Project location	Ouachita Parish		Owner's Project Manager	John Tom Murray	
Owner's address, phone, email	337 Well Road, West Monroe, LA 71292 Telephone (318)387-2383 e-mail: jtmurray@oppj.org				
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)		$29	
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)		$29	

Lazenby & Associates, Inc. was the prime consultant hired by the Ouachita Parish Police Jury to improve the intersection of Pinecrest Road and LA 143 in Ouachita Parish. The existing intersection was experiencing operational issues. Lazenby & Associates, Inc. engineers conducted a site visit, and survey crews collected topographic survey data. Analysis of the survey data and observations made at the site indicated that the existing intersection geometry was substandard and did not meet design criteria.

Using guidance from the *AASHTO A Policy of Geometric Design of Highways and Streets* and the LDOTD *Roadway Design Procedures and Details* Manual, in addition to LDOTD Standard Plans and Special Details, construction plans and contract documents were prepared to reconstruct approximately 175 feet of the roadway approach to the intersection and also improve the turnout radii and sight distance at the intersection. The project was constructed under a LDOTD project permit.

Lazenby & Associates, Inc., performed topographic surveys, prepared roadway plans and contract documents, and provided construction support services.

Key personnel involved in the project include the following:

- Hagan Lawrence, P.E.
- James S. Ellingburg, P.E.
- Kevin E. Crosby, P.E., P.L.S.

17. Firm Experience:

Firm name	Lazenby & Associates, Inc.		Past Performance Evaluation Discipline(s)*	Road	
Project name	US 165 Turn Lanes at Scott Drive		Firm responsibility (prime or sub?)	Prime	
Project number	22E086.00 (L&A Project No.)	Owner's name	Ouachita Parish School Board		
Project location	Ouachita Parish		Owner's Project Manager	Steven Hemphill	
Owner's address, phone, email	1600 North 7th Street, West Monroe, LA 71291 Telephone (318)432-5000 e-mail: stevenhemphill@opsb.net				
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost ($1,000's)	$188		
Services completed by this firm (mm/yy)	current	Cost of consultant services provided by this firm ($1,000's)	$75		

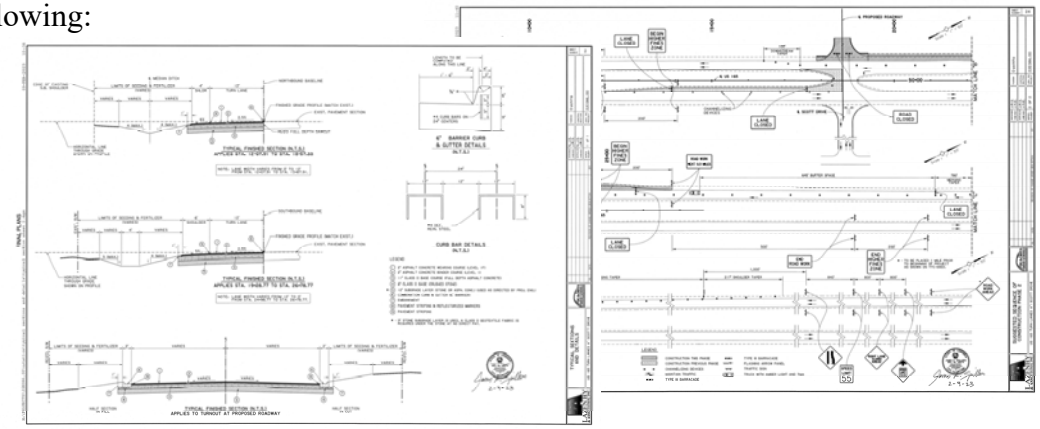
Lazenby & Associates, Inc. was the prime consultant hired by the Ouachita Parish School Board for a project on US 165 in Sterlington, Louisiana to add left and right turn lanes and modify an existing traffic signal at the intersection of US 165 and Scott Drive. The project is necessary to mitigate additional traffic demand in the area due to the construction of a new middle school, and will prevent motorists trying to access the new middle school from queuing in the travel lanes of US 165. The project is being funded by the Ouachita Parish School Board and will be constructed under a LDOTD Project Permit.

