ENTITY CONTRACT NO. 4400030630
STATE PROJECT NO. H.015724.5

KINGS HWY:
HEALTHCARE & DEV. CORRIDOR

FOR

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

NOVEMBER 21, 2024

SUBMITTED BY:

HORIZON ENGINEERING, LLC

1013 N. CAUSEWAY BLVD., SUITE 201
METAIRIE, LOUISIANA 70001

DOTD FORM: 24-102

(Revised September 17, 2024)

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	KINGS HWY: HEALTHCARE & DEV. CORRIDOR
2. Contract Number(s) as shown in the advertisement	4400030630
3. State Project Number(s), if shown in the advertisement	H.015724.5
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20**)	Horizon Engineering, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0007715
6. Prime consultant mailing address	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.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. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	Signature above shall be the same person listed in Section 9: November 21, 2024 Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Vectura Consulting Services, LLC	Firm(s)' %: 21%

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Horizon Engineering, LLC **(Prime)**	Vectura Consulting Services, LLC	C. H. Fenstermaker & Associates, L.L.C.	Ardaman & Associates, Inc.	Modjeski and Masters, Inc.	Each Discipline must total to 100%
Road	30%	90%	0%	10%	0%	0%	**100%**
Survey	10%	0%	0%	100%	0%	0%	**100%**
Traffic	40%	50%	50%	0%	0%	0%	**100%**
Other (Lighting)	10%	10%	0%	0%	0%	90%	**100%**
Geotech	5%	0%	0%	0%	100%	0%	**100%**
ITS	4%	75%	25%	0%	0%	0%	**100%**
CPM	1%	100%	0%	0%	0%	0%	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	**100%**	**52%**	**21%**	**13%**	**5%**	**9%**	**100%**

13. Firm Size:

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Horizon Engineering, LLC	Principal	1	3
	Supervisor - Eng	0	3
	Engineer	2	3
	Environmental Pro[1]	0	1
	CADD Technician	1	1
	Inspector - Lead[2]	1	1
	Inspector[2]	2	4
Vectura Consulting Services, LLC	Supervisor - Eng	2	2
	Engineer	2	3
	Engineer Intern	0	2
	Supervisor - Other	0	1
	Senior Technician	0	2
	Technician	0	1
	Clerical	0	1
C. H. Fenstermaker & Associates, L.L.C.	Principal	1	3
	Supervisor - Eng	1	3
	Supervisor - Other	0	1
	Surveyor	1	5
	Engineer	1	12

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
C. H. Fenstermaker & Associates, L.L.C. (Continued)	Engineer Intern	0	10
	Party Chief	2	14
	Instrument Man	2	7
	Rodman	2	2
	Senior Technician	1	8
	Technician	0	11
	GIS Analyst	0	5
	CADD Operator	0	3
	Inspector - Lead	0	2
	Inspector - Certified	0	2
	Inspector	0	3
Ardaman & Associates, Inc.	Principal	1	2
	Supervisor - Eng	1	3
	Supervisor - Other	2	2
	Engineer	2	4
	Engineer Intern	3	6
	Senior Technician	7	9
	Technician	10	14

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Modjeski and Masters, Inc.	Principal	1	9
	Supervisor - Eng	1	14
	Supervisor - Other	0	7
	Engineer	0	10
	Engineer - Other	1	12
	Engineer Intern	1	14
	Senior Technician	0	3
	Technician	0	3
	CADD Technician	1	7

[1]Environmental Pro is available to assist with any potential environmental clearance issues if necessary.
[2]Inspectors will be used as needed for field investigation and traffic (vehicular and pedestrian) data collection/analysis.

14. **Organizational Chart**:

Legend

- • Work Zone Training (ATSSA Certified TCS, TCT, and Flagger)
- † Traffic Engineering Process and Report (TEPR) Training
- * Personnel Performing Traffic Engineering Analysis

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

CITY OF SHREVEPORT LOUISIANA

HORIZON ENGINEERING

Principal-in-Charge
John Karlin, SE, PE•†* (Horizon)

Project Manager
Brett Liuzza, PE•†* (Horizon)

Construction Support
Brett Liuzza, PE•†* (Horizon)
Ben Bartlett, PE, PTOE•†* (Horizon)
John Karlin, SE, PE•†* (Horizon)

Topographic and ROW Surveying

Lead Surveyor
Travis Bodin, MBA, PLS, PMP• (CHF)

Bradford Millett, PLS, EI (CHF)

Traffic Engineering
*Includes Pedestrian, Bicyclist, and Vehicular Data Collection/Analysis

Lead Traffic Engineer
Ben Bartlett, PE, PTOE•†* (Horizon)

Sheelagh Brin Ferlito, PE, PTOE•†* (Vectura)
Laurence Lambert, PE, PTOE, PTP•†* (Vectura)
John Karlin, SE, PE•†* (Horizon)
Brett Liuzza, PE•†* (Horizon)
Reece Rodrigue, PE, PTOE, RSP1•†* (Vectura)
Kristen Farrington, PE, PTOE, RSP1•†* (Vectura)

Geotechnical Investigation and Design

Lead Geotechnical Engineer
Robert Jewell, PE• (Ardaman)

Megan Bourgeois, PE• (Ardaman)
Robert Rousset, PE (Ardaman)
Ross McGillivray, PE (Ardaman)
Jarmon King, PE• (Ardaman)
Jessica Litt (Ardaman)

Road Design
*Includes Pedestrian and Bicyclist Facility Improvements

Lead Road Design Engineer
Brett Liuzza, PE•†* (Horizon)

Ben Bartlett, PE, PTOE•†* (Horizon)
John Karlin, SE, PE•†* (Horizon)
Dax Douet, PE (CHF)
Aimee Latiolais, PE (CHF)

Lighting Design

Lead Electrical Engineer
Jonathan Gerhart, PE (M&M)

Lead Structural Engineer
John Karlin, SE, PE•†* (Horizon)

Cullen Ledet, PE (M&M)
Erin Rodgers, PE (M&M)

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
2	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
3	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
4	Travis Bodin, MBA, PLS, PMP	C. H. Fenstermaker & Associates, L.L.C.	PLS #5067	LA	3/31/2026
5	Travis Bodin, MBA, PLS, PMP	C. H. Fenstermaker & Associates, L.L.C.	PLS #5067	LA	3/31/2026
6	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020 – Traffic Operations	LA USA	9/30/2026 3/29/2025
	Sheelagh Brin Ferlito, PE, PTOE	Vectura Consulting Services, LLC	PE #25383 - Civil	LA	9/30/2025
	Laurence Lambert, PE, PTOE, PTP	Vectura Consulting Services, LLC	PE #29901 - Civil	LA	3/31/2026
7	Jonathan Gerhart, PE	Modjeski and Masters, Inc.	PE #43052 – Electrical	LA	3/31/2025
8	John Karlin, SE, PE	Horizon Engineering, LLC	PE #44795 – Civil and Structural SE #081-008511 – Structural	LA IL	3/31/2025 11/30/2024

16. Staff Experience:

Firm employed by	**Horizon Engineering, LLC**		
Name	Brett Liuzza, PE	Years of relevant experience with this employer	1
Title	Co-Founder and Principal	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Civil Engineering	
Active registration number / state / expiration date		37753 / LA / 9/30/2025	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Role:** Project Manager and Lead Road Design Engineer **(Satisfies MPRs 1, 2, and 3)** **Responsibilities:** Road design (including pedestrian and bicyclist facilities), drainage design, traffic engineering, and coordination with City of Shreveport and DOTD.	

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).
05/08 – Present	• Over 16 years of road design, drainage design, and traffic engineering experience, including pavement preservation (asphalt mill and overlay and PCC pavement panel replacement) and improvements to pedestrian and bicyclist facilities. • Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course. • Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. • Completed Louisiana State Civil Service CPTP SCS Cybersecurity WBT.
07/13 – 04/16	**Jefferson Parish Submerged Roadways Program** **Owner:** Jefferson Parish. **Scope:** Evaluation of Hurricane Katrina related road damage and repair/replacement of deficient roads (85 PCC pavement streets and 8 miles of asphalt roads). **Cost:** ≈$50,000,000 (est.). **Role:** Civil Engineer. Evaluated roadway damage. Designed asphalt pavement milling/overlay and patching, PCC pavement panel replacement, sidewalk modifications, ADA compliant curb ramps, utility adjustments, and adjustments to drop inlets, manholes, and other drainage structures in the roadway. Prepared plans, specifications, and opinions of probable construction cost. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
05/21 – 12/22	**RR122 and RR123 Marlyville-Fontainbleau Groups G and H (FRC)** **Owner:** City of New Orleans. **Scope:** Road reconstruction, including drainage, sewer lines, water lines, curbs, driveways, sidewalks, and curb ramps. **Cost:** ≈$23,000,000 (est.). **Role:** Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed road, driveway, and sidewalk geometric layouts, asphalt pavement, concrete curb and gutter, 15" to 30" RCP, and sewer and water mains, valves, fittings, offsets, and house connections. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
07/12 – 10/16	**S.P. No. H.002550.6-R1 (Phase 1A) and H.009933.6 (Phase 1B) – MacArthur Interchange Completion** **Owner:** LaDOTD. **Scope:** Construction of entrance/exit ramps for Westbank Expressway and relocation of frontage road and associated utilities. **Cost:** ≈$42,000,000. **Role:** Civil Engineer. Designed roadway geometric layout, 15" to 48" RCP, 15" to 72" equivalent RCPA, 10" sewer force main relocation horizontally drilled underneath 4-lane roadway, and 8" water line relocation. Prepared plans, specifications, and opinion of probable construction cost.

Brett Liuzza, PE (Continued)

05/20 – 01/24	**Widening of Causeway Boulevard (Airline Drive to West Napoleon Avenue)** **Owner:** Jefferson Parish. **Scope:** Widening of existing 4-lane road and area-wide drainage improvements (1.0 miles of road and drainage). **Cost:** ≈$19,000,000 (est.). **Role:** Civil Engineer. Reviewed design of 15” to 72” RCP drainage system and tie-ins to surrounding drainage system. Designed asphalt pavement, concrete curb and gutter, pavement markings, sequence of construction, and temporary traffic control plan while accounting for site-related challenges, such as significant traffic demands, limited right-of-way, congestion of existing drainage and utilities, and the need to sequence construction to minimize disruptions to traffic.
09/20 – 07/22	**Milneburg Group B (FRC) Streets** **Owner:** City of New Orleans. **Scope:** Road reconstruction, including drainage, sewer lines, water lines, curbs, driveways, sidewalks, and curb ramps. **Cost:** ≈$7,400,000. **Role:** Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed road, driveway, and sidewalk geometric layouts, asphalt pavement, concrete curb and gutter, 15” to 30” RCP, 18x11 to 51x31 RCPA, and sewer and water mains, valves, fittings, offsets, and house connections. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
05/08 – 08/10	**S.P. No. 414-01-0039 – Nicholson Drive (LA 30) Segment 1 (Brightside/W. Lee to Gourrier/Burbank)** **Owner:** City of Baton Rouge. **Scope:** Widening of existing 2-lane asphalt road to 4 lanes (1.08 miles of road, drainage, and utilities). **Role:** Civil Engineer. Performed hydrologic and hydraulic analysis. Designed signalized intersection improvements to accommodate widened road, drainage system, utility relocations, grading, and pavement markings in accordance with LaDOTD requirements. Prepared preliminary plans, specifications, and opinions of probable construction cost.
07/13 – 05/22	**Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)** **Owner:** SLFPA-E. **Scope:** Fortification of the Lake Pontchartrain seawall and road, pedestrian, drainage, and lighting improvements (5.2 miles long). **Cost:** ≈$50,000,000. **Role:** Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed erosion control pavement geometric layout, tree preservation wall geometry, site grading, drainage pipes, drainage structures, drainage outfalls, and miscellaneous features. Prepared plans, specifications, opinions of probable construction cost. Coordinated with USACE and CPRA and prepared permit drawings for SLFPA-E, CPRA, and USACE. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
05/23 – 01/24	**S.P. No. H.014315.6 – Grafton Drive Pavement Rehabilitation** **Owner:** City of Slidell (LaDOTD LPA project). **Scope:** Repair/replacement of deficient PCC pavement panels, curb, driveways, and curb ramps. **Cost:** ≈$1,000,000. **Role:** Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared change orders and project closeout documentation.

16. Staff Experience:

<table>
<tr><td colspan="2">Firm employed by</td><td colspan="4">Horizon Engineering, LLC</td></tr>
<tr><td>Name</td><td colspan="2">Ben Bartlett, PE, PTOE</td><td colspan="2">Years of relevant experience with this employer</td><td>1</td></tr>
<tr><td>Title</td><td colspan="2">Co-Founder and Principal</td><td colspan="2">Years of relevant experience with other employer(s)</td><td>15</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="3">Master of Civil Engineering / 2010 / Civil Engineering
Bachelor of Science / 2008 / Civil/Environmental Engineering</td></tr>
<tr><td colspan="3">Active registration number / state / expiration date</td><td colspan="3">PE: 38980 / LA / 9/30/2026
PTOE: 4020 / USA / 3/29/2025</td></tr>
<tr><td>Year registered</td><td>PE: 2014
PTOE: 2016</td><td>Discipline</td><td colspan="3">Civil Engineer
Professional Traffic Operations Engineer</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="3">Role: Lead Traffic Engineer (Satisfies MPRs 1, 2, 3, and 6)
Responsibilities: Traffic engineering (pedestrian and vehicular), traffic signal and ITS design, road design (including pedestrian and bicyclist facilities), and coordination with City of Shreveport and DOTD.</td></tr>
<tr><td>Experience dates (mm/yy–mm/yy)</td><td colspan="5">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).</td></tr>
<tr><td>06/10 – Present</td><td colspan="5">• Over 15 years of traffic engineering, road design, and drainage design experience, including vehicular and pedestrian traffic studies, Intelligent Transportation Systems (ITS), pavement preservation (asphalt mill and overlay and PCC pavement panel replacement), and improvements to pedestrian and bicyclist facilities.
• Licensed Professional Traffic Operations Engineer with significant experience coordinating, designing, inspecting, and adjusting temporary traffic control to promote motorist, pedestrian, and worker safety within active construction zones.
• Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.
• Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.
• Completed Louisiana State Civil Service CPTP SCS Cybersecurity WBT.</td></tr>
<tr><td>04/23 – 01/24</td><td colspan="5">US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study
Owner: Jefferson Parish. Scope: Traffic study in accordance with LaDOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). Fee: ≈$190,000. Role: Lead Traffic Engineer. Led 5 field personnel for volume count, turning movement count, and driveway/median opening count equipment installation, peak period observations, and geometric field review. Determined peak period, peak hour, and unmet demand. Balanced volumes and prepared unbalanced and balanced volume maps. Performed traffic signal warrant analysis and crash data analysis. Prepared collision diagram and LaDOTD TEPR documentation.</td></tr>
<tr><td>10/18 – 07/19</td><td colspan="5">Lakeshore Drive Vehicular and Pedestrian Traffic Study
Owner: SLFPA-E. Scope: Vehicular and pedestrian traffic study along Lakeshore Drive. Fee: ≈$40,000. Role: Project Manager and Lead Traffic Engineer. Led data collection and analysis (volume counts, turning movement counts, and pedestrian counts). Reviewed traffic accident reports, existing roadway geometry (i.e., sight lines/distances), and crosswalk warrant analysis to determine traffic calming and pedestrian crossing improvement options.</td></tr>
</table>

Ben Bartlett, PE, PTOE (Continued)

08/24 – Present	**Zellwood Station Phase 3 Traffic Study** **Owner:** Private. **Scope:** Traffic study in accordance with FDOT requirements to evaluate access to the ≈10.4 acre Zellwood Station site from US 441 / W Orange Blossom Trail. **Fee:** ≈50,000. **Role:** Lead Traffic Engineer. Reviewed volume counts, turning movement counts, driveway/median opening counts, and crash data along US 441. Performed traffic signal warrant analysis and crash data analysis. Evaluated sight distance requirements. Prepared conceptual layouts for multiple alternatives, including signalized intersection with new turn lanes, median openings, and driveways and adjustments to timing of adjacent traffic signals.
05/23 – 01/24	**S.P. No. H.011779.6 – Power Blvd. Median Improvements and Pedestrian Traffic Study Review** **Owner:** City of Kenner (LaDOTD LPA project). **Scope:** Installation of a multi-use path and landscaping in the median of Power Blvd. as well as a pedestrian/bicycle truss bridge over Canal No. 1. **Cost:** ≈$3,400,000. **Role:** Project Manager and Lead Construction and Traffic Engineer. During construction, re-evaluated the location of a pedestrian crossing at Vintage Dr. and prepared a report that identified an improved crossing location based on vehicular and pedestrian traffic data as well as existing site features.
03/21 – 01/24	**S.P. No. H.013939.6 – Veterans Blvd Transit Signal Priority** **Owner:** Jefferson Parish (LaDOTD LPA project). **Scope:** Installation of new traffic signal controllers and a transit signal priority system along Veterans Blvd. (32 intersections between Loyola Dr. in Kenner and Pontchartrain Blvd. in Orleans Parish and 22 Jefferson Parish Transit buses). **Cost:** ≈$510,000. **Role:** Project Manager and Lead Construction Engineer. Coordinated priority system testing and advised on priority system requirements and operational gaps.
01/20 – 06/21	**Lakeside Mall / Severn Avenue Intersection Traffic Study and Improvements** **Owner:** Private. **Scope:** Traffic study to evaluate the Lakeside Mall entrance/exit along Severn Avenue. **Fee:** ≈$40,000 (est.). **Role:** Project Manager and Lead Civil, Traffic, and Construction Engineer. Led 4 field personnel for volume count, turning movement count, and pedestrian count equipment installation. Performed additional field observations during peak traffic/shopping periods. Performed warrant analysis. Designed expansion of the existing entrance/exit, drainage and utility relocations (sewer, water, electricity, gas, and internet), and ADA compliant pedestrian routes. Prepared plans and specifications.
06/10 – 09/14	**St. Charles Parish Road Maintenance Program (2010 – 2014)** **Owner:** St. Charles Parish. **Scope:** Annual inspection of all St. Charles Parish-owned roads and repair/replacement of deficient roads. **Cost:** ≈$1,500,000 annually. **Role:** Program Manager and Lead Civil Engineer. Led road inspections. Developed road repair/replacement priority lists for the verifiable expenditure of state/federal funds. Designed asphalt pavement milling/overlay and patching, PCC pavement panel replacement, sidewalk modifications, ADA compliant curb ramps, and utility adjustments. Prepared plans, specifications, and opinions of probable construction cost.
07/12 – 05/14	**City of New Orleans Streetscape Projects (Robert E. Lee at Paris Avenue, O.C. Haley Boulevard, St. Antony Avenue, and Broad Street at Washington Avenue)** **Scope:** Beautification program, including road reconstruction, pedestrian and bicyclist facility improvements, landscaping, lighting, and other aesthetic improvements. **Role:** Civil Engineer. Designed pavement, bike paths, sidewalks, and drainage. Prepared plans, specifications, and opinions of probable construction cost.

