ENTITY CONTRACT NO. 4400031228
STATE PROJECT NO. H.015469.5

SHREVEPORT PVMT PRGRM (PANEL REPLACE)

FOR

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

FEBRUARY 4, 2025

SUBMITTED BY:

HORIZON ENGINEERING, LLC

HORIZON ENGINEERING

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

DOTD FORM: 24-102

(Revised December 12, 2024)

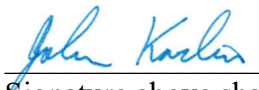
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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	SHREVEPORT PVMT PRGRM (PANEL REPLACE)
2. Contract Number(s) as shown in the advertisement	4400031228
3. State Project Number(s), if shown in the advertisement	H.015469.5
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: February 4, 2025 Date:

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

12. <u>Discipline Table:</u>

Discipline(s)	% of Overall Contract	Horizon Engineering, LLC **(Prime)**	Forte and Tablada, Inc.	Ardaman & Associates, Inc.	Each Discipline must total to 100%
Road	58%	90%	10%	0%	**100%**
Survey	20%	0%	100%	0%	**100%**
Traffic	10%	100%	0%	0%	**100%**
Geotech	10%	0%	0%	100%	**100%**
ITS	2%	100%	0%	0%	**100%**
Identify the percentage of work for the **<u>overall contract</u>** to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	**100%**	**64.2%**	**25.8%**	**10%**	**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	1	3
	Engineer	1	3
	CADD Technician	1	1
	Inspector - Lead	1*	1
	Inspector	3*	5
Forte and Tablada, Inc.	Principal	1	3
	Surveyor	1	2
	Engineer	2	4
	Party Chief	1	3
	Instrument Man	1	3
	Rodman	1	3
	CADD Technician	1	2
Ardaman & Associates, Inc.	Principal	1	2
	Supervisor - Eng	1	3
	Supervisor - Other	1	2
	Engineer	2	4
	Engineer Intern	1	6
	Senior Technician	7**	9

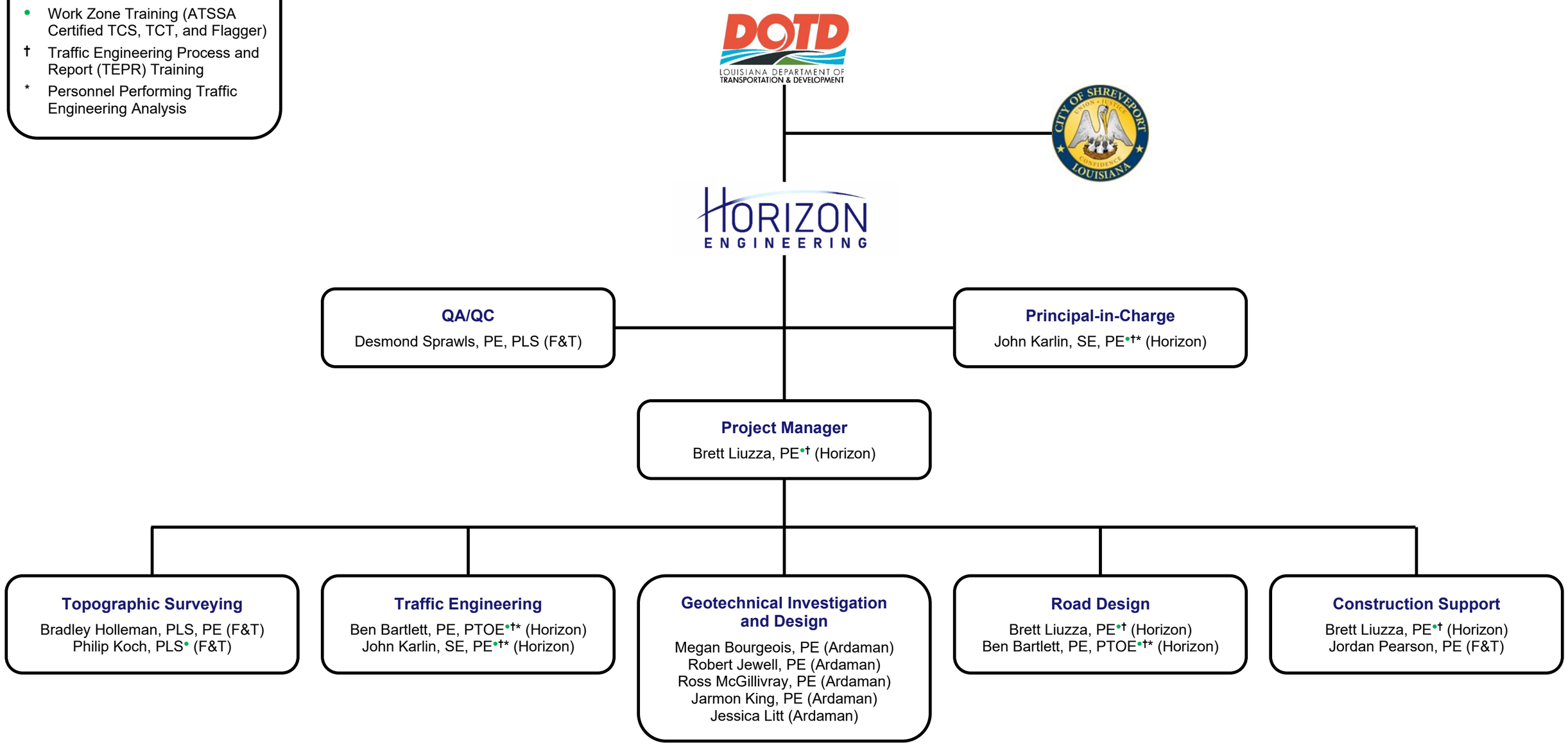
Firm name	DOTD Job Classification	**Number of personnel <u>committed</u> to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Ardaman & Associates, Inc. (Continued)	Technician	10**	14
	Administrative	1	1
	Clerical	1	2

*Inspectors will be used as necessary to facilitate field investigation and traffic data collection/analysis.
**Technicians will be used as necessary to facilitate geotechnical investigation.