Using guidance from the *AASHTO A Policy of Geometric Design of Highways and Streets* and the LDOTD *Roadway Design Procedures and Details* Manual, in addition to LDOTD Standard Plans and Special Details, construction plans and contract documents were prepared. The project is currently advertised for bids, and construction is expected to begin in late spring, 2023.

Lazenby & Associates, Inc., performed necessary topographic surveys and prepared roadway plans and contract documents. Traffic signalization plans were prepared by a sub-consultant. Lazenby & Associates, along with two (2) sub-consultants, will provide construction support on the project.

Key personnel involved in the project include the following:

- Paul D. Fryer, P.E., P.L.S.
- James R. Spillers, P.E.
- Noah Sampognaro, E.I.



17. Firm Experience:

Firm name	**Civil Design and Construction, Inc.**		Past Performance Evaluation Discipline(s)*	**Survey**	
Project name	**US 190 Superstreet**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.005733**.5	Owner's name	**LADOTD**		
Project location	**St. Tammany Parish, LA**		Owner's Project Manager	**Josh Harrouch**	
Owner's address, phone, email	**1201 Capitol Access Rd., Baton Rouge, LA 70802/2225-379-123/Joshua.harrouch@la.gov**				
Services commenced by this firm (mm/yy)	**01/16**	Total consultant contract cost ($1,000's)		**N/A**	
Services completed by this firm (mm/yy)	**08/16**	Cost of consultant services provided by this firm ($1,000's)		**$207**	

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

Project Description: This project was the topographic survey of US 190 in Covington. The survey limits were along a portion of the existing routes of US 190, Holiday Square Frontage Road, US 190 Service Road, Holiday Blvd., Holycrest Plaza Driveway, Louis Prima Drive, Park Place Drive, Lake Drive, Crestwood Blvd., 9th Avenue, Three Rivers Road, River Highlands Blvd., Harrison Ave., Maple Ridge Ave., North 12th Street, Sunshine Ave., North 6th Street, Riverside Drive, and North 2nd Street and is approximately 2.9 miles in length.

CD&C's Role: CD&C's role was to provide the complete topographic survey and drainage map for this project including all utility coordination. The survey begins at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. The width of the survey and DTM extended to the Western Edge of Pavement to Eastern Edge of Pavement along US 190 and tied in with the existing topographic features picked up on the previous survey done under H.011137.5 and H.011152.5 (Interstate 12 Survey). This also included cross sectioning a portion of the Abita River in the project area. All topographic survey elements were performed in accordance with the latest LADOTD Location and Survey Manual and conformed to the latest standard practices/procedures. All deliverables were in LADOTD required formats. **3D Terrestrial Scanning** was used in conjunction with traditional means and methods to complete this project.

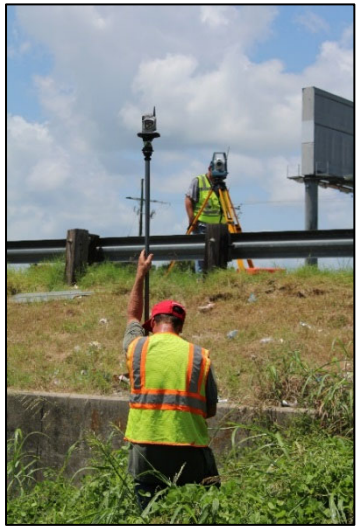
Members Involved: Karla Weston, PE, Ralph Burgess, PLS, Survey Manager; Christopher Ballard, PLS Survey Project Manager; Philip Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D Scanning Technician

Performed in LA: 100%

17. Firm Experience:

Firm name	**Civil Design and Construction, Inc.**		Past Performance Evaluation Discipline(s)*	**Survey**	
Project name	**I-10: LA 415 to Essen Lane on I-10 and I-12**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.004100**	Owner's name	**LADOTD**		
Project location	**West and East Baton Rouge, LA**		Owner's Project Manager	**Nicholas Olivier**	
Owner's address, phone, email	**1201 Capital Access Rd, Baton Rouge, LA 70802 / 225-379-1232 / Nicholas.olivier@la.gov**				
Services commenced by this firm (mm/yy)	**01/18**	Total consultant contract cost ($1,000's)		**N/A**	
Services completed by this firm (mm/yy)	**01/20**	Cost of consultant services provided by this firm ($1,000's)		**$296**	

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



Project Description: This project is located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, LA. A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits.