16. Staff Experience:

<table>
<tr><td colspan="5">Firm employed by **Horizon Engineering, LLC**</td></tr>
<tr><td>Name</td><td colspan="2">John Karlin, SE, PE</td><td>Years of relevant experience with this employer</td><td>1</td></tr>
<tr><td>Title</td><td colspan="2">Co-Founder and Principal</td><td>Years of relevant experience with other employer(s)</td><td>7</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="2">Master of Science / 2017 / Civil (Structural) Engineering
Bachelor of Science / 2016 / Civil Engineering</td></tr>
<tr><td colspan="3">Active registration number / state / expiration date</td><td colspan="2">PE: 44795 / LA / 3/31/2025
SE: 081-008511 / IL / 11/30/2024</td></tr>
<tr><td>Year registered</td><td>PE: 2020
SE: 2020</td><td>Discipline</td><td colspan="2">Civil Engineer and Structural Engineer
Structural Engineer</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="2">**Role:** Principal-in-Charge and Lead Structural Engineer **(Satisfies MPRs 1, 2, and 8)**
Responsibilities: Contract administration, lighting foundation design, and coordination with City of Shreveport and DOTD.</td></tr>
<tr><td>Experience dates (mm/yy–mm/yy)</td><td colspan="4">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).</td></tr>
<tr><td>09/17 – Present</td><td colspan="4">• Over 7 years of structural engineering experience, including anchor design and lighting foundation design.
• Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.
• Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</td></tr>
<tr><td>04/23 – 01/24</td><td colspan="4">**US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study**
Owner: Jefferson Parish. **Scope:** Traffic study in accordance with LaDOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). **Fee:** ≈$195,000. **Role:** Project Manager and Traffic Engineer. Led coordination with Jefferson Parish, LaDOTD Traffic Engineering Division, RPC, JPSO, and LSP. Prepared scope of work. Managed 6 field personnel for volume count, turning movement count, and driveway/median opening count equipment installation, peak period observations, and geometric field review. Reviewed peak period, peak hour, unmet demand, balanced volumes, and unbalanced and balanced volume maps.</td></tr>
<tr><td>09/17 – 03/22</td><td colspan="4">**Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)**
Owner: SLFPA-E. **Scope:** Fortification of the Lake Pontchartrain seawall and road, drainage, and lighting improvements (5.2 miles long). **Cost:** ≈$50,000,000. **Role:** Structural Engineer and Construction Engineer. Designed pile and sheet piling layouts, grade beams, tree preservation walls, slabs, expansion joints, retaining walls, drainage outfalls, sheet pile pipe penetrations, and light foundations. Assisted with preparation of permit drawings for SLFPA-E, CPRA, and USACE for construction in proximity to existing Bayou St. John floodwalls. Performed reinforcement inspections. Reviewed RFIs and submittals. Assisted with review of pay applications and preparation of change orders and project closeout documentation.</td></tr>
<tr><td>10/18 – 07/19</td><td colspan="4">**Lakeshore Drive Vehicular and Pedestrian Traffic Study**
Owner: SLFPA-E. **Scope:** Vehicular and pedestrian traffic study along Lakeshore Drive. **Fee:** ≈$40,000. **Role:** Traffic Engineer. Obtained and analyzed volume counts, turning movement counts, and pedestrian counts to assist with the determination of traffic calming and pedestrian crossing improvement options for Lakeshore Drive.</td></tr>
</table>

John Karlin, SE, PE (Continued)

10/23 – 01/24	**Relocation of East St. Bernard Highway and Associated Utilities (CMAR)** **Owner:** Port of New Orleans. **Scope:** Relocation of East St. Bernard Highway and associated utilities and construction of new bridge over railroad to facilitate construction of the ≈$1.8B Louisiana International Terminal (1.05 miles of road, drainage, and utilities and 1,100-foot-long bridge). **Cost:** ≈$50,000,000 (est.). **Role:** Lead Structural Engineer. Reviewed preliminary plans and other related information and prepared gap analysis identifying critical items to be addressed between preliminary and final design. Performed preliminary analysis and design of truss span (approximately 200 feet long) over railroad to reduce superstructure depth and bridge length. Prepared LaDOTD preliminary design report, including lane, shoulder, and median widths, superelevation, and other related design features, and value engineering proposals. Evaluated CMAR contractor value engineering proposals. Coordinated with LaDOTD, CMAR contractor, and other stakeholders.
05/19 – 09/21	**Lake Pontchartrain Causeway Southbound Bridge Rail Improvements** **Scope:** Installation of enhanced steel bridge rails and other miscellaneous repairs (≈138,000 anchors and 48 miles of steel rail) while maintaining ADT of over 20,000. **Cost:** ≈$40,000,000. **Role:** Construction Engineer. Inspected temporary lane closures of over 10 miles long. Managed 10 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Managed inventory for ≈$19,000,000 of stockpiled raw materials and inspected fabricated steel posts and rails prior to installation. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
09/17 – 03/18	**US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Conceptual Planning Study** **Owner:** NORPC. **Scope:** Conceptual planning study for potential intersection improvements (15 potential options). **Role:** Project Manager and Lead Traffic Engineer. Led coordination with RPC, LaDOTD, Jefferson Parish, and other stakeholders and the conceptual development of potential options to alleviate congestion, including modifications and improvements to the existing J-turn bridge, traffic signals, signage, and pavement markings. Prepared conceptual layouts for 15 potential options and opinions of probable construction costs for 5 potential options. Presented potential options to the public at public meetings.
07/21 – 12/22	**S.P. No. H.013897 – I-10 and I-12 College Flyover Ramp Design-Build** **Owner:** LaDOTD. **Scope:** Replacement of I-10 WB flyover ramp; widening and rehabilitation of I-10 WB bridge over Ward Creek; and rehabilitation of I-12 to I-10 EB ramp and Essen Lane bridge over I-12. **Cost:** ≈$52,000,000. **Role:** Lead Structural Independent Technical Reviewer. Reviewed plans and specifications. Analyzed reinforced concrete deck and barriers, 360' skewed continuous steel plate girders, steel cross frames, PPC girders, reinforced concrete diaphragms, rolled steel girders, steel diaphragms, reinforced concrete bents, drilled shafts, and PPC piles. Identified potential design and constructability issues.
01/21 – 01/24	**Rehabilitation of Causeway Boulevard/Airline Drive Interchange** **Scope:** Structural inspection and rehabilitation of 1950s elevated interchange (8 ramps, traffic circle, and 4 lane overpass). **Cost:** ≈$13,000,000 completed, ≈$46,000,000 (est.) remaining. **Role:** Project Manager, Lead Structural Engineer, and Lead Construction Engineer. Analyzed existing bents and girders. Designed structure jacking plan, steel girder strengthening and repairs, bent cap strengthening, reinforced concrete risers, post-installed adhesive anchors and reinforcing bars, elastomeric bearing pads, and coating of steel components. Prepared plans, specifications, and opinions of probable construction cost. Developed adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement. Designed emergency deck repairs to replace failed expansion joint with only weekend road closures.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	9
Title	Supervisor-Eng	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	B.S. / 1988 / Civil Engineer		
Active registration number / state / expiration date	PE. 0025383 / LA 09/30/2025		
Year registered	1993	Discipline	Civil
Contract role(s) / brief description of responsibilities	Quality Control		

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 leader for Vectura for the **Construction Engineering and Inspection of 24 traffic signals**. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – 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 DOTD.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)** Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed **signal timing plans** for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Brin developed a Pedestrian Crosswalk Study and **Traffic Signal Construction Plans** for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included **traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses**. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian **traffic signal equipment and pedestrian clearance timings** based on DOTD requirements. Brin assisted with **vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street**. From the design study, a set of **Traffic Signal Modification Plans** were developed to implement the recommended alternative.
08/15-05/17	**Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission Rockville, MD)** Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.

04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)** As the project engineer, Brin was in responsible charge for **data collection and design for three signalized intersections** as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer on behalf of EBR for performing **CE&I services for the construction of 11 traffic signals**. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)** Brin was the Project Resident Engineer for DOTD and EBR to perform **CE&I services for the construction of 21 traffic signals**. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	**S.P. 700-99-0477 Jefferson Hwy. Signal Design (Baton Rouge, LA)** Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included **traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout**. Design also included **traffic signal synchronization signal timing** and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)** Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included **traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate**. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)** Brin was the project engineer for the **design of 66 signalized intersections** on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC			
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP		Years of relevant experience with this employer	9
Title	Supervisor-Eng		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization			B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010	
Active registration number / state / expiration date			PE.0029901 / LA / 3/31/2026	
Year registered	Civil	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Data Collection and Traffic Management Plan Supervisor	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/24 – 03/24	**St Tammany Hospital Pedestrian Safety Study (Covington, LA)** Laurence was the project manager for a pedestrian enhancement plan for the St Tammany Hospital. In response to a pedestrian hit in the parking lot, Vectura was hired to evaluate previous pedestrian improvement plans, collect traffic / pedestrian counts, speed data, and lighting conditions. Based on the data collected, Vectura developed a plan that included short term and long term improvements to enhance safety on and near the hospital campus.
12/23 – 08/24	**H.972501.1 South Range Road Operations Study Stage 0 Feasibility Study (Tangipahoa Parish, LA)** Laurence was the Principal in Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The **corridor study** included traffic data collection, pedestrian / bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study (Slidell, LA)** As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
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.
06/21 – 02/22	**H.013267 Capital Area Pathways Project (Baton Rouge, LA)** Laurence was the project manager for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The **traffic design 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.
02/21 – 02/22	**St Charles Land Use Update (St Charles, LA)** As a subconsultant, Laurence was the lead transport engineer for the land use update plan for the parish of St Charles. The project consisted of identifying existing conditions, public participation / visioning, existing condition analysis, scenario development, and implementation.
09/20-04/21	**MOVEBR LA 67 (Plank Road) Enhancement Project (Baton Rouge, LA)** - Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and DOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the DOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.

01/20 – 12/20	**Southern University Mobility Study (Baton Rouge, LA)** As a subconsultant to CPEX, Laurence was the lead transportation engineer for the Southern Mobility Study. Laurence inventoried the bicycle and pedestrian infrastructure on the university campus. Laurence then identified gaps and areas of future needs based on the scheduled improvements on campus. Laurence also made recommendations to standardize the bicycle and pedestrian facilities for future implementation.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Laurence was the **project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection)** for proposed improvements College Drive. Since the I-10 interchange was included in the study, **approval from DOTD was required**. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
10/17-10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA)** Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence **collected AM & PM peak vehicle turning movement counts** as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop **growth rates and design year volumes**. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
07/16 – 01/17	**Commuter Enhancement and Network Resiliency Plan Southeast LA** Laurence worked in cooperation with the Capital Region Planning Commission (or “CRPC”) to augment their Metropolitan Transportation Plan update. Laurence worked specifically to identify short- and long-term opportunities to improve connections to jobs and enhance the resiliency of the five-parish CRPC Planning Area (or “Capital Region”) transportation network. Laurence was critically important in developing the data needs request and compiling existing plans. One of the key deliverables for Laurence as part of this project is to develop a list of short-term projects that provide maximum congestion relief and reliability to the transportation network. Another key component of the project was to develop transportation resiliency plan for the network.
01/17-07/17	**Minnesota Park Road Improvements Traffic Study (Tangipahoa Parish, LA)** Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 Feasibility study for Minnesota Park Road in Hammond, LA. Laurence utilized Sidra software to perform a **roundabout** alternative. The DOTD procedures for utilizing Sidra were followed for this project.
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.
03/10-09/10	**Downtown Baton Rouge Greenway (Baton Rouge, LA)** Laurence was the lead transportation engineer of a feasibility and cost study for integration of a new transportation infrastructure greenway into the existing layout of urban streets in and around Downtown Baton Rouge that included North Boulevard. The purpose of the greenway was to enhance bicycle and pedestrian users in the downtown area. Amenities proposed included way finding signage, path delineation by use of benches, bicycle racks, etc., lighting and landscape elements.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC			
Name	Reece Rodrigue, PE, PTOE, RSP1		Years of relevant experience with this employer	4
Title	Engineer		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			B.S./2013/Civil Engr.	
Active registration number / state / expiration date			PE.0042074 / LA / 3/31/2026	
Year registered	Civil	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Project Engineer	

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.
06/23 - Current	**H.012845.1 Connected & Autonomous Vehicles (C/AV) Team and Working Group Support** Reece is a member of the team to develop new policies and legislation related to C/AV.
06/23 - Current	**H.011507.1 Monroe Phase 3 SEA** Reece visited the project site to document the controller type and detection needs at each signalized intersection within the right-of-way.
07/21 - Current	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, Louisiana)** Reece is part of the team responsible for **Construction Engineering and Inspection**. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/23 – 02/24	**H.011504 Alexandria ITS Phase 2** Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.
06/22 – 02/23	**H.012381.5 ITS Fiber Management System Data Collection** Reece performed the field observations for 40 sites to verify the ITS FMS and inventory services.
04/20 - Current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)** Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Rd. for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the **Traffic Management Plan** that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes)** Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for **measuring anticipated construction quantities and producing a cost estimate** for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)** Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the **sequence of construction** for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.

09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish)** Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the **sequence of construction** for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 – 12/21	**Emergency Street Light and Traffic Sign Assessment (New Orleans, LA)** In response to the damage caused by Hurricane Ida, Reece **inspected streetlights** and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** Reece was the task leader for organizing and formatting the **data collection** of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	**Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA** Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	**H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish)** Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the **preliminary plans using CAD** software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	**Ochsner Main Campus Traffic Signals (Jefferson Parish)** Reece served as a design engineer for the **traffic signal plans** for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	**Loyola Interchange Modification Request, Kenner, LA** Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	**H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3** Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

16. Staff Experience:

Firm employed by	Vectura Consulting Services, LLC				
Name	Kristen Farrington, PE, PTOE, RSP1			Years of relevant experience with this employer	3
Title	Engineer			Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engr.		
Active registration number / state / expiration date			PE.0042785 / LA / 3/31/2025		
Year registered	Civil	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Project Engineer		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/23 – current	**H.972501.1 South Range Road Stage 0 (Tangipahoa Parish, LA)** Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study (Slidell, LA)** As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
04/22 – 11/23	**H.013267 Capital Area Pathways Project (Baton Rouge, LA)** Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB's are a new traffic control device for DOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, DOTD and MUTCD guidance.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) (Ascension Parish)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a **Stage 0** study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this **Stage 0** Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.
04/19 – 6/21	**H.013817.1 A 117 Improvements Stage 0 (Vernon and Natchitoches Parishes)** Kristen served as project engineer responsible for a **Stage 0** study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.
03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)** Kristen was the task leader for the preparation of a **Stage 0** study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the **Stage 0** Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.

11/18 - 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)** Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as **unmet demand observations and calculations**. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this **Stage 0** Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)** Kristen was the designer responsible for concept development, report writing, and impact analysis for a **Stage 0** study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** Kristen was the project engineer responsible for assisting with the site visits, data organization, **analysis of permanent alternatives and traffic control alternatives**, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

16. Staff Experience:

Firm employed by	C. H. Fenstermaker & Associates, L.L.C.		
Name	Travis Bodin, MBA, PLS, PMP	Years of relevant experience with this employer	19
Title	Vice President, Survey and Mapping	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		B.S. / 2004 / Industrial Technology MBA / 2021 / Business Administration	
Active registration number / state / expiration date		5067 / LA / 03-31-2026	
Year registered	2011	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Fenstermaker Principal; Meets MPR 4 & 5; ATSSA TCS, TCT, Flagger	

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).
Travis Bodin, MBA, PLS, PMP has extensive surveying, management, and coordination experience. He has served as the Lead Professional Land Surveyor for projects across Louisiana. His responsibilities have included the management of surveying/ROW services, utility relocation coordination, coordinating with parish, state, and federal agencies and sub-consultants, cost estimating, scoping, scheduling and planning, resource management, and construction management services. With his background in surveying and project management, Mr. Bodin has performed and participated in multi-million-dollar projects consisting of large scale topographic and bathymetric surveys, development of high accuracy GPS networks, landowner notification and documentation, the development of DTM, infrastructure documentation, GIS integration, and process and procedure development. Mr. Bodin has conducted management duties for both field and office activities on survey and engineering projects.	
03/20-05/20	**Hanks Drive/Landis Drive Pedestrian Improvements (East Baton Rouge Parish, LA)** Mr. Bodin served as the Surveyor Project Manager. This project was identified as a facility that presented an unsafe pedestrian corridor; thus, the project goals included providing a safe and accessible pathway for pedestrians along Hanks Drive and Landis Drive. Phases 2 and 3 include approximately 4,200-ft. of sidewalk along Hanks Drive from Victoria Drive to Dickens Drive and approximately 2,000-ft. of sidewalk along Landis Drive from Hanks Drive to Greenwell Street.
10/08-11/11	**East Pont des Mouton, Phase II – Water and Sewer Improvement and Roadway Widening (Lafayette Parish, LA)** This project included the widening of Approximately 1.4 miles of urban roadway reconstruction resulting in utility relocation and design of potable water distribution system and sanitary sewer collection system (gravity and force main). Mr. Bodin was the Lead Surveyor on this project. He led a full survey that was conducted to capture elevations and dimensions.
09/13 – 01/19	**LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379) (Calcasieu Parish, LA)** Mr. Bodin served as Lead Surveyor providing topographic, boundary, and route surveying to aid in the coordination with public and state agencies for the construction of a $60MM, 2.4-mile roadway. Services include mapping for the acquisition of agreements between Sasol and third-party utilities, platting for acquisition and dedication of property needed for various construction activities and state agencies, and Quality Control of construction activities that were conducted which included monument review and location mapping. Fenstermaker's survey tasks included topographic survey, ROW acquisition and mapping, generating parcels, acquiring 100+ parcels, and using laser scanning of manholes and ground penetrating radar for subsurface engineering. Mr. Bodin was responsible for field coordination, data processing, ROW generation, servitude and ROW mapping and topo surveys.

04/13-10/20	**Acadiana Regional Airport Access Road (Iberia Parish, LA)** This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-feet extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading. Mr. Bodin served as Project Surveyor.
05/19 – 03/21	**S.P. H.005967 Port of Lake Charles Rail at W. Sallier St. (Calcasieu Parish, LA)** Fenstermaker completed the topographic and boundary surveys, established control, processed data, reviewed title reports, established property boundaries, and mapped encumbrances for the ~0.75 miles Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD right-of-way maps along with COGOWIN legal descriptions were created. Mr. Bodin served as Project Principal and performed quality assurance and quality control tasks for this project.
06/12-Present	**S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road (Ascension Parish, LA)** Mr. Bodin is serving as the Survey Lead on the design and re-design of this roundabout project. Feasible project concepts were developed along with estimated construction costs for each concept, including right of way acquisition and utility relocation costs. Right of Way Map requirements were set forth by the LADOTD "Location & Survey Manual Addendum A". Mr. Bodin directed all surveying efforts, ROW mapping, and surveying other tasks.
07/14-10/17	**LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385) (Calcasieu Parish, LA)** Fenstermaker was contracted by Trunkline LNG for their plant expansion, drainage analysis and channel relocation. Fenstermaker completed a HEC-RAS model to determine the impacts of rerouting a major drainage channel that traversed the proposed expansion site. Fenstermaker performed topographic and boundary survey, generated right of way maps, and coordinated and managed utility relocations. Mr. Bodin was responsible for DTM generation and establishing the project controls, coordination of utilities and survey field activities, as well as processing all the data collected.
07/13-08/15	**S.P. No. H.010620: US 90 (I-49 South) Albertson Pkwy to Ambassador Caffery Design-Build (Lafayette Parish, LA)** Fenstermaker was the Design Engineer for James Construction. Mr. Bodin was the Surveyor responsible for managing all topo surveying provided by the sub-consultant on the improvements to the roadway. Some of the main elements of the six-lane mainline roadway project include an overpass at the BNSF Railway, a grade separation at Albertson's Pkwy and improved connectivity between US 90 and LA 182.
02/13-03/17	**Ham Reid Road Roundabout & Ext (Calcasieu Parish, LA)** This project involves engineering design and planning related to the improvement of intersection on Nelson Road at Ham Reid Road. Mr. Bodin was responsible for the Topographic Surveying and ROW Plats.
04/15 - 02/19	**Coach Williams Boulevard Extension (Calcasieu Parish, LA)** This is a $20 million project that involves the design of a 3-mile roadway. The new roadway is a 2-lane open ditch typical section, which will feature a roundabout, a railroad crossing, and a Sabine River Authority Canal crossing. The project will pass through several wetland areas. Mr. Bodin was the Project Manager and Lead Surveyor, responsible for coordinating the abstracting, topographic survey, and generation of all right of way and servitude plats.
12/08 – 07/18	**LADOTD Permit No. 03030387: Kaliste Saloom Road Widening, Intersection Improvements, Bridge, and CE&I (LA 3073 to LA 733) (Amb. Caffery to E. Broussard Rd) (Lafayette Parish, LA)** Mr. Bodin served as the Surveyor Project Manager. Fenstermaker performed the topographic survey of all cross street and road tie-ins, cross sections for the purpose of an existing elevation DTM and parcel boundaries effected by the ROW. Mr. Bodin was responsible for field crew coordination, topo/boundary surveys, ROW plats, monuments, data processing, plats and legal descriptions.