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



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	John Karlin, SE, PE	Horizon Engineering, LLC	PE #44795 – Civil and Structural SE #081-008511	LA IL	3/31/2025 11/30/2026
2	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2025
3	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2025

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:** Project management, field investigation, road design, and coordination with DOTD and the City of Shreveport.		

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 and construction experience, including many recent DOTD LPA projects involving PCC pavement panel replacement and full reconstruction. • 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	**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)

07/21 – 01/24	**H.007273.6 – Magazine St (Leake Ave to East Drive)** **Owner:** City of New Orleans (LaDOTD LPA project). **Scope:** Replacement of asphalt roadway with PCC pavement roadway (including curb, driveways, sidewalks, and handicap ramps) and drainage, sewer, and water improvements. **Cost:** ≈$4,500,000. **Role:** Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Developed adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway. Performed Site Manager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
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.
05/23 – 01/24	**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.
10/23 – 01/24	**H.014317.6 – Carey St. Pavement Rehabilitation** **Owner:** City of Slidell (LaDOTD LPA project). **Scope:** Repair/replacement of deficient PCC pavement panels, curb, driveways, and handicap ramps. **Cost:** ≈$970,000. **Role:** Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Performed SiteManager duties. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the roadway. Prepared change orders and project closeout documentation.
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.

16. Staff Experience:

<table>
<tr><td colspan="6">Firm employed by **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 and Road Design Engineer **(Satisfies MPRs 1, 2, and 3)**
Responsibilities: Traffic data collection and analysis, temporary traffic control design, ITS design, and road design.</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 and road design experience, including traffic studies in accordance with DOTD TEPR requirements and DOTD LPA projects involving Intelligent Transportation Systems (ITS) and PCC pavement panel replacement.
• 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>05/23 – 01/24</td><td colspan="5">**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.</td></tr>
</table>

Ben Bartlett, PE, PTOE (Continued)

03/21 – 01/24	**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.
08/24 – 12/24	**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.
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.
10/18 – 07/19	**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.
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.
10/23 – 01/24	**H.014317.6 – Carey St. Pavement Rehabilitation** **Owner:** City of Slidell (LaDOTD LPA project). **Scope:** Repair/replacement of deficient PCC pavement panels, curbs, driveways, and handicap ramps. **Cost:** ≈$970,000. **Role:** Construction Engineer. Managed inspectors. Reviewed RFIs, submittals, and pay applications, and construction materials testing. Developed adjustments to curb ramps based on existing site conditions. Reviewed change orders and project closeout documentation.

16. Staff Experience:

<table>
<tr><td colspan="6">Firm employed by **Horizon Engineering, LLC**</td></tr>
<tr><td>Name</td><td colspan="2">John Karlin, SE, PE</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>7</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="3">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="3">PE: 44795 / LA / 3/31/2025
SE: 081-008511 / IL / 11/30/2026</td></tr>
<tr><td>Year registered</td><td>PE: 2020
SE: 2020</td><td>Discipline</td><td colspan="3">Civil Engineer and Structural Engineer
Structural Engineer</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="3">**Role:** Principal-in-Charge and Traffic Engineer **(Satisfies MPRs 1, 2, and 3)**
Responsibilities: Contract administration, traffic data collection and analysis, and coordination with DOTD and the City of Shreveport.</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>09/17 – Present</td><td colspan="5">• Over 7 years of traffic engineering and road/bridge design experience.
• 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="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:** ≈$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>07/21 – 12/22</td><td colspan="5">**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.</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:** 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.
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.
09/17 – 03/22	**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, 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.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	**Bradley S. Holleman, P.E., P.L.S.**	Years of relevant experience with this employer	3.5
Title	Senior Vice President, Survey/AMM	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	B.S. / 2009 / Civil Engineering with Minor in Land Surveying		
Active registration number / state / expiration date	PLS 5082 / Louisiana / 09/30/2026; PE 47165 / Louisiana / 03/31/2025		
Year registered: 2012	Discipline: Land Surveying		
Contract role(s) / brief description of responsibilities	Mr. Holleman has 12 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 8 years being the Supervising Professional and 3 years as Principal. He has successfully managed over 40 task orders under 8 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. Mr. Holleman will serve as Principal-in-Charge during this contract, and in that role he will coordinate with the Project Manager to assure the work is estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada's quality standard.		

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).
01/21-04/23	**H.011684 LA 327 Spur: Staring Lane Extension- East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974- Task Order 5)- Principal-in-Charge** for a **topographic survey, Terrestrial LiDAR survey, and drainage map** for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30.
01/21-12/22	**H.003931- Calcasieu River Bridge (HBI) – Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4)** – **Principal-in-Charge** for this project providing **topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping**. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a **condensed timeline, requiring up to 6 Survey Crews** being mobilized in order to meet deadlines for each Phase.
06/21 – Ongoing	**H.014219, H.014222, H.014228, H.014231 and H.014236 – Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336) - Principal-in-Charge** for **topographic surveying and right-of-way mapping services**.
01/21 – 03/22	**H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598)– Principal-in-Charge** for **topographic surveying and right-of-way mapping services**.
08/23 – Ongoing	**H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029)–** **Principal-in-Charge** for **topographic surveying and right-of-way mapping** services.
01/23- 01/24	**H.014218 US190-Livingston Parish Line – East Baton Rouge Parish, LA (4400021974- Task Order 2) – Principal-in-Charge** for this project providing **topographic survey, Mobile LiDAR, and drainage mapping**. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.