CD&C's Role: 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. **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.**

Member's Involved: Karla E. Weston, P.E.; Ralph Burgess, PLS. Christopher Ballard, PLS; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D scanning technician; John Ewing, Survey Tech

Performed in LA: 100%

17. Firm Experience:

Firm name	**Civil Design and 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)	**01/18**	Cost of consultant services provided by this firm ($1,000's)		**$435**	

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

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.

Members Involved: Karla Weston, PE; Ralph Burgess, PLS Survey Manager; Christopher Ballard, PLS Survey PM; John Ewing, Survey Tech; Trent Norris, 3D Scan Tech; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief;

Performed in LA: 100%

17. Firm Experience:

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Category(ies)*	Traffic	
Project name	I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study		Firm responsibility (prime or sub?)	sub	
Project number	H.004957.5	Owner's name	DOTD		
Project location	Lacombe, LA		Owner's Project Manager	Joachim C Umeozulu, P.E	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1386, Joachim.Umeozulu@la.gov				
Services commenced by this firm	09/16	Total consultant contract cost ($1,000's)	$1,895		
Services completed by this firm	05/17	Cost of consultant services provided by this firm ($1,000's)	$84		

As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- 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

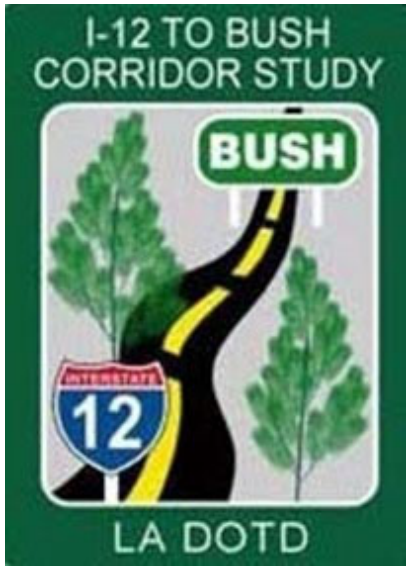
Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for Implementation and Design Years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- Developed 3-year crash analyses report as per DOTD standards



Personnel Utilized on this project: Brin Ferlito, Bridget Robicheaux, and Laurence Lambert (100% performed in Louisiana)

17. Firm Experience:

Firm name	Vectura Consulting Services, LLC	Past Performance Evaluation Category(ies)*	Traffic
Project name	East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program	Firm responsibility (prime or sub?)	sub
Project number	CP No. 19-CS-HC-0001	Owner's name	East Baton Rouge Parish
Project location	Baton Rouge, LA	Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	1100 Laurel Street Baton Rouge, LA 70802, (225) 389-3186 ext 5634, TStephens@brla.gov		
Services commenced by this firm	07/19	Total consultant contract cost ($1,000's)	unknown
Services completed by this firm	12/22	Cost of consultant services provided by this firm ($1,000's)	$873

As part of the East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic related deliverables from consultants for 25 capacity projects to date. Submittal review in various stages included but not limited to the following:

Scope

- Purpose and need, contract scopes, manhours and fees

Data Collection

- Raw tube counts, peak period determination, signalized / unsignalized intersection turning movement counts, unmet demand, explanation for any count discrepancies, speed data, peak period observations, geometric field documentation, sight distance, warrants analyses

Design Year Volume Development

- Travel Demand Model data, Growth rate methodologies in accordance with NCHRP 765, design year volume development

Existing and No Build Analyses

- HCS, Synchro, SIDRA, VISSIM, analyses for existing and No Build conditions based on traffic volumes, lane usage, truck percent, required SIDRA roundabout settings, speed, and Traffic Signal Inventory form information
- CATScan, collision diagrams, conflict points, crash analyses report as per DOTD standards
- Defined problems

Tier 1

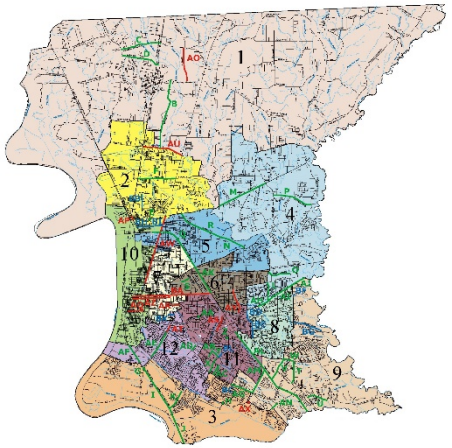
- Preliminary high-level list of alternatives based on defined problems and established comparison criteria.