Firm employed by	C. H. Fenstermaker & Associates, L.L.C.		
Name	Bradford Millett, PLS, EI	Years of relevant experience with this employer	11
Title	Surveyor	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		PLS 5245 / LA / 03-31-2025 ATSSA TCS, TCT, Flagger	
Year registered	PLS – 2020	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Surveyor	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
Ms. Millett is a Professional Land Surveyor whose responsibilities consist of field crew coordination, data collection and processing, preliminary layout and design of boundary and right of way plats, ALTA surveys and Development and Planning subdivision platting process. Her experience also includes project management as well as public meetings, client relations, utility coordination, and other components associated with surveying services. Ms. Millett is also responsible for the preparation of proposals for the Engineering, Advanced Technologies, and Surveying Divisions.	
03/18-05/19	**City of Lake Charles Sidewalk Projects (Calcasieu Parish, LA)** Fenstermaker provided engineering services for sidewalk upgrades, designing over 13,000 feet of sidewalks, in the City of Lake Charles. Sidewalks varied in width between 5-feet and 6-feet, depending on available rights-of-way and servitudes. All existing sidewalks were brought up to ADA compliance standards. To accommodate the proposed sidewalk improvements, subsurface drainage was required along the corridor. Fenstermaker utilized the LADOTD Hydraulics Manual and software to design the inlet spacing and culvert sizes. Fenstermaker also worked with the City to determine the condition of the existing subsurface system using dye testing and subsurface video surveys. Fenstermaker completed a topographic survey of existing conditions, identified utility owners, and coordinated potential conflicts. Fenstermaker worked with utility providers to minimize impact and to promote cost savings to the overall project. Ms. Millett was responsible for coordinating survey crew tasks, processing the controls, processing collected, and coordinating utility identification and marking.
03/17-09/17	**Natchitoches Sports Complex Natchitoches (Natchitoches Parish, LA)** The City of Natchitoches constructed a new multi-million-dollar state of the art sports and recreation park located adjacent to LA Hwy 6 leading into the city from I-49. The 100-acre sports complex hosts youth sporting tournaments for baseball, soccer, and cross country running as well as Northwestern State intramural sporting events. The park includes a public park gathering area, 5-baseball fields, 4-soccer fields, concession stand structures, fishing ponds, walking trails, pavilions, covered batting cages, and many more site amenities. Fenstermaker was the lead sub-consultant and engineer of record for all improvements excluding the vertical building structures. Ms. Millett was responsible for processing survey data, performing quality control on the stakeout, and revising survey exhibits.
03/20-11/21	**Hanks Drive /Landis Drive Pedestrian Improvements, Phase 1 & 2 (East Baton Rouge Parish, LA)** Hanks Drive and Landis Drive are neighborhood streets in northern Baton Rouge, off Airline Hwy (US 190) north of Greenwell Springs Road (LA 37). This area experiences a high volume of pedestrian and bicycle traffic even in the absence of sidewalks. Fenstermaker provided topographic surveys and ROW services for Phase 1 and Phase 2 of the project, respectively, and those surveys were completed in accordance with LADOTD and MovEBR Standards ahead of schedule. Ms. Millett was responsible for completing the topographic survey, processing data, coordination with field crews, establishing project control, producing LADOTD deliverables, as well as producing the CAD file for the Engineer.

01/17-03/21	**Sasol Chemicals (USA) LLC - Road Traffic Intersection Improvements (USA) LLC (Calcasieu Parish, LA)** This project involved several intersection improvements on existing State Routes and in unincorporated areas of Calcasieu Parish to mitigate additional traffic from an LNG facility expansion. It involved roadway and drainage improvement design, as well coordination with the necessary agencies for QC reviews and permitting. Ms. Millett was responsible for quality control of maps and legal documentation, coordinating field crews, placing Louisiana One Call tickets for utility coordination, and preparing survey packets.
12/19-12/21	**LA 675 Roundabout and Acadiana Regional Airport Access Road (Iberia Parish, LA)** This project includes the design of a new roundabout at the intersection of LA 675, US 90 Frontage Road, and the Acadiana Regional Airport Access Road. Ms. Millet served as Lead Surveyor responsible for the topographic and boundary surveys, as well as the development and review of right of way maps.
05/19 – 03/21	**S.P. H.005967 Port of Lake Charles Rail at W. Sallier St. (Calcasieu Parish, LA)** Fenstermaker completed the topographic and boundary field surveys, established control, processed data, reviewed title reports, established property boundaries and mapped encumbrances for the approximately 0.75-mile Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD Right of Way maps along with COGOWIN legal descriptions were created. Ms. Millett served as the Project Manager.
05/14-11/17	**LADOTD Permit No. 153351,153352,153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (Calcasieu Parish, LA)** Fenstermaker was responsible for designing road improvements at various locations to support anticipated construction traffic associated with the expansion of the Lake Charles LNG, G2X, and Magnolia Facilities. Topographic and boundary surveys, right of way maps, as well as coordinating and managing utility relocations were performed by Fenstermaker. Ms. Millett prepared survey requests, coordinated survey crews, reviewed, and processed survey data, prepared right of way maps, and coordinated with utility companies.
02/18 – 04/20	**Churchpoint Road at Roddy Road Roundabout Study, Design, and Redesign (Ascension Parish, LA)** Fenstermaker completed a roundabout study at Churchpoint Road and Roddy Rd. Following LADOTD's approval, Fenstermaker began final design. Ms. Millett coordinated with survey crews, processed data, completed preliminary boundary layouts, and developed ROW maps for this intersection.
04/15-02/19	**Coach Williams Blvd. Ext (Calcasieu Parish, LA)** This project consisted of design services for the extension of Coach Williams to connect to Houston River Road (LA 379). Fenstermaker is the prime on this project and is responsible for the environmental assessments prior to design, drainage design, pavement design, and the geometrics of the road. In addition, Fenstermaker conducted the surveying required to design the road. Ms. Millett's responsibilities included coordinating and reviewing appraisal reports and plats, coordinating all the topographic and boundary surveys, processing data and coordinating with utility companies within the proposed route.
07/13-09/17	**Kaliste Saloom Road Widening, Ambassador Caffery Pkwy to E. Broussard Rd, (Lafayette Parish, LA)** Fenstermaker was responsible for the widening of approximately two miles of Kaliste Saloom Road, a highly congested major arterial roadway located in the center of Lafayette. The project included drainage outfall construction, utility relocations, and roadway construction. Fenstermaker is the direct responsible charge of all design components and construction management for improvements. Ms. Millett assisted with topographic and boundary surveying, utility relocation, right of way plats, drainage design, as-built surveys, and coordination of survey crews.
07/13-08/21	**Apollo Road (LA 93) Ext to Dulles Dr. (Lafayette Parish, LA)** Fenstermaker performed all topographic surveying of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM, and locations of all parcel boundaries effected by the proposed right of way. Ms. Millett created the plats for the acquisition of servitudes and right of ways.
05/15-11/21	**Ham Reid Road Ext (Calcasieu Parish, LA)** Ham Reid Road is a two-phase, $14.25 million construction project that includes a unique 1-mile asphalt roadway corridor, incorporating walkability and green infrastructure. The corridor includes a 2-lane boulevard section with a roundabout located at the intersection of Ham Reid Road and LA 384/Nelson Road. Ms. Millett was responsible for creating survey exhibits, processing survey data, and setting up and updating the project's Falling Weight Deflectometer tests.

16. Staff Experience:					
Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**				
Name	Aimee Latiolais, P.E.		Years of relevant experience with this employer	8	
Title	Engineer		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date			42932 / LA / 03.31.25 ATSSA TCS, TCT, Flagger		
Year registered	2018	Discipline	Civil		
Contract role(s) / brief description of responsibilities			Roadway		

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).
Ms. Latiolais is a Professional Engineer with experience in design, planning, and construction oversight. Ms. Latiolais's experience is in roadway design, both open channel and subsurface drainage systems, traffic studies, line and grade studies, commercial site design, and design of roundabouts. She has served as a design engineer for a multitude of transportation projects ranging from urban local to collector and arterial roadways.	
02/17-ongoing	**Verot School Road Interchange at U.S. Highway 90 (Lafayette Parish, LA)** Ms. Latiolais is a Design Engineer responsible for the widening of existing Verot School Road from Pinhook Road (LA 182) to existing US 90 from a 2-lane roadway to a median separated 4-lane roadway facility. She is designing horizontal and vertical roadway elements, intersection improvements to include a multi-lane roundabout, and open channel and subsurface drainage along Verot School Road, South College Road, Hugh Wallis Road, and the Service Road. Ms. Latiolais also aided in the project line and grade study and hosting the public meeting which followed the procedures set forth by LADOTD.
09/15-06/23	**Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA)** Ms. Latiolais is currently overseeing the construction of this $34 million project. Ms. Latiolais is a Design Engineer for the widening of approximately 1.7 miles of Kaliste Saloom Road, an over-capacity major arterial roadway located in the center of Lafayette, Louisiana. Ms. Latiolais was responsible for the subsurface drainage design for the entire project and utility relocations at the roundabout intersection, as well as, creating the official Opinion of Probable Cost and necessary construction documents. She also assisted in permitting and agency coordination with LCG, LADOTD, and DHH. She continues to aid in managing the construction effort on this project.
04/21-11/22	**Improvements to Duchamp Road (St. Martin Parish, LA)** Fenstermaker provided professional engineering and survey services for the improvements to the Duchamp Road in St. Martin Parish. The engineering team prepared the roadway and drainage designs. Ms. Latiolais was responsible for preparing and submitting the traffic study report to the Parish.
04/21-ongoing	**Improvements to Petroleum Parkway Ext. (St. Martin Parish, LA)** Fenstermaker provided professional engineering and survey services for the improvements to the Petroleum Parkway corridor in St. Martin Parish. Improvements included roadway and drainage modifications to improve the performance of the corridor and to reduce overtopping of the roadway during storm events. Ms. Latiolais served as project manager.
02/22-ongoing	**LA 182 (UNIV) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA)** The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Ms. Latiolais is serving as Deputy Project Manager.

03/16-ongoing	**Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA)** Ms. Latiolais is the Lead Design Engineer and Engineer of Record for Phase 3 of the new 2.2-mile, 4-lane boulevard roadway in Scott, Louisiana. She is responsible for the design of approximately 0.75 miles of the urban arterial roadway and open channel hydraulics. At the request of the project owners, Ms. Latiolais also produced an informal line and grade study for a multi-lane roundabout intersection with Apollo Road and the future Eraste Landry Road extension.
01/15-11/20	**Frem Boustany Drive Extension Phases 1 & 2 (Lafayette Parish, LA)** The Frem Boustany Drive Extension project in Lafayette Parish, LA involved the construction of a new 0.25 mile, 2-lane median-divided boulevard roadway with dedicated bike lanes and curb adjacent sidewalks. Fenstermaker was contracted by Lafayette Consolidated Government to perform preliminary and final plans, right of way plats, construction survey work and inspection during construction. During phase 1, Ms. Latiolais was involved in the project from the beginning, assisting with project management, roadway design, and drainage design. She also played a role in the subsurface hydraulic design, construction document preparation, bidding process, and construction administration services. Ms. Latiolais was responsible for managing the construction effort and oversaw the successful completion of the project. Phase 1 was completed in 2020. During the second phase, Ms. Latiolais served as the project manager.
03/18-12/19	**S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish, LA)** The Cane River Bridge Church Street (LA1-X) project in Natchitoches Parish, LA involved the preparation of an NEPA environmental assessment for the proposed replacement of the bridge. Fenstermaker was the prime consultant managing five consulting firms to develop the highly sensitive project environmental document due to the historical context of the project. Ms. Latiolais played a role in the project as an assisting engineer for the line and grade study portion of the Environmental Assessment. She completed intersection line and grades for the various alternatives proposed and assisted in preparing the line and grade report. Additionally, she assisted with the public outreach by hosting public meetings that followed the procedures set forth by LADOTD, and with agency coordination.
06/17-07/20	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish, LA)** Ms. Latiolais served as the engineer for the line and grade study portion of the Environmental Assessment. She assisted in the layout of three alternatives to the existing 2-lane roadway, which include combinations of 3-lane, 4-lane median-divided boulevard, and intersection improvements for the 1.4-mile corridor. Intersection improvements include two proposed roundabouts at Vancil Road and Avant Road, which were both designed by Ms. Latiolais. She also assisted in the preparation of the line and grade study report and cost estimating.
04/21-ongoing	**Spanish Trail Ind. Park Access Road (St. Martin Parish, LA)** Fenstermaker provided professional engineering and survey services to extend Lake Talon Road to LA 182 (Old Spanish Trail Highway) with an at-grade intersection in St. Martin Parish. Fenstermaker assisted the Parish with all planning efforts including preparing a traffic study, planning and coordinating with the BNSF railroad facility providing topographic survey services, preparing construction plans, preparing and submitting all required permits, and providing construction administration and inspection services. Fenstermaker managed subconsultants for traffic study and geotechnical investigation services. Ms. Latiolais served as the project manager.
09/22-ongoing	**US 61 Super Street: Nell & Churchpoint (Ascension Parish, LA)** As a subconsultant to engineering design firm Gresham Smith, Fenstermaker provided topographic and right-of-way surveys for US 61 Super Street (Airline Highway) project in Gonzales, LA. Ms. Latiolais served as the project manager and was responsible for project administration tasks, including contracting, invoicing, and creating the project work plan. She directed the development of design plans and reviewed plan set drafts.

16. Staff Experience:

Firm employed by	**C. H. Fenstermaker & Associates, L.L.C.**			
Name	Dax Douet, P.E.	Years of relevant experience with this employer	26	
Title	Director, Engineer	Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization		B.S. / 1997 / Civil Engineering		
Active registration number / state / expiration date		30170 / LA / 09.30.26 ATSSA TCS, TCT, Flagger		
Year registered	2002	Discipline	Civil	
Contract role(s) / brief description of responsibilities		Roadway		

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).
Dax Douet has extensive professional civil engineering experience in design, planning, construction oversight, and project management. He has served as the lead design engineer and project manager on a wide range of transportation projects including local, collector, and arterial roadways, as well as large interstate interchange projects. Mr. Douet has expertise in roadway design, transportation corridor studies, line and grade studies, roundabout design, environmental assessments, open channel and subsurface drainage systems, large one and two-dimensional hydrologic numerical modeling, municipal engineering, public speaking, and project management of large complex, multi-disciplinary projects. Mr. Douet is proficient in Bentley Software project such as Microstation and has completed training courses such as the ATSSA Traffic Control Technician, Traffic Control Supervisor, and Certified Flagger, NHI Course 142005 NEPA and the Transportation Decision Making Process, the LADOTD Highway Safety Manual Course, and the LADOTD Traffic Engineering Process and Report Training.	
01/16-02/21	**Natchitoches Sports Complex Natchitoches (Natchitoches Parish, LA)** The City of Natchitoches constructed a new multi-million-dollar state of the art sports and recreation park located adjacent to LA Hwy 6 leading into the city from I-49. The 100-acre sports complex hosts youth sporting tournaments for baseball, soccer, and cross country running as well as Northwestern State intramural sporting events. The park includes a public park gathering area, 5-baseball fields, 4-soccer fields, concession stand structures, fishing ponds, walking trails, pavilions, covered batting cages, and many more site amenities. Fenstermaker was the lead sub-consultant and engineer of record for all improvements excluding the vertical building structures. Mr. Douet was the Project Manager.
06/12-03/20	**Apollo Road (LA 93) Extension to Dulles Drive (Lafayette Parish, LA)** The Apollo Road Extension (LA 93) to Dulles Drive in Lafayette Parish, LA was a $14 million dollar construction project for which Fenstermaker provided engineering services to the City of Scott. The project involved extending Apollo Road by two miles to Dulles Drive and constructing a four-lane boulevard with eight-foot sidewalks for bicyclists and pedestrians. Mr. Douet served as the transportation engineer and assisted with the preliminary roadway plans and project review.
01/15 – ongoing	**Frem Boustany Drive Extension Phases 1 & 2 (Lafayette Parish, LA)** The Frem Boustany Drive Extension project in Lafayette Parish, LA involved the construction of a new 0.25 mile, 2-lane median-divided boulevard roadway with dedicated bike lanes and curb adjacent sidewalks. Fenstermaker was contracted by Lafayette Consolidated Government to perform preliminary and final plans, right of way plats, construction survey work and inspection during construction. During phase 1, Mr. Douet served as the project manager. Phase 1 was completed in 2020. During the second phase, Mr. Douet worked on the line and grade and the detention pond study. He also met with the Lafayette Consolidated Government to discuss the project's drainage model results and proposed intersection improvement concepts.

04/22 – ongoing	**LA 182 (UNIV) @ LA 723 (Renaud) Roundabout (Lafayette Parish, LA)** The goal of this project is to design a roundabout which realigns Renaud Drive and Stone Avenue to intersect with University Avenue. This project will include roadway design, hydraulic analysis and design, and utility design. Mr. Douet is serving as Project Manager.
07/10 – 06/23	**Kaliste Saloom Road Widening & Intersection Improvements - LA3073 to LA733 (Lafayette Parish, LA)** Mr. Douet was Project Manager for this $34 million project, which involved widening approximately 1.7 miles of Kaliste Saloom Road, a congested major arterial roadway. He led the design team for all three phases, including the construction of a multi-lane modern roundabout and a 5-girder span bridge structure within the project limits. Mr. Douet presented at public meetings, conducted constructability reviews, and managed the construction effort. The project was split into three phases, which included drainage outfall construction, utility relocations, and roadway construction. Mr. Douet fast-tracked all real estate appraisals, plats, and construction plans.
10/21 – 12/22	**LA 675 Roundabout at ARA Access Roadway (Iberia Parish, LA)** Fenstermaker prepared construction plans and acquisition documents for the LA 675 Roundabout at Acadiana Airport Access Roadway in Iberia Parish. The ARA Access Road will be extended to the south to connect to LA 675. The roundabout will be constructed at this connection. Reconstruction of the US Frontage Road will also be completed. After receiving LADOTD's comments on the plans, Mr. Douet was responsible for Quality Control on the plan set.
04/17-11/20	**Cane River Bridge Church Street Route LA 1-X (Natchitoches Parish, LA):** LADOTD in conjunction with the FHWA prepared a NEPA environmental assessment for the proposed replacement of Cane River Bridge on Church Street Route LA 1-X. Mr. Douet served as the project manager and lead engineer for preparation of the environmental document. He was responsible for all public outreach, agency coordination, preparation of the project line and grade study, coordination of the project's traffic study, development of project alternatives, development of cost estimates, coordination of the noise and air analysis, coordination of historical and archeological investigations, and coordination of various other environmental analysis.
05/15-12/16	**Coach Williams Drive Extension & Roundabout (Calcasieu Parish, LA)** Fenstermaker served as the prime consultant on this $18.4 million, multidisciplinary project consisting of engineering design services for the construction of the extension of Coach Williams Drive to connect to Houston River Road (LA 379). This road is approximately 3 miles in length and was designed as a 2-lane open ditch urban collector. Mr. Douet was responsible for directing the design and geometry of the roundabout and reviewing plans.
03/20-11/22	**Acadiana Regional Access Roadway (Iberia Parish, LA)** The purpose of this project is to provide a more direct access path to the Acadiana Regional Airport in the future. Fenstermaker was selected to design a two-lane roadway that will connect the LA 3212 and LA 675 in New Iberia, LA with room for a future four-lane roadway. This design consists of the main roadway, one single lane roundabout, and a two-lane roadway that will connect the main road to US-90 Frontage Road with a second roundabout in a future project. Mr. Douet was responsible for the construction administration bidding process.

16. Staff Experience:

Firm employed by	Ardaman & Associates, Inc.			
Name	**Megan Bourgeois, PE**		Years of relevant experience with this employer	18
Title	PROJECT ENGINEER / ASSISTANT BRANCH MANAGER		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering		
Active registration number / state / expiration date		36725 / LA / 03-31-2026 Certified NHI Drilled Shaft Inspector		
Year registered	2011	Discipline	Civil	
Contract role(s) / brief description of responsibilities		**Project Manager**		

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).
	***Ms. Bourgeois** has more than 14 years of experience with shallow foundations, embankment settlement, pile and drilled shaft foundations, LRFD design, slope stability (embankment and excavation), pipeline and pump station recommendations, geotechnical instrumentation, and construction monitoring. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as Ardaman’s program manager for many LADOTD projects for bridges and roadways throughout Louisiana. Ms. Bourgeois also serves as the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises the laboratory manager, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to provide training material and maintaining AASHTO certifications.*
10/09-Ongoing	**SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS.** *Project Manager*. She managed this multi-million-dollar, high risk, high technical needs, high visibility project. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologist, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing plane, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. Co-authored the geotechnical analysis and design report.
10/18-06/21	**SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA.** *Project Manager.* Managed and oversaw all aspects of an extensive field investigation program including performing 26 deep soil borings and 12 CPT soundings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.
08/08 – 12/13	**SP NOs. 700-09-0166 & H.003886.5 / I-49 NORTH PHASE II: Caddo Parish, LA.** *Laboratory Director/Assistant Project Engineer.* Closely coordinated an extensive laboratory testing program with an aggressive schedule to provide geotechnical characterization data for use in design of deep foundations, earth retaining structures and culverts.