01/21-Ongoing	**H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD – Principal-in-Charge** responsible for providing **topographic, terrestrial LiDAR scanning, and property surveying services** for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. **Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project**, in order to meet phased deadlines.
11/19-12/20	**H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA- Surveyor** to provide **Mobile LiDAR** scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. **Terrestrial scans** were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
08/19-Ongoing	**H.011670- I-10/Loyola Interchange Improvements- Kenner, LA- Surveyor-in-Charge/Principal-in-Charge** providing **Topographic Survey, Right- of-Way Survey, and Drainage Survey**. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the **compressed timeline** of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as **Prime Surveyor**, being responsible for management and QA/QC of all Survey work. Mr. Holleman originally managed SJB Group's portion of the Survey and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.
04/21 – 06/21	**H.014628- LA 397: Turn Lanes at Rice Mill, Calcasieu Parish, LA (4400010587- Task Order 17)- Principal-in-Charge** responsible for **topographic surveying** at the intersection of LA 397 and Joe Spears Rd.
1/2018 – 4/2020	**H.004100 I-10: LA 415 to Essen Lane - Surveyor-in-Charge** for the **topographic survey and 3D Mobile laser scanning**. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
5/2018 – 4/2019	**H.012591 I-10 Paris Road Lake Pontchartrain - Surveyor-in-Charge** for the **topographic survey, 3D Mobile laser scanning** and **existing drainage map**. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East.
6/2016 – 2/2017	**H.000263 Chef Menteur Pass Bridge - Surveyor-in-Charge** for the **topographic survey, 3D laser scanning** and **existing drainage map**. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass.
12/2014 – 3/2016	**H.011137 & H.011152 I-12 (LA 21 to LA 59) St Tammany, LA – Surveyor-in-Charge** for the **topographic survey, 3D laser scanning** and **existing drainage map**. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish.
4/2012 – 9/2012	**H.009391 – LA 3188 Drainage Improvements - Laplace, LA – Surveyor-in-Charge** for the **topographic survey** and **existing drainage map**. This project was for drainage improvements to resolve localized roadway flooding along La 3188. **This project demonstrates Mr. Holleman's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.**
03/21 – 12/21	**MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement – East Baton Rouge Parish, LA – Principal-in-Charge** for this project providing **topographic surveying, Mobile LiDAR, and drainage mapping** services. This project is in a dense urban area and is approximately 4 miles long.
10/22 -12/22	**Lafayette Streetscape Survey- Congress Street, Lafayette Parish, LA – Principal-in-Charge** providing **topographic, Mobile LiDAR, and property survey** to establish existing right-of-way for approximately a mile of roadway along Congress Street.
10/22 -Ongoing	**Bootlegger Rd. Sidewalk PH2/Ochsner Blvd. Sidewalk PH1, St. Tammany Parish, LA – Principal-in-Charge** providing **topographic and property survey** to establish existing right-of-way for approximately two miles along Bootlegger Rd. and Ochsner Blvd.

16. Staff Experience:

Firm employed by	FORTE & TABLADA				
Name	**Desmond Sprawls, P.E., P.L.S**			Years of relevant experience with this employer	30
Title	Senior Project Manager			Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			B.S. / 1971 / Civil Engineering		
Active registration number / state / expiration date			15665 / LA / 03-31-2026 / 4382 / LA / 03-31-2026		
Year registered	1976 / 1978	Discipline	Civil Engineering / Land Surveying		
Contract role(s) / brief description of responsibilities	Mr. Desmond Sprawls has over fifty years of experience in providing design, planning, and project management for both private and public projects. He has served as a project manager and a design engineer for numerous projects throughout his career, and he is a professional land surveyor. Desmond Sprawls has extensive experience with roadway design including rural and urban roadways to State and Federal Guidelines, pavement evaluation and design to meet State and Federal Guidelines, and civil site work design including all utilities, drainage, site layout, and planning.				
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).				
01/08-12/19	**Highway 80 Improvements - Walter O. Bigby Carriageway, Bossier Parish, LA** Served as Design Engineer for this urban street improvement project. Project elements include roundabout design, a drainage study, geometric design, pavement widening and coordination of electrical lighting, and traffic signalization.				
01/18-01/19	**Hat Creek Acceleration Lane on LA Highway 3, Bossier Parish, LA** Project Manager for construction drawings for an approximately 1,500 linear feet acceleration lane from the Hat Creek Sand Facility along the west side of Benton Road (LA HWY 3).				
01/13-01/14	**Doug Attaway Boulevard Extension Benteler Access, Caddo-Bossier Port** Lead Design Engineer for this paving and drainage improvement project at the Caddo-Bossier Port. Responsible for coordinating construction drawings and specifications.				
02/15-12/17	**Bossier Downtown Re-Envisioning – East Bank District and Plaza, Bossier City, LA** Project Engineer for this project that "re-envisioned" the area by adding new infrastructure and landscaping to a deteriorating section of Old Bossier City. The project included geometric design, grading, drainage, paving, utilities, and stormwater detention including "Green Design." Traffic lanes were narrowed to add a designated bicycle lane and pedestrian walkways. Stormwater planters and permeable pavers were incorporated to control stormwater runoff. A public plaza area with decorative pavement and overhead shade structures was also included in the project.				
01/07-01/12	**LA DOTD S.P. No. 713-08-0110 Caplis/Sligo Road at Flat River, Bossier Parish, LA** Served as Project Manager for this 200-foot long bridge over Flat River. The project includes a detailed hydraulic analysis and improved bridge approach geometrics.				
01/06-01/10	**LA DOTD S.P. No.700-14-0111 & 700-31-0117, LA 146 Bridges near Vienna | Sabine Parish, LA** Assisted in geometric design and provided QC/QA for the construction plans for the bridge roadway approaches at five (5) different locations.				
01/05-01/07	**LA DOTD S.P. No. 700-09-0150, Youree Drive: Sand Beach Boulevard (LA 3032) | Caddo Parish, LA** Served as Project Manager for this two-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for roadway widening, preliminary and final construction plans, preparation and preparation of Right-of-Way Maps, as well as QC/QA.				

01/04-01/06	**LA DOTD S.P. No. 700-08-0113, Route LA 3105: Airline Drive | Bossier Parish, LA** Served as Project Manager for this four-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for preliminary, final roadway plans, and signalization plans for widening approx. 1.75 miles in length, bridges, roadway construction plan preparation, and preparation of Right-of-Way Maps, as well as QC/QA.
01/98-01/06	**LA DOTD S.P. No. 700-43-0150, US HWY 171: Zwolle By-Pass | Sabine Parish, LA** Served as Project Manager for this four-lane rural divided highway. Mr. Sprawls' responsibilities included plan preparation for bridges, roadway construction plan preparation, and preparation of Right-of-Way Maps, as well as QC/QA.
01/04-01/06	**LA DOTD S.P. No. 700-30-0060, US HWY 167 | Union Parish, LA** Served as Project Manager for the firm's portion of this four-lane divided rural roadway which measured approximately 6.5 miles in length. As a sub consultant we were responsible for geometric design, drainage design, three (3) slab-span bridges design, and preparation of the Right-Of-Way Maps.