Build Year Alternative Analyses

- Reviewed traffic volume redistribution, alternative conceptual layouts included access management, restricted median openings, signalized /unsignalized intersections, median U-turns at existing signal locations, RCUT intersections, and roundabouts
- Turn lane calculations, AutoTURN, construction cost estimates

Design

- Confirmed design plans matched recommendations in the Traffic and Design Studies
- Reviewed construction plans including geometric layout, striping, signs, roundabout and traffic signal design
- Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team



Personnel Utilized on this project: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue, Kristen Farrington and Clara Foshee (100% performed in Louisiana)

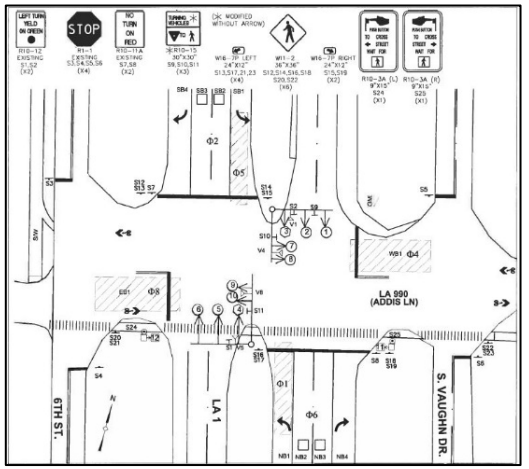
17. Firm Experience:

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Category(ies)*	Traffic	
Project name	LA 1 at LA 990 Crosswalk Study and Traffic Signal Design		Firm responsibility (prime or sub?)	Prime	
Project number	H.011558	Owner's name	West Baton Rouge Parish Government		
Project location	Slidell, LA		Owner's Project Manager	Kevin Durbin, PE, AICP	
Owner's address, phone, email	880 N. Alexander Avenue Port Allen, LA 70767 (225) 336-2434 Kevin.Durbin@wbrcouncil.org				
Services commenced by this firm	11/20	Total consultant contract cost ($1,000's)	$22.000		
Services completed by this firm	12/21	Cost of consultant services provided by this firm ($1,000's)	$22.000		

Vectura was hired by West Baton Rouge Parish to perform a Crosswalk Traffic Engineering study and to develop Traffic Signal Design plans for the intersection of LA 1 and LA 990 (Addis Lane) in Addis, LA. The crosswalk was first conceptualized as part of a trail that connects the Mississippi River Trail to points west of LA 1 in the West Baton Rouge Parish Comprehensive Plan (PlanWEST) dated 9/22/11 as well as included in a Stage 0 report titled CMAQ Proposal WBR-2 dated 04/30/14.

A Crosswalk Traffic Engineering Study was performed based on the Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 5 and included the following elements:

- Collected 24-hour traffic approach volumes, speed data, crash history and sight distance
- Collected AM and PM peak hour vehicle and pedestrian turning movement counts
- Developed **safety analyses** using 3-year crash data from Crash1 as per DOTD standards
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed AM and PM Peak **signal timing and progression** for existing conditions
- Performed AM and PM Peak **signal timing and progression** for future conditions



Traffic Signal Construction Plans was performed for LA 1 at LA 990 based on the latest DOTD Traffic Signal Inventory v3.2, DOTD Signal Design Manual, MUTCD & EDSM VI.3.1.6 Section 5. This task included signal timing parameter calculations, signal equipment layout, wiring diagram, DOTD pay items, estimated quantities and construction cost.

Vectura also assisted with the DOTD **Permit** Request for Intersection Control Devices on a State Right of Way

Personnel Utilized on this project: Brin Ferlito, Reece Rodrigue, Laurence Lambert and Bridget Robicheaux (100% performed in Louisiana)


Section
18
LAZENBY
& ASSOCIATES, INC.