07/15-Ongoing	**SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA.** *Project Engineer.* Assisting the Program Manager in overseeing the geotechnical investigation and design of the 5 miles of freeway consisting of a 3.5-mile elevated structures that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced pile load test programs, and earth retaining structures. Overseeing laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. Ms. Bourgeois is the project lead to develop the Geotechnical Investigation and Design Report.
10/14-12/16	**SP NO. H.010601.5 / I-10 WIDENING (E. JCT. I-49 TO LA 328): St. Martin Parish, LA.** *Project Engineer.* Managed and provided oversight for the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.
05/06-12/11	**SP NO. 700-29-0112 & 700-29-0130 / LA 1 – PHASES 1 & 2: Lafourche Parish, LA.** *Project Engineer***.** This project is the second phase of the 17-mile elevated highway spanning from Golden Meadow to Fourchon. Ms. Bourgeois directed the laboratory testing program to ensure strict adherence to LADOTD standards and managed the drilling operations which included deep borings and CPT soundings in the coastal marshes via air-boat mounted equipment. She oversaw the completion of over 70 soil boring logs and approximately 300 CPT sounding logs for use in design of pile foundations.
07/21-Ongoing	**SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA.** *Project Engineer.* Leads technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
10/18-01/19	**SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA.** *Project Engineer.* Provided construction engineering CQA to implement the project's CQA Program by leading the technical review of any submittals and overseeing the construction testing program, including the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring for this Design Build, which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.
08/22-Ongoing	**12-CS-HC-0017 / MOVEBR Ardenwood-Lobdell: East Baton Rouge Parish, LA.** *Project Engineer.* This project includes a subsurface exploration and geotechnical evaluation for the construction of the Ardenwood-Lobdell Connector for the MOVEBR program. The field exploration program included 8 soil borings, with associated laboratory testing. The engineering analyses included pavement design recommendations in accordance with LADOTD specifications.

16. Staff Experience:

Firm employed by	Ardaman & Associates, Inc.		
Name	**Robert Jewell, PE**	Years of relevant experience with this employer	17
Title	PROJECT ENGINEER / VICE PRESIDENT, BRANCH MANAGER	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		38579 / LA / 09-30-2024 Traffic Control Supervisor / LA / 09-25-2024	
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Project Engineer**	

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. Jewell** serves as the manager of our Baton Rouge office and as project manager for various geotechnical engineering projects including pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. For two years, he served as an on-site engineer for the LA Hwy. 1, Phase 1 project, where he conducted PDA testing and pile monitoring during construction. Mr. Jewell also achieved Advanced Level Certification for High Strain Dynamic Testing issued by the Pile Driving Contractors Association for Dynamic Measurement and Analysis Proficiency.*
10/18-06/21	**SP NO. H.000263.5-1 / chef menteur pass bridge & approach: Orleans Parish, LA.** *Project Engineer*. In conjunction with Ms. Bourgeois, Mr. Jewell oversaw the geotechnical investigation consisting of deep borings and field resistivity testing. Reviewed laboratory tests, final soil and CPT logs, and the data report.
10/18-01/19	**SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA.** *Project Engineer.* Assisted the Project Manager in preparing the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring. He also helped review and design the pavement section.
07/21-Ongoing	**SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA.** *Project Manager.* Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.

07/15-Ongoing	**SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA.** *Project Manager.* Manages the geotechnical investigation and design for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced load test programs, and earth retaining structures. Oversees and coordinates the field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project.
11/15-01/21	**SP No. H.011309 / MCARTHUR INTERCHANGE COMPLETION PHASE II, US 90Z: Jefferson Parish, LA.** *Project Manager.* Oversaw the geotechnical field investigation that included deep and shallow CPT soundings, borings, laboratory testing, subsurface characterization, and engineering analyses to provide foundation design, verification of test plans and construction monitoring plans for the addition of two ramps. Design recommendations included post grouted drilled shafts.
04/14-03/22	**SP No. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA.** *Project Engineer*. Oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts.
10/14-12/16	**SP NO. H.010601.5 / I-10 Widening (E. JET. I-49 TO LA 328): St. Martin Parish, LA.** *Project Engineer*. Oversaw and coordinated the geotechnical investigation which will include 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.
10/11-04/13	**SP NO. H.003064 / I-10 VETERANS BLVD. TO CLEARVIEW PARKWAY CONSTRUCTION PHASE SERVICES (TRANSCONTINENTAL OVERPASS): Orleans Parish, LA.** *Assistant Project Engineer.* Managed the test pile program (static and dynamic testing) and conducted WEAP analysis. Mr. Jewell helped prepare the report which provided pile order lengths, pile driving criteria, and reviewed pile driving logs.
07/09-08/11	**SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA:** *Assistant Project Engineer.* Served in the field as on-site geotechnical engineer during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.
07/12-02/14	**SP. NO. H.003495 / I-49N (MLK to I-220) Segment K: Caddo Parish, LA.** *Assistant Project Engineer*. Helped manage all aspects of an extensive field investigations program including performing 102 soil borings for bridge structures, retaining walls, ramps, and roadways. Mr. Jewell helped classify the soil boring logs for use in design of deep foundations and embankments and developed the soil borings logs in LADOTD format.
08/22-Ongoing	**12-CS-HC-0017 / MOVEBR Ardenwood-Lobdell: East Baton Rouge Parish, LA.** *Project Engineer.* This project includes a subsurface exploration and geotechnical evaluation for the construction of the Ardenwood-Lobdell Connector for the MOVEBR program. The field exploration program included 8 soil borings, with associated laboratory testing. The engineering analyses included pavement design recommendations in accordance with LADOTD specifications.

16. <u>Staff Experience:</u>

Firm employed by	Ardaman & Associates, Inc.				
Name	**Robert Rousset, PE**			Years of relevant experience with this employer	18
Title	PROJECT ENGINEER / VICE PRESIDENT, REGIONAL MANAGER			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering		
Active registration number / state / expiration date			38637 / LA / 09-30-2024		
Year registered	2014	Discipline	Civil		
Contract role(s) / brief description of responsibilities			**Project Engineer**		

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. Rousset** serves as the manager of Ardaman's New Orleans office and as project manager for various geotechnical engineering projects as well as contract administrator of several major contracts. He has managed projects that have included pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. For two years, he served as an on-site engineer for the LA Hwy. 1, Phase 1 project, where he conducted PDA testing and pile monitoring during construction. Mr. Rousset also achieved Intermediate Level Certification for High Strain Dynamic Testing issued by the Pile Driving Contractors Association for Dynamic Measurement and Analysis Proficiency.*
07/16-Ongoing	**SP NO. H.004113 / I-12 (US 190 TO LA 59): East Baton Rouge Parish, LA.** *Project Manager*. Oversaw and coordinated the geotechnical investigation which included 23 deep soil borings and associated laboratory testing along an alignment that included 4 bridges.
07/14-05/18	**SP NO. H.004113 / I-12 TO BUSH SEGMENT 3, LA HIGHWAY 3241 (LA 435 TO LA 40/LA 41): St. Tammany Parish, LA.** *Project Manager.* Oversaw and coordinated the geotechnical investigation which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. Oversaw geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.
05/12-03/13	**SP NO. H.002260.5 / GOOSE BAYOU BRIDGE ROUTE LA 45: Lafitte, LA.** *Assistant Project Engineer*. Managed geotechnical investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.
07/09-08/11	**SP NO. 700-29-0112 / LA 1 – PHASE 1: Lafourche Parish, LA.** *Assistant Project Engineer*. Served in the field as onsite engineer for Phase 1A of this project in southeast Louisiana. The completed project consisted of 17 miles of elevated roadway with low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic monitoring using PDA, performing CAPWAP analyses, reviewed drive logs, and supervised field technicians.
03/11-02/12	**SP NO. H.003886.5 / I-49 SEGMENT J: Caddo Parish, LA.** *Assistant Project Engineer*. Mr. Rousset planned the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.

08/09-12/09	**CENTRAL THRUWAY: East Baton Rouge Parish, LA.** *Assistant Project Engineer*. Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.

16. <u>Staff Experience:</u>

Firm employed by:	Ardaman & Associates, Inc.		
Name	**Ross McGillivray, PE**	Years of relevant experience with this employer	25
Title	PrINCIPAL Engineer	Years of relevant experience with other employer(s)	29

Degree(s) / Years / Specialization			BCE / 1966 / Civil Engineering MS / 1968 / Civil Engineering (Soil Mechanics)
Active registration number / state / expiration date			17920 / FL / 02-28-2025
Year registered	1998	Discipline	Civil
Contract role(s) / brief description of responsibilities			Contract Role: **Principal Engineer**

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	As a principal engineer working from the Tampa office of Ardaman, ***Mr. McGillivray*** *provides technical review and consultation on projects involving building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, ground water hydrology and sinkhole evaluation and remediation. He has provided engineering review or design on projects with Ardaman offices in Florida as well as for offices in Baton Rouge and New Orleans, Louisiana.* *Mr. McGillivray managed the operations of the soil mechanics laboratory as a Research Engineer at MIT from 1968 to 1970, and conducted research into the behavior of soil and soil-like industrial waste products while at MIT, He worked as a staff engineer on projects in North Carolina, Florida, Alaska and Venezuela for Lambe & Associates, Inc. of Cambridge, Massachusetts, including the evaluation of soil stability and anchor capacity for a large retaining wall for the Parque Central' project in Caracas, Venezuela and the development of a permafrost and soil mechanics laboratory in Anchorage, Alaska. Mr. McGillivray was the branch geotechnical and materials engineer for Pittsburgh Testing Laboratory's Tampa Florida branch office where he supervised the completion of site exploration programs for building foundations and designed earthen dams to contain waste clay tailings from phosphate processing from 1972 to 1974. He founded ARMAC Engineers, Inc. in 1975, working on building foundations, sinkhole evaluation and remediation, mine slope stability and earthen dam projects. He joined Ardaman & Associates, Inc. in 1996 as a Senior Engineer, working on mining, building foundation and bridge foundation projects.*
09/01 – 11/01	**I-10/12 Sound Walls, Wall 6-Design Lateral Load Test on Drilled Shafts / Sound Wall Shaft CLS Evaluation, Baton Rouge, LA.** *Principal Engineer.* Mr. McGillivray performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr. McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.

10/18-12/18	**SP NO. H.003370 / I-220/I-20 Interchange Improvement and Barksdale Air Force Base Access Road, Bossier Parish, LA SP No. H.003370**. *Principal Engineer.* Mr. McGillivray helped review and perform analyses of Drilled Shaft Load Tests and Static Capacity for this Design Build project consisting of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from I-20 in Shreveport, Louisiana.
7/15 –Ongoing	**I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange), Lafayette Parish, LA, SP No. H.004273.5.** *Principal Engineer.* Mr. McGillivray helped review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in support of the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. Mr. McGillivray will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.
11/15-01/21	**MacArthur Interchange Completion Phase II Route US 90-Z Jefferson Parish, SP No. H.011309.** *Principal Engineer.* Mr. McGillivray reviewed and evaluated the capacity of tip-grouted Drilled Shafts utilizing Cone Penetrometer Test (CPT) sounding data for Phase II of the MacArthur Interchange consisting of construction ramps entering and exiting Westbank Expressway.
5/05 – 11/05	**I-10 Bridges over Escambia Bay, Pensacola, FL (AAI 05-40-1149)** *Principal Engineer.* The I-10 bridge over Escambia Bay was damaged by Hurricane Ivan in 2004. The two bridges were three lanes, 2.6 miles long with 103 spans for each bridge. Ross T. McGillivray, PE (FL) worked as the Lead Geotechnical Engineer with Ardaman's Tallahassee, Florida office for the design of foundations for the replacement bridges. The project was the first project since 1972 in Florida to use 36-inch voided Prestressed Concrete Piles. The soil conditions consisted of deep, soft silt and clay sediments over loose sand underlain by medium dense to dense sand. Driving criteria were established for two different pile hammers with maximum driving energy of 150 kip-ft.-lbs. but with ram weights of 30 and 60 kips. Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Both Vertical and Lateral Load tests were performed for the project, with good correlation between the Vertical Load test results and the Static Capacity and PDA/CAPWAP analyses. Lateral load performance analyses showed that the soils strengths projected from Cone Penetrometer Tests were required to model the results of the load test.
6/09-2/10	**SR 686 Overpass Bridge, St. Petersburg, Florida, 2009-10 (AAI 0-55-9627)** *Principal Engineer.* The SR 686 Overpass Bridge is 1,500 feet in length and crosses over a solid waste landfill with a slurry wall confinement and the in-situ clay stratum as a liner system. The initial foundation design by another firm consisted of 24-inch Prestressed Concrete Piles driven inside of 36-inch diameter steel casings, with the piles to be grouted into the casings. Ardaman & Associates, Inc. was asked to evaluate the foundation options and to provide an alternative foundation design for the project. Mr. Ross T. McGillivray, PE was the Lead Geotechnical Engineer for the project. He proposed using non-redundant drilled shafts to reduce the number of penetrations of the underlying clay stratum confining stratum. The additional foundation explorations included rock coring and Pressure Meter Testing in the intermediate geo-material (weathered limestone) underlaying the site. The results of Unconfined Compression Tests and Split Tensile tests on rock cores were analyzed with the results of the Pressure Meter Tests to optimize the design of the drilled shafts. The final design consisted of 36, 48 and 60-inch diameter drilled shafts. Two load tests were specified using the Osterberg Cell (O-Cell), each with a 2-inch Styrofoam toe to allow measurement of the fully mobilized skin friction on the shaft above and below the O-Cell. Ardaman performed pilot borings at each drilled shaft for final design, and inspected the installation of all the drilled shafts for the project.

16. Staff Experience:

Firm employed by Ardaman & Associates, Inc.				
Name	**Jarmon King, PE**		Years of relevant experience with this employer	5
Title	ASSISTANT PROJECT ENGINEER		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering Traffic Control Supervisor / LA / 11-08-2027 DOTD Flagger / LA / 05.29.2028	
Active registration number / state / expiration date			PE 49179 / LA / 03-31-2025	
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities			**Assistant Project Engineer**	

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).
	Jarmon King *serves as an assistant project engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding, data, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during construction projects. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he is responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment.*
07/21-Ongoing	**SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) BATON ROUGE PARISH, LA. (07/21-ONGOING)** *Assistant Project Engineer.* Assists in engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
10/18-06/21	**SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA.** *Assistant Project Engineer.* Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report.
10/18-12/18	**SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA.** *Assistant Project Engineer.* Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King is currently performing PDA testing and CAPWAP analyses for the field construction.
06/20-11/22	**SP. NO. H.002825 / Nicholson Drive (LA HWY 30) Segment 1: East Baton Rouge Parish, LA.** *Assistant Project Engineer.* This project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Engineering analyses included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.

16. Staff Experience:

Firm employed by	Ardaman & Associates, Inc.		
Name	**Jessica N. Litt**	Years of relevant experience with this employer	10
Title	LABORATORY MANAGER	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2010 / Biology		
Active registration number / state / expiration date	NICET / Generalist, Laboratory No. 141243 / 10-01-2024		
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	**Laboratory Manager**		

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).
	Ms. Litt *serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises four full-time laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size, Sieve Testing, Organic Matter tests, Moisture Content, and Strength testing (Unconfined and Unconsolidated-Undrained Triaxial (UU)).*
10/18-06/21	**SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE AND APPROACH: Orleans Parish, LA.** *Laboratory Technician*. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
11/15-01/21	**SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE 2, ROUTE US 90-Z: Jefferson Parish, LA.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
04/14-03/22	**SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
04/14-05/18	**SP NO. H.004113 / I-12 TO BUSH SEGMENT 3, LA HWY. 3241 (LA 435 TO LA 40 / 41): St. Tammany Parish, LA.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.

10/09-Ongoing	**SP NO. H.004646.5 / MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and Consolidated-Drained Direct Shear Tests.

16. Staff Experience:

Firm employed by **Modjeski and Masters, Inc.**				
Name	**Jonathan E. Gerhart, PE**		Years of relevant experience with this employer	14
Title	Project Manager – Electrical Design		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS 1998 Electrical Engineering	
Active registration number / state / expiration date			43052 LA 03/31/2025	
Year registered	2016	Discipline	Electrical	

Contract role(s) / brief description of responsibilities Mr. Gerhart is a Project Manager in Modjeski and Masters' Electrical Engineering Section and has over 25 years of experience in the design of electrical distribution systems, control systems and safety systems, including roadway lighting systems. Having over 10 years of experience on LADOTD Roadway Lighting Projects, Mr. Gerhart is experienced with photometric analysis and roadway lighting design (both HPS and LED), including inspections, construction support, and troubleshooting. He has vast expertise in all matters related to lighting systems having served as Lead Design Engineer for numerous LADOTD roadway lighting projects and has developed evaluations, recommendations, cost estimations, value engineering and consultations with LADOTD electrical staff. Mr. Gerhart will serve as a Project Manager.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – On-going	**H.015504 US 90-Z CCC Decorative Lighting, New Orleans, LA | LADOTD** M&M was contracted by LADOTD for the design of the proposed Dynamic Decorative Lighting System to be installed on the two Crescent City Connection (CCC) Bridges over the Mississippi River in New Orleans, LA. (CCC #1 & CCC #2). The proposed decorative lighting system will include remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. Project was on an expedited schedule. M&M was responsible for preparing the final construction plans and specifications, Level 4 Transportation Management Plan (TMP) and coordinating USCG approval. Mr. Gerhart served as Project Manager for the Decorative Lighting Design.
12/19 – On-going	**H.011137.5 Lighting Engineering Design Services for I-12: LA 1077 to US 190. Covington, LA | LADOTD** As part of an overall interstate widening project, M&M provided an investigation for a future roadway lighting system along I-12 in St. Tammany Parish. M&M provided an illumination analysis per LADOTD standards for a complete lighting design at the I-12 at LA 1077, I-12 at LA 21, I-12 at Pinnacle Pkwy, and I-12 at US 190 interchanges. M&M provided plans and specifications for lighting and electrical equipment to accommodate installation of a future lighting system as well as plans and specifications for a new navigation lighting design on the widened Tchefuncte River Bridge. M&M is currently providing construction related engineering services for this project. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performs field inspections during construction and works directly with LADOTD electrical engineers.
01/17 – On-going	**H.003184: I-10: Texas State Line – E. of Coone Gully Lighting, Calcasieu Parish, LA | LADOTD** M&M performed a study of the existing roadway lighting system of Interstate 10 (I-10) in Calcasieu Parish at five locations for the LADOTD as part of S.P. H.003184 which calls for a portion of I-10 from the Texas state line through to the East of Coone Gully to be widened from four to six lanes of travel. The scope of the work and inquiry consisted of an illumination and roadway lighting construction feasibility study at the five specified locations. The as-designed roadway lighting systems were evaluated and compared to the proposed widened geometry to determine if the existing systems would remain in compliance with LADOTD Illumination standards. Where needed, modifications were recommended to satisfy required illumination and electrical criteria. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performs field inspections during construction and works directly with LADOTD electrical engineers.

07/18 - 06/21	**H.012739: I-20 @ Vicksburg - Electrical, Vicksburg, MS | LADOTD** M&M provided electrical engineering services to develop final plans and specifications for rehabilitation of the existing electrical systems, including photometric report and replacement of roadway lighting with an LED design, replacement of navigation lighting and aerial beacons, and rehabilitation and relocation of low-voltage electrical components including monitoring equipment including monitoring equipment, MDOT equipment, river current monitoring equipment. M&M also provided construction related engineering services, including field inspections and shop drawing, as-built drawing and submittal review. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performed field inspections during construction and worked directly with LADOTD electrical engineers.
09/16 – 06/19	**H.012503: I-12 @ LA 447 (Walker) Interchange Lighting, Walker, LA | LADOTD** The project involved the design of roadway lighting at the I-12/LA 447 Interchange in Walker, LA. The design included providing lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M performed photometric analysis, and provided plans & construction estimates and construction related engineering services including shop drawing review and field inspections. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performed field inspections during construction and worked directly with LADOTD electrical engineers.
09/15 – 07/16	**H.003003: I-10: E. Jct. I-49 to LA 328 Lighting, Lafayette and St. Martin Parishes LA | LADOTD** The project involved the design of roadway lighting on Interstate 10 from I-49 to LA328 in Lafayette, LA. The design included the use of high-mast and low-mast poles as well as underpass lighting and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and is currently providing construction related engineer services including shop drawing review and field inspections. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performs field inspections during construction and works directly with LADOTD electrical engineers.
10/15 – 09/20	**H.003014: I-10: LA 347 to Atchafalaya Floodway Bridge Lighting, St. Martin Parish LA | LADOTD** The project involved the design of roadway lighting for Interstate 10 from LA347 to Atchafalaya Floodway Bridge in Lafayette, LA. The design included providing low-mast lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and is currently providing construction related engineering services including shop drawing review and field inspections. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performs field inspections during construction and works directly with LADOTD electrical engineers.
12/13 - 05/17	**H.010863: I-10 @ Ambassador Caffery Parkway Interchange Lighting, Lafayette, LA | LADOTD** The project involved the design of roadway lighting for the Ambassador Caffery Parkway (LA 3184) Interchange along Route I-10. The design included the use of high-mast and low-mast poles as well as underpass lighting and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections, including final punch-list inspection. Mr. Gerhart oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. He also performed field inspections during construction and worked directly with LADOTD electrical engineers.
11/10 - 05/15	**H.002691: LA8/US 171 Roundabout. Vernon Parish, LA | LADOTD** The project involved the design of roadway lighting for a two-lane, four-legged modern roundabout that was reconstructed from a signalized T-intersection of US-171 with LA 8/28. The design incorporated the use of decorative light fixtures and poles and was coordinated with the local government agencies and well as the electrical utility company to simplify future maintenance and provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections, including final punch-list inspection. Mr. Gerhart served as Lead Electrical Design Engineer and Inspector for this project.