16. Staff Experience:

Firm employed by	FORTE & TABLADA				
Name	**Philip Koch, P.L.S.**			Years of relevant experience with this employer	6
Title	Surveyor			Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			B.S. / 2008 / Business Management		
Active registration number / state / expiration date			5296 / LA / 03/31/2025		
Year registered	2022	Discipline	Land Surveying		
Contract role(s) / brief description of responsibilities	Mr. Koch has 6 years of Survey related experience, including 3 years as a Party Chief, and 2 years as a Professional Surveyor. He currently leads Survey field and office production in Forte & Tablada's Shreveport office. Mr. Koch will serve as the Project Manager during this contract, and in that role he will provide daily supervision over field and office work being performed out of the Shreveport office.				
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).				
04/18-02/23	**H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD – Party Chief** for providing **topographic survey services** for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. **Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project**, in order to meet phased deadlines.				
01/23 – 02/23	**H.001234 LA 1: Port Allen Canal BR Replacement, Port Allen, LA (4400021974- Task Order 6)- Lead Party Chief** for monitoring survey. Reestablish control from original contractor and created new control to monitor four bents on the LA1 Bridge. Established baseline for future monitoring of bridge by shooting elevations of footings and top of bent caps. Forte and Tablada was retained by LA DOTD to perform a bridge monitoring survey. Settlement occurred on several of the bridge piers and the department would like to have a more comprehensive understanding of the settlement and moving issues.				
10/18 – 10/18	**H.012343 Sunshine Bridge Repair – St. James Parish, LA (4400010587- Task Orders 2, 3, 4, 5, and 10) – Survey Technician** for establishing **survey control** on and near the Sunshine Bridge to use **conventional and terrestrial LiDAR scanning** methods to monitor the damage on the bridge. Monitoring efforts took place before and during construction to support engineering jacking. Post-construction as-builts and profiles of the damaged area of the bridge were also provided.				
08/19-01/20	**H.011670- I-10/Loyola Interchange Improvements- Kenner, LA- Survey Technician** providing **Topographic Survey, Right- of-Way Survey, and Drainage Survey**. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the **compressed timeline** of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as **Prime Surveyor**, being responsible for management and QA/QC of all Survey work.				
8/20-3/21	**Sims Road Improvements, East Baton Rouge Parish, LA – Party Chief** providing **topographic survey** along Sims Road from LA 16 and Renniger Road for approximately 2.9 miles. The purpose of the project was to provide an overlay and closed drainage in order to support higher traffic volumes.				

01/21 – 03/21	**Crestwood Drive, 11th St., & North St. Drainage Topographic and Right of Way Survey, St. Tammany Parish, LA- Party Chief** for **topographic and property boundary survey**, for the Crestwood Drive, 11th Street, and North Street corridors. Provided right of way maps showing property ownership, servitudes, and public Right of ways for the purposes of acquiring drainage servitudes along these corridors to maintain and potentially improve the drainage in these areas.
01/20 – 07/20	**East Baton Rouge Stormwater Masterplan , East Baton Rouge Parish, LA- Survey Technician** for **hydrographic surveying** of bayous and creeks located within East Baton Rouge Parish for the EBR Stormwater Masterplan. The work consisted of establishing cross-sections and stream bed profiles along their length as well as locating over 14,000 subsurface structures for the purposes of hydraulic modeling.
11/19 – 01/20	**Walker City-Wide Drainage Study, Walker, LA- Party Chief** responsible for numerous **topographic and waterway surveys** for several bridges, streams, creeks, and tributaries to evaluate existing drainage issues as part of a **city-wide drainage study.**
07/22-07/22	**Greenwell Springs at Morgan Improvements, East Baton Rouge Parish, LA** – **Party Chief** providing **topographic survey** for improvements of the intersection of Greenwell Springs at Morgan Rd.
06/21 – 01/23	**Amite River and Tributaries – Comite River Diversion Project, Zachary, LA- Party Chief** on McHugh Road Bridge Construction. Established control on site, created monitoring points, performed QA/QC cross sections on canal.
05/19-06/19	**Pendarvis Lane Improvements, Livingston Parish, LA – Survey Technician** providing **topographic and property survey** to establish existing right-of-way for approximately one mile along Pendarvis Rd. between it's intersections with Walker South Rd. and Lakeland Dr.
05/18-12/18	**Port Allen Interchange Bridge Monitoring, Port Allen, LA-** Contractor installed concrete barriers next to the railroad interchange under the Mississippi River Bridge. **Survey Technician** tasked to ensure construction did not compromise bridge bents. Surveyed targets daily on several bents and piles for verification.
01/19 – 02/19	**Benton Lane Improvements, Denham Springs, LA- Survey Technician** responsible for **topographical survey** of 0.467 miles of road located on Benton Lane from its junction with Route US 190 to its junction with Route LA 1032.
07/18-08/18	**Peak Lane Improvements, Walker, LA- Survey** responsible for **topographical survey** of 0.468 miles of road on Peak Lane from its junction with Route US 190 (Florida Boulevard) to its junction with Route LA 1027 (Burgess Avenue).
05/18-07/18	**Superdome, New Orleans, LA –** *Party Chief for setting a control network throughout the exterior and interior of the Superdome to be used for LiDAR scans of the entire stadium.*

16. Staff Experience:

Firm employed by	FORTE & TABLADA				
Name	**Jordan Pearson, P.E.**			Years of relevant experience with this employer	12
Title	Senior Vice President			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			B.S. / 2009 / Civil Engineering		
Active registration number / state / expiration date			38621 / LA / 09-30-2026		
Year registered	2014	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities	Mr. Jordan Pearson is certified in National Association of Sewer Service Companies (NASSCO), and is a member of the Louisiana Engineering Society (LES), the American Society of Civil Engineers (ASCE), the American Council of Engineering Companies - Louisiana (ACEC), and the Young Professional Initiative (YPI - Shreveport Chapter). Mr. Pearson serves as 1st Vice President of LES-Shreveport Branch, and President of ACEC-L.				