18. Approach and Methodology:

1.0 – Introduction and Understanding of Contract Scope:

Lazenby & Associates, Inc., has assembled an outstanding team of diverse professionals that are well suited to provide superior professional services to LADOTD on this Indefinite Delivery/Indefinite Quantity (IDIQ) contract. Lazenby & Associates, Inc., has a long history of successfully teaming with LADOTD for roadway design and surveying projects.

We are excited to team with **Vectura Consulting Services, LLC**, who will be providing all necessary traffic engineering services, and **Civil Design & Construction, Inc.**, who will be providing topographic surveying services for any Task Orders (TO's) in south Louisiana. Both of these firms are LADOTD DBE-certified firms.

The Lazenby Team understands that the TO's to be issued will be safety projects. While it is unknown specifically what TO's will be issued, we anticipate that typical TO's could range from single intersection improvements such as roundabouts, J-turns, or traffic signals to corridor-wide safety improvements. **We have assembled a well-qualified team that is prepared to provide exceptional professional services for a wide variety of project types and magnitudes**.

We understand that the services to be provided under this IDIQ contract will generally consist of the following, as applicable to each individual TO.

- Topographic Surveys
- Traffic Control Design, including Traffic Signal Analysis and Design
- Preliminary and Final Roadway Design and Plan Development
- Development of Opinion of Probable Construction Cost
- Hydraulic Analysis and Design
- Road Design Services During the Environmental Process
- Special Provision Write-Ups
- Transportation Management Plans (TMPs)
- Quality Plan Reviews
- Construction Support

2.0 - Project Approach:

While LADOTD will obviously be our client for this project, **our relationship in working with the Department has been, and will continue to be, a partnership**, where we work alongside LADOTD for a common goal. To accomplish this, we will take the following approach:

- **Communication** - Effective communication is a critical component of a successful project. We will begin a line of communication with the LADOTD Project Manager (PM) upon notification of a TO and will continue that line of communication throughout the life of the project.
    - Upon notification of a new TO, we will communicate with the PM to gain a full understanding of the project scope, which will allow us to more accurately develop man-hour estimates and project schedules.
    - We will communicate with local stakeholders, especially LADOTD District Headquarters personnel, to get input early in project development. We have found through past experience that this is an effective way to reduce the number of review comments and plan revisions, which will ultimately allow us to more efficiently complete the project.
    - **Our communication efforts will include documentation of every review comment, with a written response showing how that comment was addressed**. The comment responses will be included with each plan submittal beginning at the 60% Preliminary Plan stage.
- **Budget** – Staying on budget is a critical aspect of any construction project. While we have no control over unit prices, and recognize the highly volatile nature of construction costs, we will make every effort to provide the most economical solution that meets the goals of the project and satisfies the project constraints.
    - We recognize that simply staying on or ahead of schedule, allowing the project to be bid on time or early, is critical to keeping a project within budget.
    - We are committed to providing a quality product, which will reduce change orders and project overruns.
- **Time** - As noted above, we further recognize that staying on schedule is integral to staying on budget. We are committed to providing the resources necessary to ensure that projects are delivered on time or ahead of schedule.
- **Quality** – Each of the Lazenby Team members has a history of providing superior professional services to LADOTD.

- **A Quality Assurance/Quality Control program will be prepared and adhered to as a means of ensuring that the highest standards of quality continue to be consistently met**. The QA/QC plan will be submitted to LADOTD within 10 days of the award notification.

- **Design within Project or Site Constraints** - The Lazenby Team recognizes that no two projects are the same. Site characteristics or constraints should be identified and considered early in the design process to avoid potential pitfalls and to aid in efficiently developing the plans.
  - To this end, we intend to make site visits early in the plan development process to help identify any unique site characteristics.
- **Balancing Construction Costs and Impacts to the Travelling Public –** One of the most important aspects of roadway design on any project is maintenance of traffic during construction. Obviously, the cheapest way to construct a project is via road closure, and this is sometimes feasible. However, usually this is not the case, and traffic must be maintained throughout the project limits. **The Lazenby team will carefully evaluate each project to determine the most efficient method of construction while keeping in mind the needs of the travelling public**, and is prepared to develop Suggested Sequence of Construction plans which balance the needs of the contractor and the public to the extent possible. All key members of the design team have received certification as Traffic Control Supervisor.