16. Staff Experience:

Firm employed by **Modjeski and Masters, Inc**.			
Name	**Cullen J. Ledet, III, P.E.**	Years of relevant experience with this employer	22
Title	Senior Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS 2000 Civil Engineering	
Active registration number / state / expiration date		33222 LA 09/30/2025	
Year registered 2007	Discipline	Civil	

Contract role(s) / brief description of responsibilities Mr. Ledet is a Senior Associate in Modjeski and Masters' New Orleans Office and has over 18 years of experience in the design of fixed and movable highway and railroad bridges. He also has provided quality assurance for all disciplines represented in the plans and specifications for numerous LADOTD Roadway Lighting Projects. He has consulted with personnel at DOTD Headquarters (Electrical Design) and various District offices to ensure the proposed lighting design meets the local needs while adhering to DOTD Illumination Standards. Mr. Ledet is very familiar with the DOTD Electronic Deliverable requirements and ensures that the firm remains up-to-date with current Consultant Workflow procedures. Mr. Ledet also led the development of Transportation Management Plans (including Level 4) for various DOTD projects and he is currently compliant with work zone training (TCT/TCS/Flagger). Mr. Ledet will serve as the Principal in Charge and Quality Assurance Manager.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/23 – On-going	**H.015504 US 90-Z CCC Decorative Lighting, New Orleans, LA | LADOTD** M&M was contracted by LADOTD for the design of the proposed Dynamic Decorative Lighting System to be installed on the two Crescent City Connection (CCC) Bridges over the Mississippi River in New Orleans, LA. (CCC #1 & CCC #2). The proposed decorative lighting system will include remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. Project was on an expedited schedule. M&M was responsible for preparing the final construction plans and specifications, Level 4 Transportation Management Plan (TMP) and coordinating USCG approval. Mr. Ledet provided contract management and provided quality assurance for all engineering disciplines as part of this project.
1/2017 – On-going	**H.003184: I-10: Texas State Line – E. of Coone Gully Lighting, Calcasieu Parish, LA | LADOTD** M&M performed a study of the existing roadway lighting system of Interstate 10 (I-10) in Calcasieu Parish at five locations for the LADOTD as part of S.P. H.003184 which calls for a portion of I-10 from the Texas state line through to the East of Coone Gully to be widened from four to six lanes of travel. The scope of the work and inquiry consisted of an illumination and roadway lighting construction feasibility study at the five specified locations. The as-designed roadway lighting systems were evaluated and compared to the proposed widened geometry to determine if the existing systems would remain in compliance with LADOTD Illumination standards. Where needed, modifications were recommended to satisfy required illumination and electrical criteria. Mr. Ledet provided contract management and provided quality assurance for all engineering disciplines as part of this project.
09/16 – 09/19	**H.012503: I-12 @ LA 447 (Walker) Interchange Lighting, Walker, LA | LADOTD** The project involved the design of roadway lighting at the I-12/LA 447 Interchange in Walker, LA. The design included providing lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and is currently providing construction related services including shop drawing review and field inspections. Mr. Ledet provided contract management and quality assurance for all engineering disciplines as part of this project. He also provided construction related support by reviewing the structural components of the installed light poles including anchor bolts, base plates and drilled shafts.

09/15 – 07/21	**H.003003: I-10: E. Jct. I-49 to LA 328 Lighting, Lafayette and St. Martin Parishes LA | LADOTD** The project involved the design of roadway lighting on Interstate 10 from I-49 to LA328 in Lafayette, LA. The design included the use of high-mast and low-mast poles as well as underpass lighting and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and is currently providing construction related engineer services including shop drawing review and field inspections. Mr. Ledet provides contract management and quality assurance for all engineering disciplines as part of this project. He also provided construction related support by reviewing the structural components of the installed light poles including anchor bolts, base plates and drilled shafts.
10/15 – 11/22	**H.003014: I-10: LA 347 to Atchafalaya Floodway Bridge Lighting, St. Martin Parish LA | LADOTD** The project involved the design of roadway lighting for Interstate 10 from LA347 to Atchafalaya Floodway Bridge in Lafayette, LA. The design included providing low-mast lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and is currently providing construction related engineering services including shop drawing review and field inspections. Mr. Ledet provides contract management and quality assurance for all engineering disciplines as part of this project. He also provided construction related support by reviewing the structural components of the installed light poles including anchor bolts, base plates and drilled shafts.
12/13 - 05/17	**H.010863: I-10 @ Ambassador Caffery Parkway Interchange Lighting, Lafayette, LA | LADOTD** The project involved the design of roadway lighting for the Ambassador Caffery Parkway (LA 3184) Interchange along Route I-10 in Lafayette, LA. The design included the use of high-mast and low-mast poles as well as underpass lighting and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections. Mr. Ledet provided quality assurance for all engineering disciplines and oversaw plan development for this project. He also provided construction related support by reviewing the structural components of the installed light poles including anchor bolts, base plates and drilled shafts.
06/12 - 10/17	**H.009201: I-20 @ Garrett Road Interchange Lighting, Monroe, LA | LADOTD** The project involved the design of roadway lighting for the Garrett Road Interchange along Route I-20 in Monroe, LA. The design included the use of low-mast poles and underpass lighting and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections. Mr. Ledet provided quality assurance for all engineering disciplines and oversaw plan development for this project. He also provided construction related support by reviewing the structural components of the installed light poles including anchor bolts, base plates and drilled shafts.
10/10 - 04/15	**H.000336: LA 431 Lighting Improvements. Ascension Parish, LA | LADOTD** The project involved the design of roadway lighting for four intersections along Route LA 431 as part of an overall improvement project. The design was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M performed a photometric analysis of the intersections and provided plan development of lighting plans and specifications conforming to the LADOTD Illumination Standards and National Electrical Code. M&M also provided construction related engineering services during construction. Mr. Ledet provided quality assurance for all engineering disciplines and oversaw plan development for this project.
11/10 – 05/15	**H.002691: LA8/US 171 Roundabout. Vernon Parish, LA | LADOTD** The project involved the design of roadway lighting for a two-lane, four-legged modern roundabout that was reconstructed from a signalized T-intersection of US-171 with LA 8/28. The design incorporated the use of decorative light fixtures and poles and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections. Mr. Ledet provided quality assurance and oversaw plan development for this project.

16. Staff Experience:

Firm employed by **Modjeski and Masters, Inc.**			
Name	**Erin N. Rodgers, PE**	Years of relevant experience with this employer	7
Title	Engineer - Electrical	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS 2017 Mechanical and Electrical Concentrations	
Active registration number / state / expiration date		093241 PA 09/30/2025	
Year registered	2022	Discipline	Electrical

Contract role(s) / brief description of responsibilities

Ms. Rodgers joined Modjeski and Masters, Inc. as an engineer in training in 2017 following her graduation from Elizabethtown College with a Bachelor of Science in Engineering. Ms. Rodgers serves as an Electrical Engineer E3 for the Electrical section and has been involved in design and inspection of several movable bridges and lighting systems during her time with the firm. She also has experience with roadway lighting design, tunnel lighting design and utility coordination projects. Ms. Rodgers is NEC/NFPA certified.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/22 - Ongoing	**H.014646.5 I-20: US 165 to East of Garrett Road Lighting. Monroe, LA | LADOTD** M&M provided plans, technical specifications, special provisions and illumination analysis for the rehabilitation of the existing lighting system along I-20 from US 165 to E. of Garrett Road. M&M coordinated with the City of Monroe and interfaced with the Project Team for S.P. H.007300 on the selection of LED luminaires to provide consistent lighting throughout the project limits. She completed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs.
12/20 – Ongoing & 01/18 – 01/19	**H.012889.5: I-20 Rehabilitation (Pines Road to I-220). Shreveport, LA | LADOTD** As part of an overall interstate improvement project, M&M was selected to develop roadway lighting plans to accommodate future interstate median lighting and to relocate any existing light poles in conflict with reconfigured on and off ramps. Ms. Rodgers is worked under the direction of a senior engineer to design a preliminary roadway lighting system for the I-20 widening project. She also participated in a site inspection to identify all existing electrical components in service. She performed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs. She used the final approved photometric analysis report to generate final plans and specifications.
12/19 – Ongoing	**H.011137.5 Lighting Engineering Design Services for I-12: LA 1077 to US 190. Covington, LA | LADOTD** As part of an overall interstate widening project, M&M provided an investigation for a future roadway lighting system along I-12 in St. Tammany Parish. M&M provided an illumination analysis per LADOTD standards for a complete lighting design at the I-12 at LA 1077, I-12 at LA 21, I-12 at Pinnacle Pkwy, and I-12 at US 190 interchanges. M&M provided plans and specifications for lighting and electrical equipment to accommodate installation of a future lighting system as well as plans and specifications for a new navigation lighting design on the widened Tchefuncte River Bridge. M&M is currently providing construction related engineering services for this project. Ms. Rodgers performed photometric analysis and assisted in final electrical plan development. She also participated in field inspections and reporting for the construction of this project.

10/17 – 12/21	**H.003003.6: I-10: I-49 to LA 328 Lighting Construction Related Engineering Services. Lafayette, LA | LADOTD** M&M was selected to prepare final plans, specifications, photometric calculations and a construction cost estimate for the I-10 at I-49 to LA 328 Interchange Lighting. M&M will be working closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-10 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor. She also participated in field inspections and reporting for the construction of this project.
10/17 – 09/20	**H.003014.6: I-10: LA 347 to Atchafalaya Floodway Bridge Lighting Construction Related Engineering Services. New Orleans, LA | LADOTD** M&M was selected to prepare final plans, specifications, photometric calculations and a construction cost estimate for the I-10 @ LA 347 Interchange which consists of two roundabouts. M&M worked closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-12 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor. She also participated in field inspections and reporting for the construction of this project.
01/18 – 05/19	**H.003184.5-2: I-10: Texas State Line to East of Coone Gully Lighting Design Related Engineering Services. Calcasieu Parish, LA | LADOTD** Ms. Rodgers worked under the direction of a senior engineer to design a roadway lighting system for I-10 widening project near Coone Gully, Louisiana. She completed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs. Ms. Rodgers also worked to develop complete lighting plans for the project including plan layouts, pole schematics, and equipment detailing. She also participated in field inspections and reporting for the construction of this project.
07/18 – 07/19	**H.011235.5: I-49 South at Verot School Road – Lafayette, LA | LADOTD** Ms. Rodgers worked under the direction of a senior engineer to design a preliminary roadway lighting system for the new interchange to be built at the intersection of I-49 and Verot School Rd near Lafayette, Louisiana. She completed a photometric analysis using Visual lighting software to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs.
10/17 – 04/19	**H.012503: I-12 LA 447 (Walker) Lighting Interchange. Walker, LA | LADOTD** M&M was selected to prepare final plans, specifications, photometric calculations and a construction cost estimate for the I-12 at LA 447 Interchange which includes two roundabouts. M&M worked closely with local government agencies and utility companies to provide an optimum, low-maintenance lighting system. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the roadway lighting design for the I-12 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor. She also participated in field inspections and reporting for the construction of this project.

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**	Past Performance Evaluation Discipline(s)*	Traffic, ITS
Project name	Zellwood Station Phase 3 Traffic Study	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Zellwood Development Group, LLC
Project location	Zellwood, Florida	Owner's Project Manager	Steve MacGeorge
Owner's address, phone, email	2893 Upland Ridge, Chuluota, FL 32766 / (321) 356-1802 / stevemacgeorge@smacgeorge.com		
Services commenced by this firm (mm/yy)	08/24	Total consultant contract cost ($1,000's)	54
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	54

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) is currently completing a traffic study to evaluate access to the site from US 441 in accordance with Florida Department of Transportation (FDOT) requirements. Horizon's duties include:

- Review existing volume counts, turning movement counts, and driveway/median opening counts along US 441
- Review crash data along US 441, perform crash data analysis, and prepare collision diagrams
- Perform traffic signal warrant analysis
- Estimate increased traffic volume due to development of site
- Evaluate sight distance requirements
- Prepare conceptual layouts for multiple alternatives, including signalized intersection with new left turn lane from US 441, median openings, driveways, and adjustments to timing of adjacent traffic signals
- Prepare preliminary temporary traffic control plans, highway and driveway plan and profile, and cross sections
- Prepare preliminary drainage calculations
- Coordinate with FDOT
- Perform Intersection Control Evaluation (ICE)

Firm Members Involved: Ben Bartlett, Brett Liuzza, and John Karlin

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**	Past Performance Evaluation Discipline(s)*	Road
Project name	Zellwood Station Phase 3	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Zellwood Development Group, LLC
Project location	Zellwood, Florida	Owner's Project Manager	Steve MacGeorge
Owner's address, phone, email	2893 Upland Ridge, Chuluota, FL 32766 / (321) 356-1802 / stevemacgeorge@smacgeorge.com		
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost ($1,000's)	72
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	72

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) prepared a conceptual planning study to investigate the subdivision of the site, drainage requirements, and improvements to access from US 441 and is currently completing the final design. Horizon's duties include:

- Review of site zoning information/maps, topographic and boundary surveys, traffic studies, and geotechnical investigations and reports.
- Preparation of preliminary site plans illustrating potential configurations of commercial lots within the site.
- Hydrologic and hydraulic modeling, analysis, and design to determine subsurface drainage and detention pond requirements for multiple configurations of the site.
- Coordination with the Florida Department of Transportation (FDOT), Federal Aviation Administration (FAA), and St. Johns River Water Management District.
- Investigation of potential improvements to access from US 441, including the feasibility of widening the existing shared driveway and adding new driveways, turn lanes, and/or a signalized intersection.
- Coordination and relocation of utilities.
- Permitting assistance.
- Preparation of final plans and specifications, including site grading; subsurface drainage and detention pond; widening of existing asphalt pavement driveway, new Portland Cement Concrete (PCC) pavement driveway, concrete curbs, sidewalks, curb ramps, and pavement markings; potential signalized intersection and associated median modifications; and other miscellaneous features.
- Construction support.

Firm Members Involved: Brett Liuzza, Ben Bartlett, and John Karlin

17. <u>Firm Experience:</u>

Firm name	**Horizon Engineering, LLC**	Past Performance Evaluation Discipline(s)*	Traffic
Project name	Temporary Traffic Control Plans for Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Royal Bridge Inc.
Project location	Metairie, Louisiana	Owner's Project Manager	Emmanuel Chrysakis
Owner's address, phone, email	3601 Alt 19 North, Palm Harbor, FL 34683 / (727) 934-6042 / emmanuel@royalbridgeinc.com		
Services commenced by this firm (mm/yy)	10/24	Total consultant contract cost ($1,000's)	8
Services completed by this firm (mm/yy)	11/24	Cost of consultant services provided by this firm ($1,000's)	8

The Causeway Blvd./Airline Dr. Interchange was originally constructed in the 1950s and consists of 8 ramps, a 4-lane overpass, and an elevated traffic circle. Horizon Engineering, LLC prepared temporary traffic control (TTC) plans to facilitate the coating of Ramps 6 and 7 and the Overpass and installation of associated temporary works, such as containment systems and work platforms. The TTC plans include lane closures, full road closures, and associated detours involving federal highways, state highways, and local streets, including Airline Dr. (US 61) and Causeway Blvd. (LA 3046). The TTC plans were prepared in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), Louisiana Standard Specifications for Roads and Bridges (LSSRB), and DOTD Temporary Traffic Control Standard Plans.

Firm Members Involved: Ben Bartlett, John Karlin, and Brett Liuzza

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**	Past Performance Evaluation Discipline(s)*	Other (Structural)
Project name	Mound Rest Area Improvements	Firm responsibility (prime or sub?)	Sub
Project number	H.011446	Owner's name	Delta Design Professionals LLC
Project location	Mound, Louisiana	Owner's Project Manager	Ken Free
Owner's address, phone, email	4141 Hwy. 577, Winnsboro, LA 71295 / (318) 729-9035 / ken.free@deltadp.com		
Services commenced by this firm (mm/yy)	09/24	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	10/24	Cost of consultant services provided by this firm ($1,000's)	10

The Mound Rest Area Improvements (Route I-20 Westbound) project will construct numerous pavilions and covered walkways throughout the site. Horizon Engineering, LLC (Horizon) analyzed the proposed architectural design (roof sheathing, rafters, purlins, columns, base plate/anchors, and associated connections) of pavilions/covered walkways PV1, PV3, PV4, PV5, CW1, and CW2 for gravity, wind, and seismic loads. Horizon prepared structural calculations for submittal to DOTD and structural details describing the anchorage of the pavilions to the foundations.

Firm Members Involved: John Karlin

17. Firm Experience:

[redacted]

17. Firm Experience:

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

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

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

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

Task 2 Traffic Study

This task included the following elements:

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

Task 3 Safety Analyses

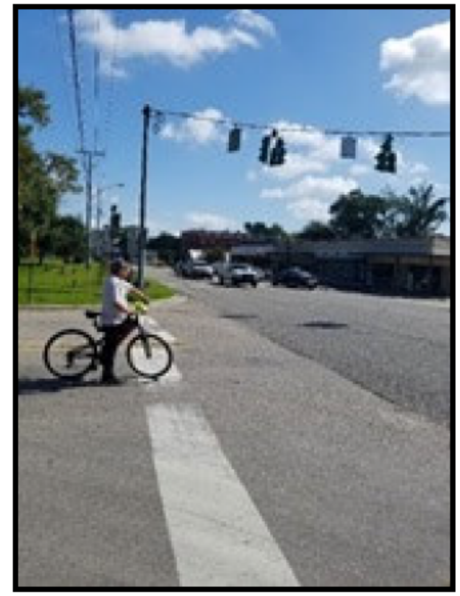
- Developed three-year crash analyses report as per DOTD standards

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

17. Firm Experience:

Firm name	Vectura Consulting Services, LLC	Past Performance Evaluation Category(ies)*	Traffic
Project name	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study	Firm responsibility (prime or sub?)	sub
Project number	N/A	Owner's name	City of Slidell
Project location	Slidell, LA	Owner's Project Manager	Eric Lundin
Owner's address, phone, email	250 Bouscaren St. Slidell, LA 70458, 985-646-4320, elundin@cityofslidell.org		
Services commenced by this firm	9/17	Total consultant contract cost ($1,000's)	unknown
Services completed by this firm	11/17	Cost of consultant services provided by this firm ($1,000's)	$38.8

Vectura was hired as a sub-consultant to the prime consultant to perform a traffic study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). The goal of the study was to determine if a pedestrian crossing and pedestrian traffic signal heads were warranted. To conduct the pedestrian study, the following tasks were performed by Vectura:



Data Collection

- AM and PM peak hour turning movement counts for five intersections
- AM / PM peak 15-minute turning movement counts for 10 driveways on Fremaux Ave.
- 24-hour traffic approach volumes, speed data, crash history and sight distance for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).
- Weekday and weekend pedestrian counts for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).

Draft Traffic Study

This task included a Crosswalk Traffic Study for US 190 Bus. (Fremaux Ave.) @ US 11 (Front St.) as Per DTOE, Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 6.
This task included the following elements:

- Developed three-year crash analyses
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed Vistro and HCS analyses for AM and PM Peak existing conditions, Implementation and design year conditions. The analyses included intersection and segment levels of service as well as signal timing and progression for the five intersections.
- Developed traffic study and electronic files. The Study documented how traffic will be routed with the proposed median on Fremaux Ave., the impacts to Front St., and conflict analysis for the crosswalks and pedestrian heads.