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).
01/08-12/19	**Highway 80 Improvements - Walter O. Bigby Carriageway, Bossier Parish, LA** Project Manager for this project which included approximately 4,000 linear feet of pavement and drainage improvements. Our scope of services included topographic surveys, right-of-way plats, roadway plans, which included a major round-about. The project also included approximately 4,500 linear feet of water mains (8" to 30"). Construction Estimate: $10,215,000
02/15-12/17	**Bossier Downtown Re-Envisioning – East Bank District and Plaza | Bossier City, LA** Project Engineer for this project that "re-envisioned" the area by adding new infrastructure and landscaping to a deteriorating section of Old Bossier City. The project included geometric design, grading, drainage, paving, utilities, and stormwater detention including "Green Design." Traffic lanes were narrowed to add a designated bicycle lane and pedestrian walkways. Stormwater planters and permeable pavers were incorporated to control stormwater runoff. A public plaza area with decorative pavement and overhead shade structures was also included in the project.
10/19 – 08/21	**Johnson Koran Road Bridge over Foxskin Bayou | Bossier Parish, LA** Project Manager for the roadway and bridge design for replacement of this new concrete bridge, 140' long, 30' clear roadway with (7) – 20' precast concrete slab spans and precast concrete pile bents with 18" PPC piles.
09/17-11/20	**Linton Road Bridge over Black Bayou Reservoir | Bossier Parish, LA** Project Engineer for replacement of bridge. New cast-in-place concrete bridge, 220' long, 40' clear roadway with (11) – 20' slab spans and pile bents with 24" PPC piles. Widened 1,030' of roadway embankment across reservoir, with concrete retaining walls each side.
06/16-02/20	**Sligo Road Bridge over Foxskin Bayou Bossier Parish, LA** Roadway and bridge design for replacement of bridge. New concrete bridge, 180' long, 30' clear roadway with (9) – 20' precast concrete slab spans and precast concrete pile bents with 16" PPC piles.
02/17-07/22	**100,000 Square Foot Warehouse Caddo-Bossier Port | Shreveport, LA** Currently serving as Project Manager for this project which includes paving, drainage, utilities and a heavy live load warehouse. Also provided feasibility study for possible rail spur service and to determine maximize square footage for an adjacent warehouse.

12/14-05/17	**Camp Forbing Marketplace/Kroger, Shreveport, LA** Design Engineer for this commercial development. Site improvements included concrete streets, parking areas, sanitary sewer, water mains, and drainage improvements. Project also included gas and electric service with a central plant serving the campus.

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	
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 18 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 / 09-30-2026 Traffic Control Supervisor / LA / 08-23-2028	
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.
06/20-11/22	**SP. NO. H.002825 / NICHOLSON DRIVE (LA HWY 30) SEGMENT 1, East Baton Rouge Parish, LA.** *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	**Ross McGillivray, PE**		Years of relevant experience with this employer	28
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			**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).
	*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.** *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	**SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE), Lafayette Parish, LA.** *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	**SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE II ROUTE US 90-Z, Jefferson Parish, LA.** *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	**(AAI 05-40-1149) I-10 BRIDGES OVER ESCAMBIA BAY, Pensacola, FL.** *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	**(AAI 0-55-9627) SR 686 OVERPASS BRIDGE, St. Petersburg, FL.** *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.
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 of 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.

16. Staff Experience:

Firm employed by	Ardaman & Associates, Inc.			
Name	**Jarmon King, PE**		Years of relevant experience with this employer	6
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 / 5-29-2028	
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.** *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	11
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 / 10-01-2027	
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.

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, 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)	12/24	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) completed a traffic study to evaluate access to the site from US 441 in accordance with Florida Department of Transportation (FDOT) requirements. Horizon's duties included:

- 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.

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

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		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; prepared final plans and specifications; and is currently awaiting permit reviews. 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), St. Johns River Water Management District, Orange County, and City of Apopka.
- 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. Firm Experience:

Firm name	**Horizon Engineering, LLC**		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**		Discipline(s)*	Other (Structural)	
Project name	Mound Rest Area Improvements			Firm responsibility (prime or sub?)	Sub
Project number	H.011446	Owner's name	LaDOTD through 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:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road	
Project name	Hogshead Road Temporary Facilities			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	S. A. Casey Construction		
Project location	Apopka, Florida		Owner's Project Manager	Shawn Casey	
Owner's address, phone, email	2822 Commerce Park Drive, Suite 400, Orlando, FL 32819 / (407) 240-6775 / scasey@sacaseyconstruction.com				
Services commenced by this firm (mm/yy)	05/24	Total consultant contract cost ($1,000's)		2	
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)		2	

Horizon Engineering, LLC prepared site plans for the installation of temporary facilities for construction on an approximately 3-acre site, including field office, utilities (including 28,000-gallon water tank), storage, and parking. The site plans were used to facilitate permitting for the project.

Firm Members Involved: Brett Liuzza

17. Firm Experience:

Firm name	Forte and Tablada, Inc.		Discipline(s)*		Survey, Road
Project name	East Bank District and Plaza			Firm responsibility (prime or sub?)	Sub
Project number	F&T 151051	Owner's name	City of Bossier City		
Project location	Bossier Parish, LA		Owner's Project Manager	Mike McSwain Architect	
Owner's address, phone, email	101 Milam Street, Shreveport, LA, 318-681-9515, mikemcswain@mikemcswainarchitect.com				
Services commenced by this firm (mm/yy)	02/15	Total consultant contract cost ($1,000's)		$ 679.4	
Services completed by this firm (mm/yy)	12/17	Cost of consultant services provided by this firm ($1,000's)		$ 679.4	

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

The purpose of the project was to take a deteriorating section of Old Bossier City and "Re-Envision" the area now known as "East Bank District and Plaza" by constructing new infrastructure and landscaping. Forte and Tablada, Inc. was responsible for topographic surveys, right-of-way surveys, geometric design, grading, drainage, paving, utilities, and stormwater detention including "Green Design" concepts. Road diet methodology was used to narrow the width of the traffic lanes on Barksdale Boulevard and add a designated bicycle lane and pedestrian walkways. Stormwater Planters and permeable pavers were incorporated into the design to control stormwater runoff. A public plaza area with decorative pavement and overhead shade structures was also included in the project.