3.0 – Methodology:

The Lazenby Team is intimately familiar with the plan preparation process as outlined in Figures 1-02 and 1-03 of the LADOTD *Roadway Design Procedures and Details Manual*. The methodology that our team will use to successfully complete TO's is as follows:

- **Kick-off Meeting** - Upon receipt of a TO, a Kick-off meeting will be held with LADOTD to discuss the project. One of the benefits of this meeting is to allow the design team to gain a clear understanding of the goals of the project and the expectations of LADOTD. This is an opportunity for our design team to obtain vital information such as as-built plans; previous studies, including Stage 0 studies; available traffic data; environmental studies; etc.

  We will provide minutes from the Kick-off meeting to all attendees. Information gained from this meeting will be used to develop a scope of work, man-hour estimate, and schedule.
- **Data Collection** - After LADOTD approval of our scope of work and man-hours, and upon receipt of a Notice to Proceed (NTP), initial data collection can begin. This may involve traffic data collection and typically will involve conducting a topographic survey.
  - The Lazenby Team has extensive experience in conducting topographic surveys for LADOTD thru previous design projects and multiple survey IDIQ contracts. We have the capability to utilize **terrestrial, mobile or aerial LIDAR scanning**, as well as traditional survey methods, to generate a complete and accurate topographic survey. It is understood that SUE information for projects under this contract would normally be provided by LADOTD if they are required for a particular site. However, **Civil Design & Construction, Inc., has the capability to conduct SUE services** to locate underground utilities, and we will be happy to perform SUE services as part of a TO if necessary.
  - The Lazenby design team will conduct our initial site visit during the data collection phase to evaluate the site and gain a greater understanding of the site characteristics and any potential constraints or challenges. We will schedule a meeting with local LADOTD personnel around our site visit to get the District's input early on in project development.
- **Preliminary Plans** - After the data collection phase has been completed, the preliminary plan process will begin. **Construction plans will be developed in accordance with standard design guidelines**, including, but not limited to, LADOTD Minimum Design Guidelines, LADOTD *Roadway Design Procedures and Details Manual*, AASHTO's *A Policy on Geometric Design of Highways and Streets*, and AASHTO's *Roadside Design Guide*. **The Lazenby Team is familiar with LADOTD's CADD Standards and all plan sheets will be in conformance at each submittal stage.**
  - <u>30% Preliminary Submittal</u> - A Design Report Form will be completed and submitted with the 30% preliminary plans to document the site-specific design criteria to be used and any necessary design waivers for situations where the preferred design guideline cannot be met. At the 30% preliminary submittal stage, the plan set will generally consist of a title sheet, preliminary typical

section sheets, and plan-profile sheets with topographic survey data and preliminary alignment information shown.

- 60% Preliminary Submittal - A Hydraulic Study, detailing all preliminary plan drainage calculations, will be completed and submitted as part of the 60% Preliminary Plan submittal. At the 60% preliminary plan stage, vertical alignment information, roadway geometry, and proposed drainage structures will have been added to the plan-profile sheets, along with limits of construction and preliminary right-of-way taking lines. This plan set will also include cross section sheets, geometric details, drainage plan-profile sheets (if required), and design drainage maps. Preliminary sequence of construction sheets will be in progress at this stage of plan development. **Written responses to all review comments will be submitted with this and all subsequent plan submittals**.
- 95% Preliminary Submittal – Our 95% Preliminary Plan Submittal will essentially be a complete set of preliminary plans, including a listing of all anticipated pay items. On projects involving traffic signalization work, the proposed hardware locations and new signal timings will be complete at this point. **Our 95% Preliminary Plan Submittal will** also **include an Opinion of Probable Construction Cost (OPCC).** We have found on previous projects that having the initial cost estimate prepared at this stage can be beneficial for the Plan-in-Hand (PIH) Inspection meeting. The OPCC will typically be prepared using the Cost Estimating Tools that are available on the LADOTD website. We will provide meeting minutes of the PIH meeting if requested to do so by the Project Manager.
- 100% Preliminary Submittal – The 100% Preliminary Plan Submittal will involve a complete preliminary plan set with all PIH comments addressed. At this point final taking for right-of-way and servitudes will be established. Any necessary Permit Sketches for the Environmental Clearance process will also be produced during this phase of plan development. This submittal will also include an OPCC and the Road Design 100% Preliminary Plans QA/QC form. Also, after the PIH inspection, project plans are developed to the point where any necessary Design Exception Requests or Design Wavier Requests can be prepared. These documents, if required, may be included with the 100% Preliminary Plan Submittal or may be submitted independently.