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

17. Firm Experience:

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

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

Task 1 Data Collection
Vectura collected the following traffic data for 10 intersections:

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

Task 2 Traffic Study
This task included the following elements:

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

Task 3 Safety Analyses

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

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

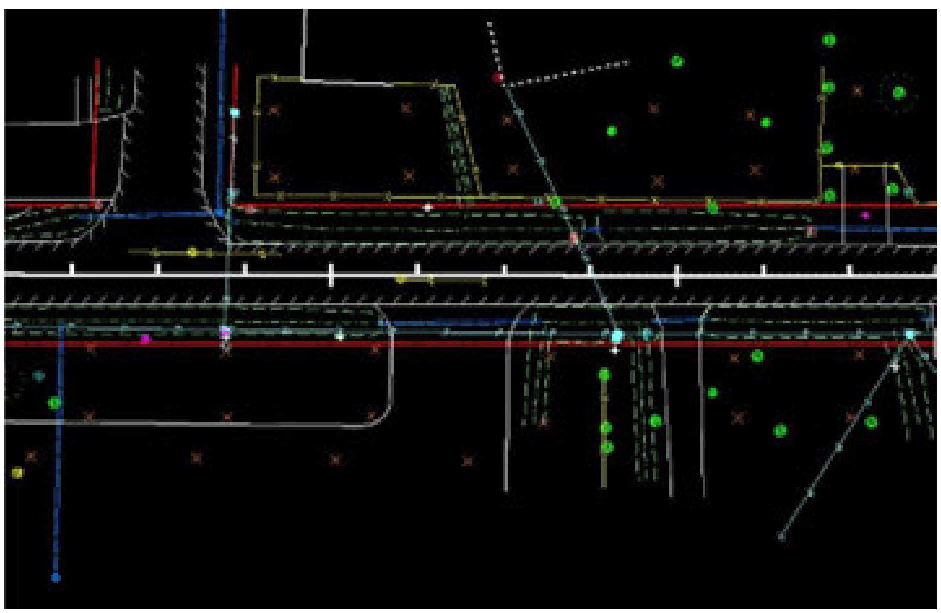
17. Firm Experience:

Firm name	C. H. Fenstermaker & Associates, L.L.C.	Past Performance Evaluation Discipline(s)*	Survey		
Project name	Hanks Dr./Landis Dr. Pedestrian Improvements-Phases 1-3	Firm responsibility (prime or sub?)	Prime		
Project number	H.011773	Owner's name	East Baton Rouge Parish		
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Thomas Stephens, P.E.		
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821, (225) 389-3158; tstephens@brgov.com				
Services commenced by this firm (mm/yy)	11/15	Total consultant contract cost ($1,000's)	$423.33		
Services completed by this firm (mm/yy)	08/23	Cost of consultant services provided by this firm ($1,000's)	$85.72		

Hanks Drive & Landis Drive are neighborhood streets in northern Baton Rouge, off Airline Highway (US 190) north of Greenwell Springs Road (LA 37). This area experiences a high volume of pedestrian and bicycle traffic even in the absence of sidewalks. In 2012, a fatality involving a pedestrian occurred. This highlighted the urgent need for pedestrian facilities along this neighborhood corridor.

Fenstermaker provided engineering design services to the client, East Baton Rouge City/Parish, for pedestrian facility and drainage design along approximately 0.5 miles of Hanks Drive. Fenstermaker provided the design study, managed topographic and right-of-way surveys, and developed the hydraulic analysis, preliminary and final plans, and construction cost estimates. Due to the successful completion of Phase 1 of the project, Fenstermaker was contracted to perform design on Phase II, continuing the sidewalks along Hanks Drive to Dickens Drive and along Landis Drive from Hanks Drive to Greenwell Street, stretching approximately 1.15 miles. This phase of the project was in accordance with MovEBR Design Guidelines and LADOTD Guidelines.

Firm members involved: Travis Bodin, Bradford Millett, Aimee Latiolais



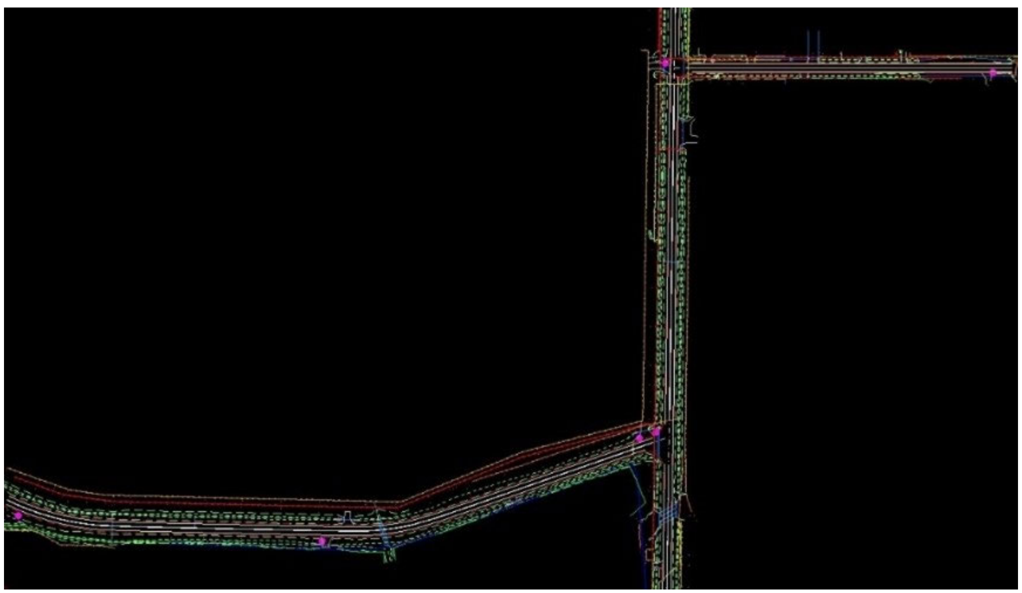
17. <u>Firm Experience:</u>

Firm name	C. H. Fenstermaker & Associates, L.L.C.	Past Performance Evaluation Discipline(s)*	Survey
Project name	Lake Charles LNG LA384 & LA38 Traffic Impact Analysis, Road Improvements, and CE&I	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner’s name	Lake Charles LNG
Project location	Calcasieu Parish, LA	Owner’s Project Manager	John Kelly, Vice President
Owner’s address, phone, email	(713) 989-7411, john.kelly@energytransfer.com		
Services commenced by this firm (mm/yy)	03/14	Total consultant contract cost ($1,000’s)	$4,954.20
Services completed by this firm (mm/yy)	11/18	Cost of consultant services provided by this firm ($1,000’s)	$2,488.65

Fenstermaker was responsible for designing road improvements at various locations to support anticipated construction traffic associated with the expansion of the Lake Charles LNG, G2X, and Magnolia Facilities. Fenstermaker performed topographic and boundary survey associated with the planned improvements, generated right of way maps, and coordinated and managed utility relocations. During construction Fenstermaker was responsible for all Construction Administration duties as well as supplying LADOTD certified inspectors to the project. Upon completion of the construction Fenstermaker submitted all close out documentation including Form 2059 to LADOTD.

(LADOTD Permit Nos. 153351 - LA 384 (Big Lake Rd.) at Tank Farm Rd.; 153352 – LA 384 (Big Lake Rd.) at W. Lincoln Road; 153353 - Gulf Highway (LA 385) and West Lincoln Road)

Firm members involved: Travis Bodin, Bradford Millett, Dax Douet, Aimee Latiolais



17. <u>Firm Experience:</u>

Firm name	C. H. Fenstermaker & Associates, L.L.C.	Past Performance Evaluation Discipline(s)*	Survey
Project name	City of Lake Charles Sidewalk Projects	Firm responsibility (prime or sub?)	Prime
Project number	n/a	Owner’s name	City of Lake Charles
Project location	Calcasieu Parish, LA	Owner’s Project Manager	Kelli Van Norman
Owner’s address, phone, email	326 Pujo St., Lake Charles, LA 70601, (337) 491-1490, Kell-vannorman@cityoflc.us		
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000’s)	$214.97
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000’s)	$214.30

Fenstermaker provided engineering services for sidewalk upgrades in the City of Lake Charles and designed over 13,000 ft. of sidewalks at the following separate sidewalk locations: Madeline Street -Common Street to Kirkman Street; Canal Street – Sale Road to W. McNeese; Nelson Road (LA 1138-2). – McNeese St. South to Evergreen Apartments; Bilbo Street – Clarence Street. to Iris St.; Illinois St. – Brentwood to Walton; Lake Street – between 18th Street and Sallier Street; Lisle Peters Road – Big Lake Road (LA 384) to E. St. Charles Avenue; and Sale Road – Lake Street to Ryan Street. Sidewalks varied in width between 5 ft. and 6 ft., depending on available rights-of-way and servitudes. All existing sidewalks were brought up to ADA compliance standards. All intersections and driveways were redesigned to ensure they met ADA compliance standards, including ramp design and use of truncated domes where required. Crosswalks were proposed at intersections for pedestrian safety. To accommodate the proposed sidewalk improvements, subsurface drainage was required along the corridor. Fenstermaker utilized the LADOTD Hydraulics Manual and software to design the inlet spacing and culvert sizes. Fenstermaker also worked with the City to determine the condition of the existing subsurface drainage system using dye testing and subsurface video surveys. Fenstermaker recommended the repair of damaged locations. Project staff worked with the City to ensure that the project limits remained within existing rights-of-way and servitudes. Fenstermaker completed a topographic survey of existing conditions and identified utility owners and coordinated potential conflicts. Multiple sidewalk locations tied into state routes, which required coordination with LADOTD District 07 for a project permit. Fenstermaker was responsible for the construction administration, including coordinating all field activities with the contractor and providing inspection. Additionally, Fenstermaker worked with utility providers to minimize impact and to promote cost savings to the overall project.

Firm members involved: Bradford Millett

17. Firm Experience:

Firm name	Ardaman & Associates, Inc.	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167)**	Firm responsibility (prime or sub?)	Sub
Project number	SP No. H.004273.5	Owner's name	LADOTD (Client: Stantec)
Project location	Lafayette Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA | 225.379.1100 | Chris.Nickel@la.gov		
Services commenced by this firm (mm/yy)	07/15	Total consultant contract cost ($1,000's)	$21,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,889

PROJECT DESCRIPTION

The overall project includes construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles, 3.5 of which consist of elevated structure. The project includes one three-level directional interchange at Kaliste Saloom Road (majority of interchange on structure); two full diamond interchanges at University/Surrey Street and Willow Street; two single point diamond interchanges at Johnston Street and 2nd/3rd Streets with associated railroad grade separations and arterial cross street studies involved; and various cross street connections at Pinhook Road, Jefferson Street, Mudd/Simcoe Street, Donlon Street, Castille/Martin Luther King Road and several minor streets.

The scope of services for this project includes preconstruction engineering design and related services for the construction of 5 miles of freeway consisting of a 3.5 mile-elevated structure that will include pile supported approach slabs, pile foundations, slope stability, pavement recommendations, embankment settlement, development of an advanced load test program, earth retaining structures, pavement design recommendations, and development of a design report presenting the geotechnical recommendations. The goal of the project is to design and construct the freeway and connecting infrastructure within the parameters and commitments of the selected alternative. Ardaman is currently conducting the geotechnical field investigation which consists of approximately 400 deep and shallow borings and Cone Penetrometer (CPT) soundings (including field reconnaissance, gaining rights of entry, completing utility location, GPS location and water table elevations), laboratory testing, and geotechnical engineering analyses and design for this project.

FIRM MEMBERS

Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King

17. Firm Experience:

Firm name	Ardaman & Associates, Inc.	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Nicholson Drive (LA HWY 30) Segment 1**	Firm responsibility (prime or sub?)	Sub
Project number	SP. No. H.002825	Owner's name	LADOTD
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA | 225.379.1100 | Chris.Nickel@la.gov		
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost ($1,000's)	$9
Services completed by this firm (mm/yy)	10/20	Cost of consultant services provided by this firm ($1,000's)	$9

PROJECT DESCRIPTION

The project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive. Ardaman performed a geotechnical investigation to analyze the existing soil conditions at the cross-drain locations. This information was supplemented with existing soil boring logs from previous investigations to provide the pavement design recommendations.

The field investigation, conducted in accordance with the MOVEBR Design Guidelines, included thirteen (13) shallow soil borings and two (2) deep soil borings. The shallow soil borings were drilled to a depth of 6 feet below existing ground surface (bgs) and the deep soil borings were terminated at 40 feet in depth.

Laboratory testing was performed on select samples. The engineering analyses included earthwork considerations, culvert recommendations, including bedding and bearing capacity, and pavement recommendations in accordance with LADOTD specifications.

FIRM MEMBERS

Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King

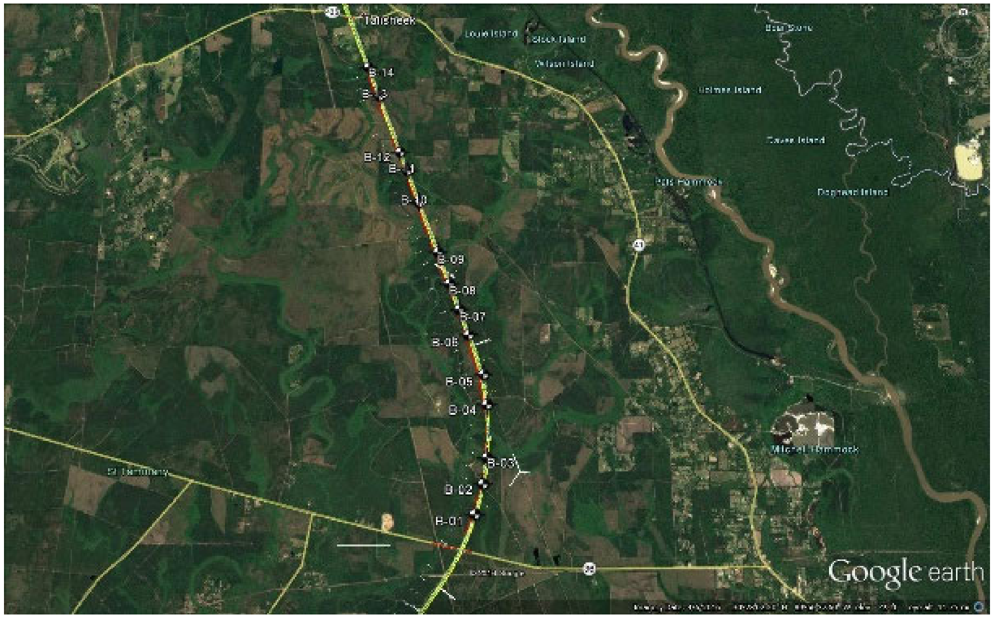
17. Firm Experience:

Firm name	Ardaman & Associates, Inc.	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**I-12 to Bush – Route LA 3241 (LA 36 – LA 435) Segment 2**	Firm responsibility (prime or sub?)	Sub
Project number	SP No. H.004435	Owner's name	LADOTD (Client: Shread-Kuyrkendall)
Project location	St. Tammany Parish, LA	Owner's Project Manager	Chris Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA | 225.379.1100 | Chris.Nickel@la.gov		
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost ($1,000's)	$3,197
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$460

PROJECT DESCRIPTION

As part of the TIMED Program, the project consists of design of a new highway which ties into I-12 at the existing I-12/LA 434 Interchange (Exit 74) and proceeds northerly along LA 434 for approximately 2.5 miles then leaves the existing highway and proceeds on new alignment until it connects with an abandoned railroad corridor approximately 1.7 miles north of LA 36. The alignment then follows the abandoned railroad alignment north and ties into the intersection of LA 40 and LA 41. The project is divided into three distinct project segments for which Ardaman was on the teams selected for Segments 2 and 3.

Segment 2 consists of an 8-mile alignment between LA 36 and LA 435 including two bridge structures and 8 culvert structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. The project consisted of 32 deep soil borings, 10 intermediate culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment. Global Positioning System (GPS) data was collected at each soil boring location along with groundwater level readings.



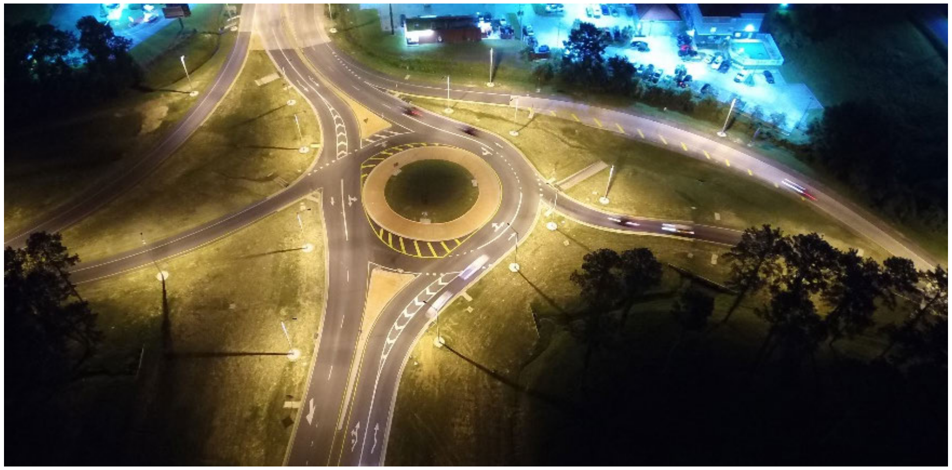
Soil boring logs were created in LADOTD format. Ardaman also provided geotechnical analyses and recommendations according to LRFD guidelines that included recommended pile capacities, culvert bearing capacities, embankment settlement analyses, and a pile data table.

FIRM MEMBERS

Robert Jewell, Megan Bourgeois, Robert Rousset, Chandler Willis

17. Firm Experience:

Firm name	**Modjeski and Masters, Inc.**			Past Performance Evaluation Discipline(s)*	Other (roadway lighting)
Project name	**I-12 @ LA 447 (Walker) Interchange Lighting/CRES**			Firm responsibility (prime or sub?)	Prime
Project number	H.012503.5	Owner's name	Louisiana Department of Transportation and Development		
Project location	Livingston Parish		Owner's Project Manager	Christopher LeBourgeois, PE	
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802; (225) 379-1088; Christopher.lebourgeois @la.gov				
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)			$316
Services completed by this firm (mm/yy)	09/19	Cost of consultant services provided by this firm ($1,000's)			$316



The project involved the design of roadway lighting at the I-12/LA 447 Interchange in Walker, LA. The design included providing lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M provided plans & construction estimates, and construction related services including shop drawing review and field inspections.

PROJECT FEATURES:

- Development of a photometric analysis of the interchange and two roundabouts conforming to the LADOTD Illumination Standards.
- Design and development of electrical lighting plans and specifications conforming to the LADOTD Illumination Standards and the National Electric Code.
- Construction Related Engineering Support Services

PERSONNEL: Zolan Prucz, PhD, PE, Principal-in-Charge, Joseph Strenkoski, PE, Project Manager, Jonathan Gerhart, PE, Cullen Ledet, PE, Erin Rodgers, PE

17. Firm Experience:

Firm name	**Modjeski and Masters, Inc.**	Past Performance Evaluation Discipline(s)*	Other (Decorative Lighting)		
Project name	**US 90-Z CCC Decorative Lighting**	Firm responsibility (prime or sub?)	Prime		
Project number	H.015504.5	Owner's name	Louisiana Department of Transportation and Development		
Project location	Orleans and Jefferson Parishes	Owner's Project Manager	Christina Brignac, PE		
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802, (225) 379-1394, christina.brignac@la.gov				
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$509		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$509		

This project involved the design of the proposed Dynamic Decorative Lighting System to be installed on the two Crescent City Connection (CCC) Bridges over the Mississippi River in New Orleans, LA. (CCC #1 & CCC #2). The proposed decorative lighting system will include remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. The CCC Decorative Lighting project is currently scheduled for a December 2023 construction letting by LADOTD. Construction is anticipated to be completed by December 2024. LADOTD's goal is to have the decorative lighting system fully operational by the 2025 Super Bowl scheduled for February 9, 2025, in New Orleans, LA.