East Bank District - Barksdale Boulevard "Complete Streets" with Street/Bike Path, and Pedestrian Mobility and Drainage Enhancements - Designed by Forte and Tablada

Project Team:
Desmond Sprawls, P.E., P.L.S., Project Manager
Jordan Pearson, P.E., Project Engineer

17. Firm Experience:

Firm name	Forte and Tablada, Inc.		Discipline(s)*		Survey, Road
Project name	Walter O. Bigby Carriageway Highway 80 Improvements (Traffic Street to Old Shed Road) -			Firm responsibility (prime or sub?)	Prime
Project number	F&T 10403	Owner's name	City of Bossier City		
Project location	Bossier Parish, LA		Owner's Project Manager	Mark Hudson, P.E.	
Owner's address, phone, email	620 Benton Road, Bossier City, LA, 318-741-8501, hudsonm@bossiercity.org				
Services commenced by this firm (mm/yy)	05/10	Total consultant contract cost ($1,000's)		$ 318.4	
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)		$ 318.4	

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

Forte and Tablada, Inc., was selected by the City of Bossier City to complete construction documents for this urban street improvement project. F&T performed land surveying services, a drainage study, civil engineering design, and the preparation of ROW maps for a 3/4 mile segment of the Bossier City Parkway. The overall Parkway project connects portions of south Bossier to portions of north Bossier and will provide traffic relief to the internal arterial roads in Bossier City. The segment improvements include the widening of a 4-lane roadway to a 5-lane roadway, right turn lanes at designated intersections, dual left turn lanes at the intersection of Traffic Street, a roundabout, improved access to Louisiana Boardwalk (a high-traffic retail development), drainage improvements, traffic signalization, sidewalks, and decorative street lighting.

Intersection of US Hwy 80/E. Texas St. at Traffic St.

The Forte and Tablada segment of the parkway lies mostly along a portion of U.S. Highway 80, as such, Forte and Tablada worked closely with the district office of the LA DOTD regarding design standards and permitting requirements. The design called for approximately half of the segment alignment to be widened while utilizing the existing concrete pavement structure; the remaining portion is a complete reconstruction. This Parkway segment was constructed in two phases.

Project Team:
Jordan Pearson, P.E., Project Manager
Desmond Sprawls, P.E., P.L.S., Project Engineer

17. Firm Experience:

Firm name	Ardaman & Associates, Inc.		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, Jarmon King

17. Firm Experience:

Firm name	Ardaman & Associates, Inc.		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, Jarmon King

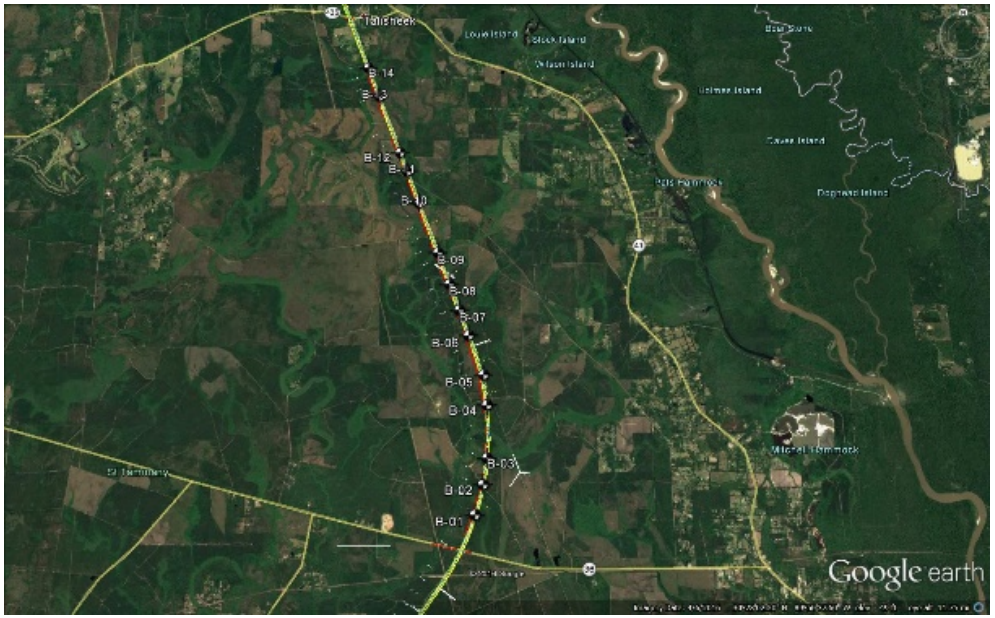
17. Firm Experience:

Firm name	Ardaman & Associates, Inc.		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

18. Approach and Methodology:

State Project No. H.015469 (Shreveport Pavement Program Panel Replacement) will rehabilitate roads throughout the City of Shreveport (see Figure 1) by replacing deteriorated Portland cement concrete pavement (PCCP) panels and installing curb ramps that comply with the Americans with Disabilities Act (ADA). The project may also repair concrete curbs, medians, and sidewalks and adjust existing catch basins and manholes. These infrastructure improvements will have a positive impact on the community by improving pedestrian and motorist safety and access to the adjacent residential, commercial, and industrial areas.

Horizon Engineering, LLC's (Horizon) personnel have recently provided CE&I services for multiple DOTD LPA PCCP panel replacement projects and are familiar with their associated challenges. We understand the importance of preparing Plans that are clear, concise, correct, complete, consistent, and constructable to facilitate efficient construction that minimizes disruptions to the public. We will identify and address potential constructability issues during the design phase to reduce the potential for costly change orders during construction and ensure that the project remains within budget. Horizon has identified the following challenges that will need to be addressed during design to deliver a successful project.