- **Final Plans** – After the project has been environmentally cleared, final plan development will begin upon receipt of NTP. It is during this phase of plan development that final detail sheets will be prepared, final quantity estimates will be calculated, and any necessary special provisions are written. We will coordinate with the LADOTD PM to establish or update (as applicable) the schedule for final plan deliverables.
  - 60% Final Submittal – We will have finalized the drainage design and will have Summary of Drainage Structure sheets completed at this stage. The 60% Final Plan submittal will also include various detail sheets as applicable to the project, such as Pavement Striping Layouts, Joint Layouts, and Graphical Grades. In accordance with the LADOTD Traffic Signal Design Manual, for projects involving traffic signal work, this submittal will also include the proposed signal wiring plan, a list of items for signal work, and any necessary special foundation designs. A revised, final report containing the project's drainage calculations will be included in the 60% Final plan Submittal.
  - 95% Final Submittal – The 95% Final Plan Submittal, or Advance Check Print (ACP) Submittal, will consist of what is essentially a complete set of construction plans, with all necessary plan sheets accounted for in the plan set, including Summary Sheets and Summary of Estimated Quantities sheets. The LADOTD Plan Quality Unit (PQU) would typically review the plans at this point in the plan preparation process, although we have had some recent projects that the PQU chose not to review. The submittal will also include an updated OPCC and a completed Plan Constructability Review Form.
  - 98% and 100% Final Submittal – Submittals at this stage will include a complete set of construction plans, along with any necessary Special Provisions, a revised OPCC. The 98% submittal will include a Stormwater Pollution Prevention Plan and a Contract Time Worksheet. The 100% submittal will include a sealed and signed set of construction plans, a bound set of calculations, a completed Road Design Final Plans QA/QC form, and a final OPCC.
- **Traffic Control Design, Traffic Signal Analysis and Design, and TMP's** – All necessary traffic related professional services will be performed by Vectura

Consulting Services, LLC. Their team of professional engineers are also certified as PTOE's and have successfully completed the LADOTD Traffic Engineering Process and Report (TEPR) training requirements. Traffic services will be provided in accordance with LADOTD's *Traffic Signal Design Manual*, *Sign Manual*, *Pavement Markings Manual*, and TEPR.

  - TMP's will be prepared in accordance with EDSM VI.1.1.8. Vectura staff will use their experience working with LADOTD on the TEPR process to successfully implement a Work Zone Impact Management Strategy to develop optimum detour routes and minimize risk and delays to the travelling public.

- **Construction Support** – The Lazenby team has experience providing construction support services on previous LADOTD projects and is prepared to assist the Department as necessary during the bidding phase and during the construction phase. We realize that time is of the essence when responding to construction issues and will respond in a timely manner to RFI's, requests to review shop drawings, and providing any necessary plan revisions. We will be available for meetings with DOTD and the Contractor with 24-hour's notice.
- **Special Provision Write-Ups** – Lazenby & Associates has experience writing special provisions for non-standard pay items and is familiar with the format typically used on LADOTD projects.
- **Hydraulic Analysis and Design** – Our design team has many years' worth of experience in hydraulic analysis and drainage design for transportation projects for LADOTD and local clients. We are familiar with the LADOTD Hydrwin software, HEC-RAS, and the processes outlined in the LADOTD *Hydraulics Manual*.
- **Quality Plan Reviews** – Our many years of experience in roadway design makes us amply qualified to provide plan reviews of work performed by others. We regularly perform plan reviews on behalf of local clients such as the City of Monroe, I-20 Economic Development District, and the Ouachita Parish Police Jury.
- **Road Design Services During the Environmental Process** – We have assisted LADOTD in the environmental clearance process on multiple previous projects, and are prepared to assist in public meetings by preparing exhibits, setting up displays, giving presentations, and answering questions as required. We are also experienced in preparing drawings for permitting.