Project Features

- Design and development of electrical lighting plans and specifications conforming to the LADOTD Illumination Standards and the National Electric Code.
- Coordination with the U. S. Coast Guard (USCG) for approval to install the decorative lighting
- Develop Level 4 Transportation Management Plan (TMP)

Tasks Performed

- Electrical Design
- Photometric Analysis
- LED Decorative Lighting
- Final Construction Plans and Specifications

Key Personnel: Cullen J. Ledet, PE, Joseph G. Strenkoski, PE, Jonathan E. Gerhart, PE, Newell H. Schindler, PE, Justin M. Guillot, PE, Erin N. Rodgers, PE

17. <u>Firm Experience:</u>

Firm name	**Modjeski and Masters, Inc.**	Past Performance Evaluation Discipline(s)*	Other (roadway lighting)
Project name	**US-171/LA 8/28 Roundabout Lighting**	Firm responsibility (prime or sub?)	Prime
Project number	H.002691	Owner's name	Louisiana Department of Transportation and Development
Project location	Leesville, LA	Owner's Project Manager	Michael Armentor, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802, (225) 379-1088, Michael.Armentor@la.gov		
Services commenced by this firm (mm/yy)	11/2010	Total consultant contract cost ($1,000's)	$292
Services completed by this firm (mm/yy)	10/2013	Cost of consultant services provided by this firm ($1,000's)	$292

The project involved the design of roadway lighting for a two-lane, four-legged modern roundabout that was reconstructed from a signalized T-intersection of US-171 with LA 8/28. M&M performed a photometric analysis of the roundabout and the associated legs conforming to the LADOTD Illumination Standards. The design and development of the electrical lighting plans and specifications conformed to the LADOTD illumination Standards. The design incorporated the use of decorative light fixtures and poles and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and O&M manual review and field inspections.

Tasks Performed

- Electrical Design
- Photometric Analysis
- Field Inspection
- Construction Support
- Utility Coordination
- Decorative Lighting

Key Personnel: Cullen J. Ledet, PE, Jonathan E. Gerhart, PE

18. <u>Approach and Methodology:</u>

State Project No. H.015724 (Kings Hwy: Healthcare & Dev. Corridor) has the potential to transform the Shreveport healthcare and development corridor from US 171 (Hearne Ave.) to Samford Ave. and the surrounding area by improving access and safety for all users, especially pedestrians and bicyclists. This project will be funded with a $27M RAISE grant (including 20% match by the City of Shreveport) and will complement over $300M of investments planned by private stakeholders. Major features of the project include:

- Full road reconstruction
- Pedestrian and bicyclist facility improvements
- Traffic signal improvements, including upgrading existing signals to add TSP/EVP and signal replacement
- Street lighting improvements
- Utility relocations, including a new utility duct bank
- Bus rapid transit route, including shelters, pull-outs, signage, and pavement markings for three main bus stops and six secondary bus stops

These infrastructure improvements will have a positive impact on the community by improving mobility and connectivity while also significantly improving pedestrian and bicyclist safety. Based on Horizon's review of available documents related to the project, such as the City of Shreveport's RAISE Grant application, and the scope of work, we have identified the following major challenges that will need to be addressed to deliver a successful project:

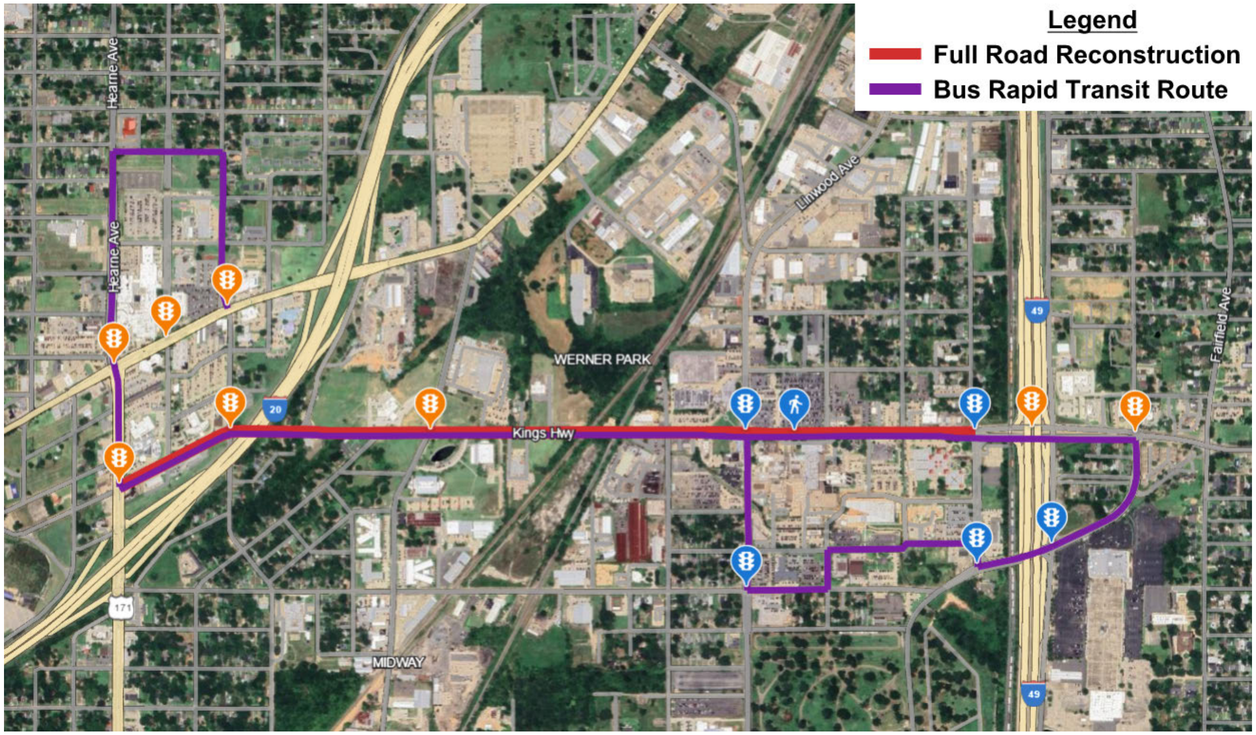


FIGURE 1: PROJECT MAP

1. SCHEDULE

The Notice to Proceed will likely not be issued until early 2025 at the earliest. It is critical that the schedule be compressed as much as possible to ensure that federal authorization is received by September 2026. Horizon will work with DOTD and the City of Shreveport to optimize the scope of work and eliminate potential delays. We will also continuously communicate our design progress to ensure that everyone is on the same page and reduce review durations. Please see Figure 2 for an example schedule that will allow the project to proceed to construction prior to September 2026.

2. SCALE

This project covers an extremely large area with approximately 1.5 miles of full road reconstruction (including utility relocations, pedestrian and bicyclist facility improvements, and lighting improvements), 8 traffic signal upgrades, 6 traffic signal replacements, 11 bus rapid transit (BRT) routes, and 12 traffic study locations. The survey scope of work includes more than 8,000 linear feet of road through a heavily trafficked and congested corridor. Our Team has many survey crews, geotechnical investigation crews, inspectors, and other field personnel available to quickly complete the pre-design scope of work and proceed to design.

3. COORDINATION

As a Local Public Agency (LPA) project, coordination with both DOTD District 04 and the City of Shreveport will be critical to ensure that all project team members are on the same page regarding the contract and scope of services; roles, responsibilities, and expectations; schedule; budget; and surveying, geotechnical investigation, traffic study, and design requirements. We recognize that DOTD also has plans for future projects in the vicinity of this project, including potentially overlapping work near the Center for Molecular Imaging and Therapy as part of the Shreveport Pavement Program. We will work with other project teams as necessary to properly coordinate this project with other future improvements.

Horizon will assist the City of Shreveport with coordination with all project stakeholders, including representatives for impacted businesses and properties. Major stakeholders within the project limits include Ochsner LSU Health Shreveport, LSU Health Shreveport, Shriners Hospital for Children, Willis-Knighton Health, and the Biomedical Research Foundation.

4. EXPECTATIONS

Many local leaders and organizations have advocated extensively for this project, especially the many healthcare providers along the corridor who plan to invest over $300M in new or upgraded facilities. Horizon cares about our community and understands how important this project is to the public. We have a personal connection to our work and are extremely invested in the success of this project. Horizon's principals serve as our lead design and construction engineers and will always be available to respond to DOTD and the City of Shreveport's needs. We will assist with public outreach/engagement when requested to ensure that all expectations are not only met but exceeded.

SCOPE OF WORK

Horizon fully understands the scope of work and will complete all tasks listed in Attachment A of the Advertisement in accordance with applicable requirements, such as 23 CFR 630, Preconstruction Procedures; 23 CFR 625, Design Standards for Highways; Americans with Disabilities Act (ADA); DOTD Minimum Design Guidelines; DOTD Roadway Design Procedures and Details (i.e., Road Design Manual); AASHTO A Policy on Geometric Design of Highways and Streets (i.e., Green Book); AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities; DOTD Complete Streets and Access Connections Policies; AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals; DOTD Location and Survey Manual, including Addendum A; DOTD Traffic Engineering Manual; DOTD Traffic Engineering Process and Report (TEPR); DOTD Traffic Signal Manual; DOTD Hydraulics Manual; DOTD Engineering Directives and Standards (EDSMs); and DOTD Construction Plans Quality Control/Quality Assurance Manual. Horizon will implement the following approach and methodology, which highlights the major tasks required but is not all-inclusive, to complete the project safely, correctly, on time, and in accordance with DOTD and City of Shreveport's requirements:

PRE-DESIGN PHASE

- **Project Set-Up Meeting:** Meet with DOTD District 04 personnel and City of Shreveport Department of Public Works personnel, such as DOTD's Project Manager, Gary Norman (Director of Public Works), and Jarvis Morgan (Assistant Director of Public Works), to review the contract and scope of services; roles, responsibilities, and expectations; schedule; budget; and topographic/ROW survey, geotechnical investigation, traffic data collection/analysis, and design requirements.
- **Preliminary OPCC:** Prepare preliminary OPCC within 30 days of the NTP to assist

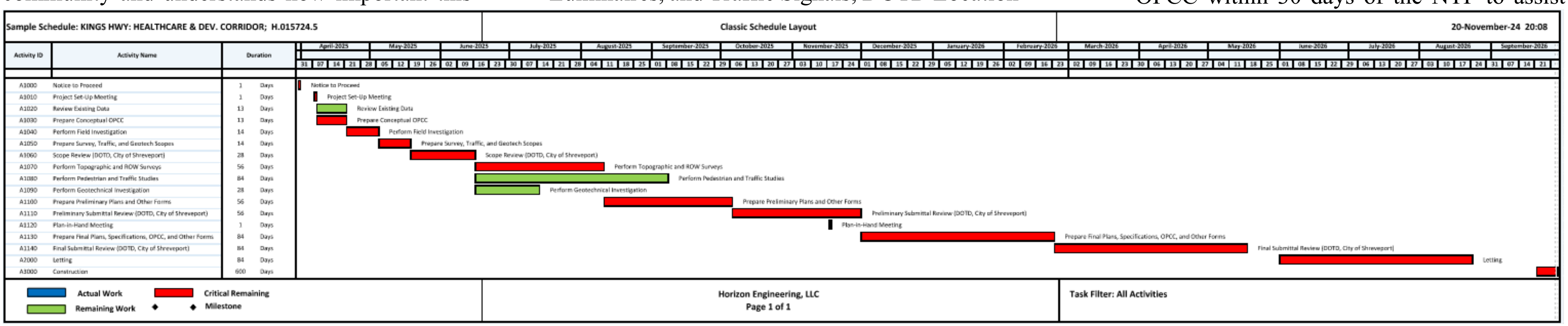


FIGURE 2: PROJECT SCHEDULE

City of Shreveport with optimizing the scope of work based on the available budget.

- **Existing Data Review:** Review existing data, such as as-builts for the original road construction and subsequent improvements/repairs, soil borings, pavement cores, traffic studies, utility information, and other related information, if available, to facilitate preparation of survey, geotechnical, and traffic scopes and identify existing pavement thickness and base material and thickness.
- **Design Progress Meetings:** Meet with DOTD and City of Shreveport personnel monthly (or more frequently if desired) throughout design. Prepare agendas and meeting minutes.
- **Survey, Geotechnical, and Traffic Scope:** Based on a field investigation, prepare the topographic/ROW survey, geotechnical investigation, and traffic data collection/analysis scope of work and submit to DOTD and the City of Shreveport for review.
- **Topographic and ROW Survey:** Establish baseline along Kings Hwy. and temporary benchmarks for horizontal and vertical control. Obtain locations of existing drainage, utilities, and other pertinent topography/features. Obtain additional points at intersections to facilitate traffic signal, lighting, and curb ramp design.
- **Geotechnical Investigation:** Obtain shallow borings every 1,000 feet along Kings Hwy. to a minimum of 8 feet below the pavement surface or existing grade. Perform dynamic cone penetration testing at every other shallow boring location. Classify soil in accordance with the AASHTO Soil Classification System. Obtain PH and resistivity information at culvert locations.
- **Pedestrian Traffic Data Collection/Analysis:** Obtain pedestrian volume counts at proposed crosswalk locations. Additional traffic data at pedestrian count locations will also be obtained and/or analyzed if warranted, such as vehicular volume counts, crash data, and signal timing.
- **Vehicular Traffic Data Collection/Analysis:** Obtain 7 day/24 hour (or 48 hour if permitted) volume counts with classifications in accordance with DOTD TEPR requirements. Volume counts and classifications will be obtained using PicoCount 2500 counters. Multiple sets of tubes/counters will be used to properly classify directional traffic in each lane. The traffic data will be used to calculate design ESALs and determine the appropriate pavement section, as well as facilitate conceptual design.
- **Traffic Study:** Based on the data collection/analysis, safety analysis, sight distance triangles, review of existing facilities (e.g., road geometry, traffic signals, pavement markings, signage, etc.), and other related information, prepare traffic study evaluating potential safety and mobility improvements for US 171, Marion St., Portland Ave., Kings Hwy., Barret St./Mall St. Vincent Ave., Samford Ave., Woodrow St., Dowdell St., Claiborne Ave., Linwood Ave., and US 79.
- **H&H Analysis:** Perform hydrologic and hydraulic analysis as necessary to facilitate design of drainage improvements.
- **Photometric Analysis:** Perform photometric analysis as necessary along proposed road lighting locations to facilitate design of lighting improvements.

DESIGN AND PREPARATION OF PLANS, SPECIFICATIONS, AND OPCC

- **Plan Preparation:** Prepare Plans on 22"x34" sheets in accordance with DOTD CAD Standards. Use CADconform to verify conformance with DOTD CAD Standards. Prepare the following plan sheets:
  - **Title Sheet and Layout Map**
  - **Index**
  - **Typical Sections and Details**
  - **General Notes**, including a general description of the scope of work; One Call and utility contact information; and clarifications regarding the applicability of DOTD and City of Shreveport standard plans.
  - **Summary of Estimated Quantities**, including primarily standard DOTD pay items and only including nonstandard pay items when a standard pay item does not exist.
  - **Summary Sheets**
  - **Plan and Profile Sheets**
  - **Survey Reference Points**, including baselines and TBM coordinates and type (iron rod, cross cut, etc.)
  - **Existing Drainage Maps**
  - **Design Drainage Maps**
  - **Summary of Drainage Structures**
  - **Geometric Layout and Details**
  - **Permanent Signage and Pavement Marking Layout**, including striping near intersections and other complex areas where standard plans do not apply.
  - **Detail Sheets**, including curb ramps, tie-ins to existing pavement or curbs, drainage structure adjustments, and base rehabilitation as necessary and notes describing where they apply and whether they supersede any standard plans.
  - **Sequence of Construction**, including measures to minimize disruptions to

businesses and traffic, such as staggering road work and limiting the maximum number of driveways or medians that can be closed at one time. The use of high-early strength concrete for PCCP will also be considered to minimize disruptions.

- **Traffic Control Plan**, including TTC devices to properly delineate the travel lanes and any required detours (vehicular and pedestrian) during construction and minimize the potential of motorists driving into the work zone or fresh asphalt/concrete. Flaggers may also be required at major intersections to guide traffic during active construction periods. The TCP will be designed in accordance with the MUTCD, DOTD Traffic Engineering Manual, and DOTD TTC standard plans.
- **Cross Sections**
- **Subgrade Soil Survey**

- **DOTD Standard Plans:** Incorporate applicable DOTD standard plans and special details, including BM-01, CB-06, CB-Adjust, MC-01, and MH-06 (for drainage structure adjustments or replacement); CP-01, CPR-01-03, DW-01, and PM-01-02, 05, and 07-08; PED-01 (for curb ramps); TTC-00(A) – (D), 02-04, 06-07, 09-10, and 15-18 (for TTC).
- **Specification Preparation**: Prepare nonstandard specifications, such as saw cutting. Assist DOTD and the City of Shreveport with preparation of special provisions as requested. Incorporate the following standard specifications:
  - DOTD Standard Specifications for Roads and Bridges, 2016 Edition
  - DOTD 2016 Supplemental Specifications
  - Applicable ASTM standards if necessary
- **Opinion of Probable Construction Cost**: Prepare OPCC using estimated quantities, recent DOTD letting information, and bid tabs of recent projects of similar scope and magnitude.
- **Submittals:** Submit submittals to the City of Shreveport or upload directly to ProjectWise if directed, including:
  - **QA/QC Plan**
  - **Survey Data and Base Map (if requested)**
  - **Preliminary Submittal and Design Report** (plan-in-hand meeting to follow)
  - **Final Submittal and Design Report**, including digitally sealed and signed final Plans with written certification.
  - **Hydraulics Report**
  - **Stormwater Pollution Prevention Plan**
  - **Constructability Review Form**
  - **Estimated Contract Time Worksheet**
  - **Transportation Management Plan**
  - **QA/QC Checklist**
  - **Additional Submittals (if requested)**

BIDDING PHASE

Assist DOTD and City of Shreveport with responses to contractor questions and preparation of addenda if necessary.

CONSTRUCTION PHASE

If requested, assist DOTD and City of Shreveport with construction support tasks, such as attending the preconstruction conference, reviewing RFIs and other questions, and providing clarifications, including Plan and Specification modifications, as necessary during construction.

We appreciate the opportunity to submit this proposal and hope to work with DOTD and the City of Shreveport to deliver a successful project that improves our community.

19. Workload:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	N/A	N/A	N/A	N/A
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	74,429
Vectura Consulting Services, LLC	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	71,398
Vectura Consulting Services, LLC	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	66,032
Vectura Consulting Services, LLC	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	11,202
Vectura Consulting Services, LLC	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	572
Vectura Consulting Services, LLC	Traffic	4400023075 H.013522	S. Lewis Street Widening	7,499
Vectura Consulting Services, LLC	ITS	4400016364 H.015136.1	Lake Charles Regional ITS Architecture Update	12,643
Vectura Consulting Services, LLC	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	6,820
Vectura Consulting Services, LLC	Traffic	4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	57,042
Vectura Consulting Services, LLC	ITS	44000020058 H.011507.1	Monroe Phase 3 SEA	29,217
Vectura Consulting Services, LLC	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	20,146
Vectura Consulting Services, LLC	ITS	4400016364 H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	11,260
Vectura Consulting Services, LLC	ITS	4400016364 H.014511.1	Houma Regional ITS Architecture Update	10,746
Vectura Consulting Services, LLC	Traffic	4400025299 H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	360,988
C. H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 4400020291 State Project No. H.012869	LA 182 / Renaud Roundabout	$167,950

C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Elenor Road Over Coulee	$55,376
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Puma Road Over Coulee	$129,325
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Beiber Road Over Nezpique Bayou	$67,000
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Mullins Road Over Tate Bayou	$63,687
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015511	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 E. Martial Ave Over Coulee	$65,283
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	$84,500
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee PKWY. Over Coulee	$123,300
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Wastewater Road Over Bayou Boeuf	$58,841
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Phillip Street Over Drainage Bayou	$102,875

C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Huval Street Over True Canal	$67,850
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	$153,275
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Minos Road Over Coulee	$74,000
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Aristide Road Over Coulee	$87,440
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Guegnon Street Over Youngs South Coulee	$146,150
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	$491,353
Ardaman & Associates, Inc.	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	$110,726
Ardaman & Associates, Inc.	Geotech	44-1960; H.013897	I-10 / I-12 College Drive Flyover Ramp	$111,743
Ardaman & Associates, Inc.	Geotech	44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	$301,929
Ardaman & Associates, Inc.	Geotech	H.04435	I-12 to Bush Construction Phase	$47,956
Ardaman & Associates, Inc.	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	$26,051
Ardaman & Associates, Inc.	Geotech	44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	$18,088
Ardaman & Associates, Inc.	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	$90,833