Sample IDIQ Road Design Safety Project Schedule

Task	Estimated Time (Months)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Kick-off Meeting																		
Initial Field Data Collection																		
Traffic Data Collection																		
Site Visit																		
Topographic Surveys																		
Preliminary Plan Development																		
30% Preliminary Plans																		
60% Preliminary Plans																		
95% Preliminary Plans																		
PIH Meeting																		
100% Preliminary Plans																		
Opinion of Probable Construction Cost																		
Environmental Services																		
Permit Sketches																		
Environmental Clearance (**By others**)																		
Right-of-Way Maps (By others)																		
Final Plan Development																		
60% Final Plans																		
95% Final Plans																		
98% Final Plans																		
100% Final Plans																		
Special Provisions																		
Opinion of Probable Construction Cost																		

4.0 – Schedule:

Shown to the left is a typical project schedule that is representative of a TO that could be issued under this contract. Obviously, the time required to complete a project will vary, depending on the project scope and magnitude, and will be dependent on external factors such as LADOTD review times and the time required for environmental clearance.


Section
19
LAZENBY
& ASSOCIATES, INC.

19. Workload:

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

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

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.
List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Lazenby & Associates, Inc.	Survey	4400015236 (L&A 18S053.00)	IDIQ Contract for Topographic Surveys – Statewide (Districts 04, 05, 08 & 58)	
		H.012030.5 (T.O. #17) (L&A 18S053.17)	US 371: KCS RR Overpass (HBI) Topo Survey Route LA 159 & US 371, Webster Parish 80% Complete	$44,470
		4400017710 (L&A 19S056.00)	IDIQ Contract for Topographic Surveys - Statewide	
			No Active Task Orders At This Time	
		4400019714 (L&A 20S038.00)	IDIQ Contract for Hydrographic Surveys – Statewide (Districts 04, 05, 08 & 58)	
			(T.O. #1) Hydrographic Surveying Services – Statewide (Districts 04, 05, 08 & 58) (35% Complete)	$40,010
		4400022901 (L & A, Inc. 22S015.00)	LA 3094: Hearne Ave. Bridge Replacement And US 80: KCS RR Overpass (HBI)	
		H.011094 (L&A 22S015.01)	Hearne Ave. Bridge Replacement (Drainage Maps) (Sub-Consultant to Stantec Consulting Services, Inc.) Caddo Parish	$20,570
	Road	440010428 H.004774.5 (L&A 17E051.00)	Kansas Lane – Garrett Road Connector & I-20 Improvement, Ouachita Parish (98% Complete) (Road Design – Urban & Road Design – Controlled Access)	$18,176

Civil Design & Construction, Inc.	Survey	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	$49,852
		H.011833.5	St. Mary Street Sidewalks	$3,236
		H.011235.5	I-49 South @ Verot School Rd	$370,120
Vectura Consulting Services, LLC	Traffic	H.010616	I-20: LA 544 Overpass Replacement	$120,664
		H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	$51,079
		H.005168.2	New Orleans Rail Gateway Avondale EA	$144,494
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
		H.012030.5	KCS RR Overpasses HBI	$28,026
	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	$49,600
	ITS	H.011504.5	Alexandria ITS Phase 2	$54,179

(Add rows as needed) DO NOT SUM

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

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


Sections
20 - 23
LAZENBY
& ASSOCIATES, INC.

20. <u>Certifications/Licenses:</u>
If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank**.

PLEASE SEE ATTACHED SHEETS

Certificate of Completion

presented to

James Ellingburg

for completing the

Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ryan Spillers

for completing the

Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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*

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: October 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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:

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

Firm Name (Name must match as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Civil Design & Construction, Inc.	3251 Southern Pacific Road Port Allen, LA 70767	Karla E. Weston, P.E., President kweston@cdcbr.com	225-765-1802
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809-9636	Sheelagh Brin Ferlito, bferlito@vecturacs.com	225-223-6685

(Add rows as needed)

23. Location:

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