Ardaman & Associates, Inc.	Geotech	44-25025; H.015337, H.015452-63, H.015489-92	Rural Bridge Replacement	$269,448
Ardaman & Associates, Inc.	Geotech	44-24652; H.012842.5	LA 124 Ext. Near Larto Lake	$4,907
Ardaman & Associates, Inc.	Geotech	44-24652; H.014265.5	N River Road Irving Branch	$4,649
Ardaman & Associates, Inc.	Geotech	44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	$8,483
Modjeski and Masters, Inc.	Bridge	JN 3144	Expert witness services in bridge design, construction, repair and forensic analysis	$266,266
		Retainer Contract 4400005395	**Construction Engineering and Inspection with Painting Statewide**	
Modjeski and Masters, Inc.	Bridge	H.011705.6	US 11 Lake Pontchartrain Bridge Rehabilitation - Phase 2 Orleans Parish	N/A
Modjeski and Masters, Inc.	Bridge	H.011494.6	US 90 Atchafalaya River Bridge Rehabilitation St. Mary Parish	N/A
		Retainer Contract 4400005774	**Bridge Preservation Statewide**	
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.004791	Subconsultant: Belle Chasse B7T Replacement P3 - Electrical and Structural	N/A
		IDIQ Contract 4400017263	**Bridge Preservation Statewide**	
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.013866.6	I-12: LA 21 to US 190 Navigation Lighting & Roadway Lighting	$58,534
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.003184.6	I-10: Texas State Line - E. of Coone Gully - CRES	$37,920
Modjeski and Masters, Inc.	Bridge	H.011485.6	LA336-1: Bayou Teche Bridge Rehabilitation	$40,909
Modjeski and Masters, Inc.	Bridge	H.014587	LA 302: Kerner Ferry Bridge Repairs PH 2 - Constr Support	$63,566
Modjeski and Masters, Inc.	Bridge	H.014406.6	Houma Navigation Canal Swing Bridge - Electrical Repair CRED	$8,517

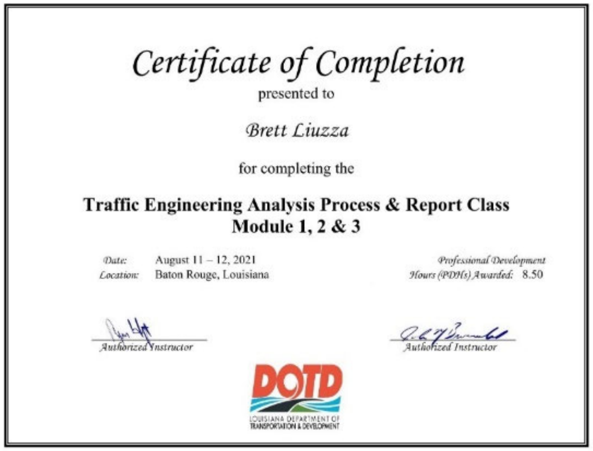
Modjeski and Masters, Inc.	Bridge	H.014465.5	Perry Bridge Rehabilitation - Final Design	N/A
Modjeski and Masters, Inc.	Bridge	H.004647.6 (Task Order 1)	I-20 MS River Bridge at Vicksburg, - Monitoring	N/A
Modjeski and Masters, Inc.	Bridge	H.015028.6	Bayou Barataria Bridge MB Replacement - Phase I	$111,517
Modjeski and Masters, Inc.	Bridge	H.001234.6	LA 1 Port Allen Bridge - Geotech Settlement Remediation	$57,162
Modjeski and Masters, Inc.	Bridge	H.010882.6	LA18: 4th Street Bridge Rehabilitation Construction Support	$31,704
Modjeski and Masters, Inc.	Bridge	H.009479.6	West Larose Lift Bridge Rehabilitation - Const Support	$3,688
Modjeski and Masters, Inc.	Bridge	H.011705.6	US 11 Lake Pontchartrain Bridge Rehabilitation - Ph2	$24,040
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.012889.6	I-20 Rehab (Pines Road to I-220) Bossier City Lighting CRES	$117,853
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.009266.5	I-10 (LA 73 to LA 30)	$1,688
Modjeski and Masters, Inc.	Bridge	H.015612.6	Ted Hickey Strengthening - Construction Support	$25,523
Modjeski and Masters, Inc.	Bridge	Contract 44-29193 H.004100.5/H.004100.6	Subconsultant: LA 415 to Essen Lane on I-10 and I-12 Segment 1 Task 2	$1,161,632
Modjeski and Masters, Inc.	Bridge	Contract 44-21128 H.001234.6	Subconsultant: LA 1: Port Allen Canal Bridge Replacement - Phase 1 CRES	$35,082
Modjeski and Masters, Inc.	Bridge	Contract 44-21128 H.014258.6	Subconsultant: LA 1: Port Allen Canal Bridge Repl. - Phase 2 NB Design	N/A
		IDIQ Contract 4400020063	**Electrical Services Statewide**	
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.014646	I-20: US 165 to Garrett Road Lighting	$33,852
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.014555.5	I-10 at LA109 Interchange Lighting (Toomey)	$106,104
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.015019.5	I-10 at LA3063 Interchange Lighting (Vinton)	$126,984

Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.015085.5	I-10 @ LA108 Interchange (Vinton) Lighting	$129,727
Modjeski and Masters, Inc.	Bridge		I-10 Calcasieu Bridge Replacement PC	N/A
Modjeski and Masters, Inc.	Bridge	Contract 44-20156 H.011965.6	Subconsultant: LA 47 IWGO Bridge Rehab CRES	$117,352
		IDIQ Contract 4400024187	**Bridge Preservation Statewide**	
Modjeski and Masters, Inc.	CEI/OV	H.003144.6	MRB (Luling) CEI of Latent Defects	$3,699
Modjeski and Masters, Inc.	Bridge	H.015115.5	LA 24 over ICWW Repair	$73,006
Modjeski and Masters, Inc.	Bridge	H.011137.6	I-12: LA 1077 to LA 21	$108,967
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.015504.5	CCC Decorative Lighting	$18,046
Modjeski and Masters, Inc.	Bridge	H.000263.5	Chef Menteur Pass Bridge and Approach	$57,666
Modjeski and Masters, Inc.	Other (Roadway Lighting)	H.015504.6	CCC Decorative Lighting	$67,710
Modjeski and Masters, Inc.	Bridge	H.002980.6 -Task Order 9	I-10 Overpass Over US 165 & MP RR	$110,649
Modjeski and Masters, Inc.	Bridge	H.014998.6 -Task Order 10	West Larose Lift Bridge Rehabilitation - Final Design	$295,261
Modjeski and Masters, Inc.	Bridge	H.014998.6 -Task Order 11	West Larose Lift Bridge Rehabilitation - CRES Close Out	$85,238
Modjeski and Masters, Inc.	Bridge	Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road	$4,468
		IDIQ Contract 4400021593	**Bridge Load Rating Services Statewide**	
Modjeski and Masters, Inc.	Bridge	H.009859.5	Bridge Load Rating (Task Order 1)	$838,473
Modjeski and Masters, Inc.	Bridge	H.009481 and H.013116	Subconsultant: Acrow LA 20 - Inspection	$26,430
Modjeski and Masters, Inc.	Bridge	Contract 44-22581 H.011221.5	I-10: N.O. CBD3 (Poydras - Louisa)	$270,758

Modjeski and Masters, Inc.	Bridge	Contract 44-22581 H.011222.5	I-10: N.O. CBD4 (Louisa - I510)	$416,551
Modjeski and Masters, Inc.	Bridge	Contract 44-23512; Task Order No. 2	Subconsultant: I-10 Bridge crossing the MS River - Inspection 2024	$69,307
Modjeski and Masters, Inc.	Bridge	Contract 44-23512; Task Order No. 3	Subconsultant: I-10 Bridge crossing the MS River - Inspection 2024	$107,343
		IDIQ Contract 4400027614	**Painting Inspection and Environmental Monitoring with Construction Engineering and Inspection - Statewide**	
Modjeski and Masters, Inc.	CEI/OV	H.011487.6	LA 182: Berwick Bay Bridge Rehabilitation	$2,521,704

20. <u>Certifications/Licenses:</u>

Brett Liuzza, PE



Certificate of Completion

presented to

Brett Liuzza

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brett Liuzza

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/18/2022 to 2/18/2026
Training Valid Through

New Orleans, LA
Location

Director of Training

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

BRETT LIUZZA

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 4/6/2022

Exp. Date 4/6/2026

State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

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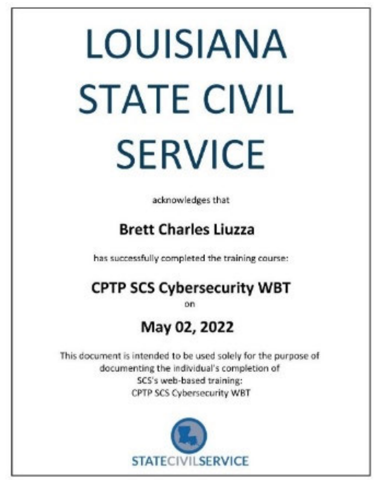
Verify at Flagger.com



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Brett Charles Liuzza

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

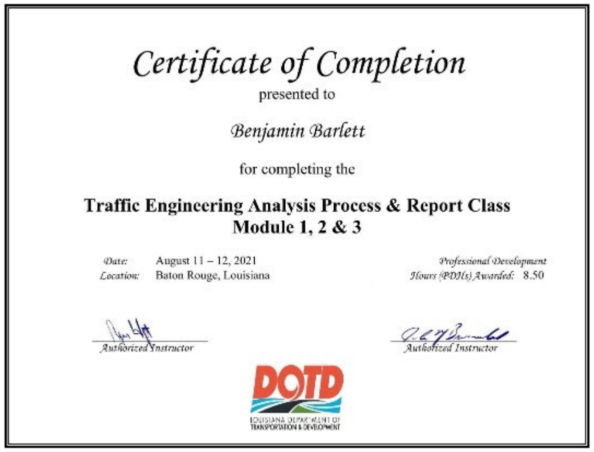
May 02, 2022

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training: CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

20. <u>Certifications/Licenses:</u>

Ben Bartlett, PE, PTOE



Certificate of Completion

presented to

Benjamin Barlett

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 (PDH(s)) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD

Louisiana Department of Transportation & Development

Transportation Professional Certification Board, Inc.

certifies that

Benjamin M. Bartlett

has met all of the requirements established by the Certification Board to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4090 issued in Washington, DC, U.S.A.
3/29/2016

Hannah W. Ackert
Chair

Jeffrey F. Paniati
Executive Director

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Benjamin Bartlett

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

<u>2/18/2022</u> to <u>2/18/2026</u>
Training Valid Through

Director of Training

New Orleans, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA SAFER ROADS SAVE LIVES

American Traffic Safety Services Association

This is to affirm that

BEN BARTLETT

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/28/2022

Exp. Date 3/28/2026

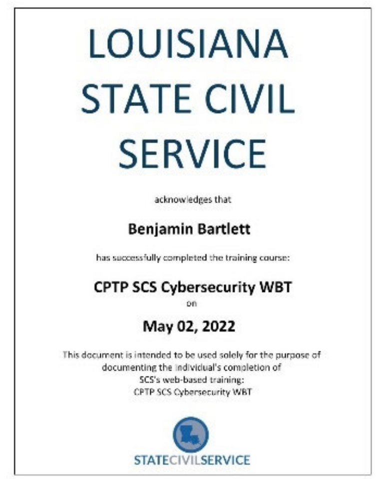
State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

V0000046657

Verify at Flagger.com



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Benjamin Bartlett

has successfully completed the training course:

CPTP SCS Cybersecurity WBT

on

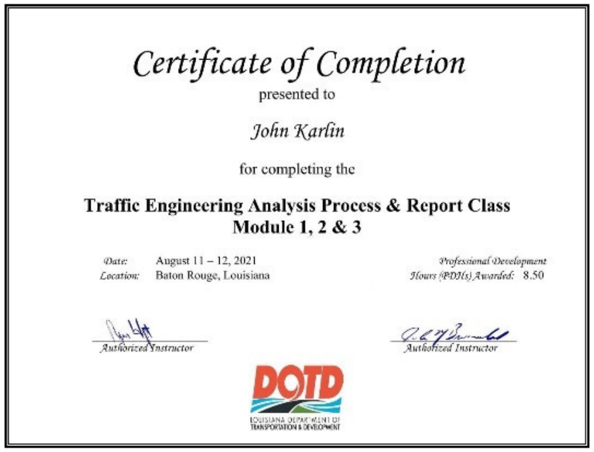
May 02, 2022

This document is intended to be used solely for the purpose of documenting the individual's completion of SCS's web-based training:
CPTP SCS Cybersecurity WBT

STATECIVILSERVICE

20. Certifications/Licenses:

John Karlin, SE, PE



Certificate of Completion
presented to
John Karlin
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 (PDH(s)) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
Louisiana Department of Transportation & Development

ATSSA TRAINED

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Karlin
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

2/18/2022 to 2/18/2026
Training Valid Through

New Orleans, LA
Location

Director of Training

President, CEO

ATSSA

American Traffic Safety Services Association ATSSA.com

ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

JOHN KARLIN
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 4/12/2022
Exp. Date 4/12/2026
State Issued LA

Debbie Purcella
Instructor Name

Instructor Signature

V0000047355

Verify at Flagger.com

20. <u>Certifications/Licenses:</u>

Sheelagh Brin Ferlito, PE, PTOE

> *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*
> DOTD — 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

> ATSSA TRAINED
> PROOF OF TRAINING
> THIS CERTIFICATE HEREBY RECOGNIZES THAT
> **Brin Ferlito**
> has attended
> **Traffic Control Supervisor Refresher-LA State Specific**
> Training Course
> 4/29/2022 to 4/29/2026
> Training Valid Through
> Director of Training
> Baton Rouge, LA
> Location
> President, CEO
> *ATSSA provides training and certification but neither constitutes employment by ATSSA.*
> *This certificate provides proof of training, not certification.*
> ATSSA American Traffic Safety Services Association ATSSA.com

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

20. Certifications/Licenses:

Laurence Lambert, PE, PTOE, PTP

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*

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*

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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American Traffic Safety Services Association ATSSA.com

American Traffic Safety Services Association

This is to affirm that

Laurence Lambert

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023
Exp. Date 5/8/2027
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000126196

Verify at Flagger.com

20. Certifications/Licenses:

Reece Rodrigue, PE, PTOE, RSP1

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Reece Rodrigue
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA
Safer Roads Save Lives

Reece Rodrigue

has attended
National Flagger Certification Training Course

Completed: 01-OCT-2024

CEU (If Applicable): 0

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

20. Certifications/Licenses:

Kristen Farrington, PE, PTOE, RSP1

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

ATSSA TRAINED

PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA
AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Kristen Farrington
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

7/5/2025 — LA
Expiration Date — State Issued in
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com

20. Certifications/Licenses:

Travis Bodin, MBA, PLS, PMP

ATSSA
SAFER ROADS SAVE LIVES

12/20/22

440367
Mr. Travis Bodin
135 Regency Square
Lafayette, LA 70508
USA

Dear Mr. Bodin,

The American Traffic Safety Services Association (ATSSA) appreciates your participation in our Traffic Control Supervisor Refresher-LA State Specific course held on 9/23/2022. Your certificate of attendance is enclosed.

You received a passing grade of 86.00% on the final examination. Congratulations on your successful completion of this course.

Please call us at 877-642-4637 if you have any questions.

Sincerely,

Training and Business
Development Department

20. <u>Certifications/Licenses:</u>

Firm Registrations with Louisiana Secretary of State

Louisiana SECRETARY OF STATE NANCY LANDRY HOME

Search for Louisiana Business Filings

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Name	Type	City	Status
HORIZON ENGINEERING, LLC	Limited Liability Company	METAIRIE	Active

Previous Names
Business: HORIZON ENGINEERING, LLC
Charter Number: 45713383K
Registration Date: 12/14/2023

Domicile Address
1013 N. CAUSEWAY BLVD.
STE 201
METAIRIE, LA 70001

Mailing Address
1013 N. CAUSEWAY BLVD.
STE 201
METAIRIE, LA 70001

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 12/14/2023
Last Report Filed: N/A
Type: Limited Liability Company

Horizon Engineering, LLC

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

Previous Names
Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015

Domicile Address
4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address
PO BOX 14269
BATON ROUGE, LA 70898

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 8/24/2015
Last Report Filed: 7/26/2024
Type: Limited Liability Company

Vectura Consulting Services, LLC

Louisiana SECRETARY OF STATE NANCY LANDRY HO

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Name	Type	City	Status
C. H. FENSTERMAKER & ASSOCIATES, L.L.C.	Limited Liability Company	LAFAYETTE	Active

Previous Names
C. H. FENSTERMAKER & ASSOCIATES, INC. (Changed: 12/31/2011)
Business: C. H. FENSTERMAKER & ASSOCIATES, L.L.C.
Charter Number: 33922270K
Registration Date: 8/10/1982

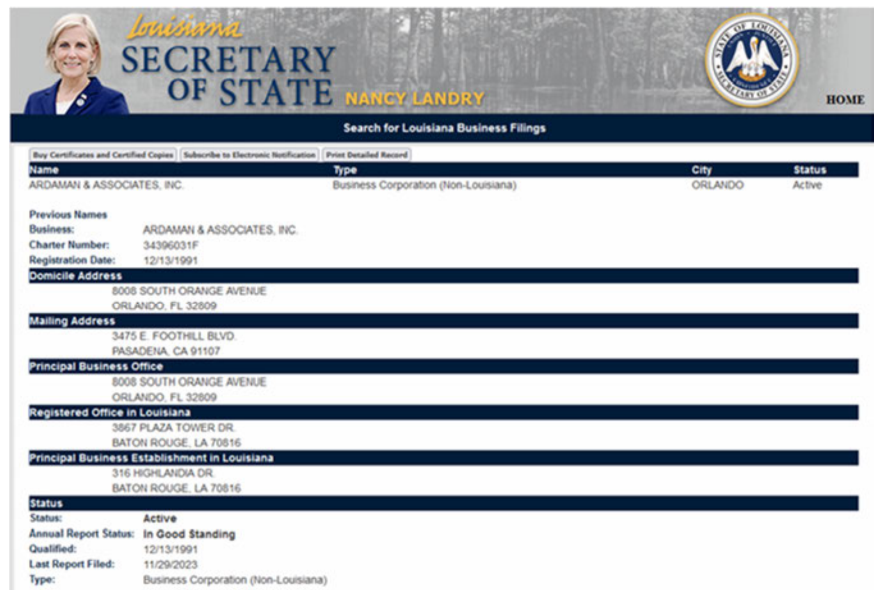
Domicile Address
135 REGENCY SQUARE
LAFAYETTE, LA 70508

Mailing Address
P.O. BOX 52106
LAFAYETTE, LA 70505

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 8/10/1982
Last Report Filed: 7/17/2024
Type: Limited Liability Company

GET

C.H. Fenstermaker & Associates, L.L.C.



Louisiana SECRETARY OF STATE NANCY LANDRY HOME

Search for Louisiana Business Filings

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Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names
Business: ARDAMAN & ASSOCIATES, INC.
Charter Number: 34396031F
Registration Date: 12/13/1991

Domicile Address
8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Mailing Address
3475 E. FOOTHILL BLVD.
PASADENA, CA 91107

Principal Business Office
8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
316 HIGHLANDIA DR.
BATON ROUGE, LA 70816

Status
Status: Active
Annual Report Status: In Good Standing
Qualified: 12/13/1991
Last Report Filed: 11/29/2023
Type: Business Corporation (Non-Louisiana)

Ardaman & Associates, Inc.

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State (Continued)

Search for Louisiana Business Filings

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Name	Type	City	Status
MODJESKI AND MASTERS, INC.	Business Corporation (Non-Louisiana)	MECHANICSBURG	Active

Previous Names

Business:	MODJESKI AND MASTERS, INC.
Charter Number:	34396692F
Registration Date:	12/27/1991

Domicile Address

100 STERLING PARKWAY, SUITE 302
MECHANICSBURG, PA 17050

Mailing Address

100 STERLING PARKWAY
SUITE 302
MECHANICSBURG, PA 17050

Principal Business Office

100 STERLING PARKWAY
SUITE 302
MECHANICSBURG, PA 17050

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

1100 POYDRAS STREET
SUITE 900
NEW ORLEANS, LA 70163

Status

Status:	**Active**
Annual Report Status:	**In Good Standing**
Qualified:	12/27/1991
Last Report Filed:	11/27/2023
Type:	Business Corporation (Non-Louisiana)

Modjeski and Masters, Inc.

21. <u>QA/QC Plan:</u>

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

22. Sub-consultant information:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809	Sheelagh Brin Ferlito, PE, PTOE bferlito@vecturacs.com	(225) 223-6685
C. H. Fenstermaker & Associates, L.L.C.	135 Regency Square Lafayette, LA 70508	Travis Bodin, MBA, PLS, PMP travisb@fenstermaker.com	(337) 237-2200
Ardaman & Associates, Inc.	316 Highlandia Dr Baton Rouge, LA 70816	Robert Jewell, PE RJewell@ardaman.com	(225) 666-4598
Modjeski and Masters, Inc.	1100 Poydras Street, Suite 900 New Orleans, LA 70163	Cullen J. Ledet, III, PE cjledet@modjeski.com	(504) 524-4344

23. <u>Location:</u>

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