1. BUDGET

The Plans must include accurate estimated quantities and work locations to facilitate competitive, accurate bids by contractors and avoid cost overruns. We will obtain existing PCCP cores where as-builts for the original road construction are unavailable or unreliable to provide better estimates of the actual pavement thickness in the Plans. Some portions of David Raines Rd. and most of W 84th St. and W Canal Blvd. within the project limits are significantly deteriorated and likely need to be fully reconstructed. For these locations and the PCCP panel replacement locations, Horizon will prepare accurate estimated quantities and opinions of probable construction cost to help the City of Shreveport and DOTD determine if adjustments to the construction scope of work prior to bidding are necessary to accommodate the budget.

FIGURE 1: PROJECT MAP

2. SCHEDULE

This project is being advertised for the fourth time with a reduced estimated duration. The City of Shreveport expects the project to quickly proceed to construction. Horizon has the available capacity to beat the anticipated duration of 100 days, even when accounting for City of Shreveport and DOTD reviews (see Figure 2).

3. PROPERTY ACCESS AND TRAFFIC

The project will affect many residential and commercial properties, including adjacent neighborhoods, adjacent apartments, CMC Commercial Metals, Weatherford, Kloeckner Metals, Airport Park and Recreation Center, Airport Maintenance Facility, Center for Molecular Imaging and Therapy, Borden Dairy, Encompass Health Rehabilitation Hospital, FleetPride Service Center, M&M Trucking & Contracting, South Shreveport Landfill, restaurants near I-20 (e.g., Popeyes and Dominos), West Shreveport Branch Shreve Memorial Library, Bill Cockrell Metro Park/Community Center/Recreation Center,

Fresenius Medical Care West Shreveport Dialysis, and Brookshire's. As such, a detailed and well-designed Sequence of Construction and Traffic Control Plan (TCP) (possibly including night work and flaggers), will be required to minimize disruptions to the public, especially in the vicinity of signalized intersections and major driveways. Horizon has designed TCPs as both the design engineer and the contractor's engineer; therefore, we know what information needs to be included on the TCP for bidders to be able to minimize contingencies and refine their bid prices for temporary traffic control. Additionally, we will evaluate the potential use of high early strength concrete to minimize the duration of lane/road closures.

4. CONDITION OF EXISTING BASE

The quality of a PCCP road's base has a major impact on its durability, longevity, and rideability. Cracking and other similar localized failures typically occur due to underlying base issues, such as poor compaction and inadequate drainage. Horizon will include requirements in the Plans for inspecting the condition of the existing base after PCCP panel removal but prior to replacement to ensure that additional base compaction and/or installation is performed if necessary.

5. SIGNALIZED INTERSECTIONS AND ITS INFRASTRUCTURE

Many signalized intersections are located within or adjacent to the project limits, including at Mansfield Rd., US 171/Hearne Ave., W Canal Blvd., Jewella Ave., Hollywood Ave., Wilkinson St., W Dalzell St., US 79/Texas Ave., I-20 exit, Youree Dr., Linwood Ave., Kingston Rd., I-20, US 79/Greenwood Rd., Jefferson Paige Rd., and W 70th St. Loop detectors are currently located at the Millicent Wy./Youree Dr. and Pines Rd./Greenwood Rd. intersections and will need to be replaced if associated PCCP panels are replaced. Horizon will replace the loop detectors in kind or design alternative methods (e.g., cameras) if requested, as well as consider the proximity of PCCP panels to intersections when developing the Sequence of Construction and TCP.

6. CURB RAMPS

Curb ramps often need to be adjusted during construction to ensure ADA compliance. Horizon will ensure that each curb ramp location (including adjacent sidewalks) is sufficiently surveyed and use this information to provide accurate details of the sidewalk modifications necessary to obtain required ramp slopes.

DESIGN SCOPE OF WORK

Horizon fully understands the scope of work and will complete all design and construction stage 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 PRR Minimum Design Guidelines; DOTD Guidance for Preservation / Rehabilitation / Replacement (PRR) Projects; DOTD Guidance for Safety Improvements for PRR Projects; 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; 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:

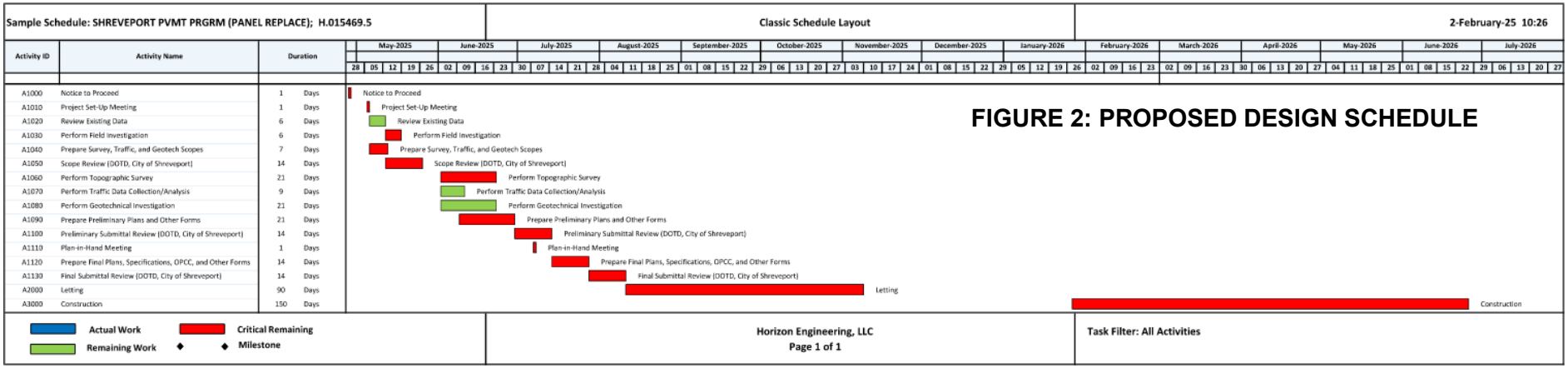


FIGURE 2: PROPOSED DESIGN SCHEDULE

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 survey, geotechnical investigation, traffic data collection/analysis, and design requirements.
- **Existing Data Review:** Review existing data, such as as-builts for the original road construction and subsequent improvements/repairs, improvement studies, soil borings, pavement cores, traffic studies, utility information, and other related information, if available, to identify the existing PCCP thickness, base material and thickness, and joint details.
- **Design Progress Meetings:** Meet with DOTD and City of Shreveport personnel monthly (or more frequently if desired) throughout design. Prepare agendas and meeting minutes.
- **Field Investigation:** Identify, photograph, classify, and log deteriorated PCCP panels and required curb ramp locations. We will create a user-friendly, interactive map in ArcGIS Online that allows DOTD and the City of Shreveport to view the locations of all deteriorated PCCP panels and required curb ramps on an aerial and, after clicking on a location, view its condition rating, photos, measurements, coordinates, and other related information. The map will also allow the deteriorated PCCP panels to be sorted according to their condition rating, which will facilitate removal of less critical repairs from the scope of work if necessary to remain within the budget.
- **Survey, Geotechnical, and Traffic Scope:** Prepare the topographic survey, geotechnical investigation, and traffic data collection/analysis scope of work and submit to DOTD and the City of Shreveport for review.
- **Topographic Survey:** Establish baseline along each road and temporary benchmarks for horizontal and vertical control. Obtain points at each corner of deteriorated PCCP panels to identify panel coordinates and facilitate accurate estimation of quantities. Obtain additional points as necessary to facilitate scaling and alignment of aerials. Obtain additional points at intersections to facilitate curb ramp design. All surveying will be performed in accordance with the DOTD Location and Survey Manual, including Addendum A.
- **Geotechnical Investigation:** If adequate existing data is not available to determine the existing PCCP pavement thickness, or base rehabilitation is deemed necessary, obtain pavement cores and shallow borings to a minimum of 4 feet below the pavement surface or 2 feet below the bottom of the base (whichever is deeper) along each road. Classify soil in accordance with the AASHTO Soil Classification System.
- **Traffic Data Collection/Analysis:** If adequate traffic data is not available, or DOTD or City of Shreveport requests additional data, obtain 7 day/24 hour (or 48 hour if permitted) volume counts with classifications in accordance with DOTD Traffic Engineering Process and Report (TEPR) requirements. Volume counts and classifications will be obtained using PicoCount 2500 counters. For multi-lane roads, 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 if DOTD or the City of Shreveport would like the PCCP thickness to be greater than the existing thickness (e.g., at David Raines Rd., W 84th St., and/or W Canal Blvd. where the entire road section may need to be replaced).

DESIGN AND PREPARATION OF PLANS, SPECIFICATIONS, AND OPCC

- **Plan Preparation:** Prepare Plans on 8.5"x11" 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**
  - **General Notes**, including a general description of the scope of work; One Call and utility contact information; clarifications regarding the applicability of DOTD and City of Shreveport standard plans; base inspection requirements after PCCP panel removal to either verify that it is in acceptable condition or determine whether additional material needs to be installed and compacted prior to concrete placement; and required approvals for PCCP panels to be replaced and striping layouts prior to the start of the associated work.
  - **Project Map**, including an overview of each road's work limits, baselines, and repair locations.
  - **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**, including designation (e.g., panel number), coordinates, description (e.g., travel direction/lanes, length, and width), and applicable pay item (e.g., different pay items will be used for different sized repairs) for both removal and replacement of PCCP panels, curb ramps, driveways, concrete curb, incidental concrete pavement, sidewalks, saw cutting, adjustment of drainage structures (or grate replacement), and striping as applicable. The estimated quantities will be noted as being for informational purposes only and that deterioration could have occurred between plan preparation and the start of construction.
- **Plan Sheets**, including aerial of road, baselines, repair designations/locations, and notes referencing the general notes, applicable standard plans, and summary sheets.
- **Reference Points**, including baselines and TBM coordinates and type (iron rod, cross cut, etc.)
- **Detail Sheets**, including curb ramps, loop detector replacement, 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.
- **Pavement Marking Layout**, including striping near intersections and other complex areas where standard plans do not apply.
- **Sequence of Construction**, including measures to minimize disruptions to businesses and traffic, such as staggering PCCP panel replacement and limiting the maximum number of driveways or medians that can be closed at one time. The use of high-early strength concrete 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 freshly placed 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.
- **Subgrade Soil Survey (if performed)**

- **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 (for PCCP panel replacement); PED-01 (for curb ramps); TTC-00(A) – (D), 02-04, 06-07, 09-10, and 15-18 (for TTC); and TSD-11 (for loop detectors).
- **City of Shreveport Standard Plans**: Incorporate applicable City of Shreveport PCCP standard plans, including STR-01, STR-04-13, and the City of Shreveport Pavement Cut and Repair Standards. Incorporate ST-01-05 and 18-20 (drainage standard plans) if necessary.
- **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)**
  - **Baseline Safety Improvements Checklist**
  - **Preliminary Submittal and PRR Report** (plan-in-hand meeting to follow)
  - **Final Submittal and PRR Report**, including digitally sealed and signed final Plans with written certification.
  - **Stormwater Pollution Prevention Plan**
  - **Constructability Review Form**
  - **Estimated Contract Time Worksheet**
  - **QA/QC Checklist**
  - **Additional Submittals (if requested)**

CONSTRUCTION PHASE

- **Preconstruction Conference**: Attend preconstruction conference with DOTD, the City of Shreveport, and Contractor. Walk the project limits with Contractor to confirm PCCP panels to be replaced and identify any additional panels that need to be replaced due to deterioration since the Plans and Specifications were prepared.
- **Requests for Information (RFIs)**: Review RFIs within 48 hours of receipt.
- **Construction On-Call Support**: Visit the project site and assist the City of Shreveport and Contractor with questions and clarifications, including Plan and Specification modifications, as necessary during construction. Our Team has offices in the City of Shreveport to quickly respond to the City of Shreveport.

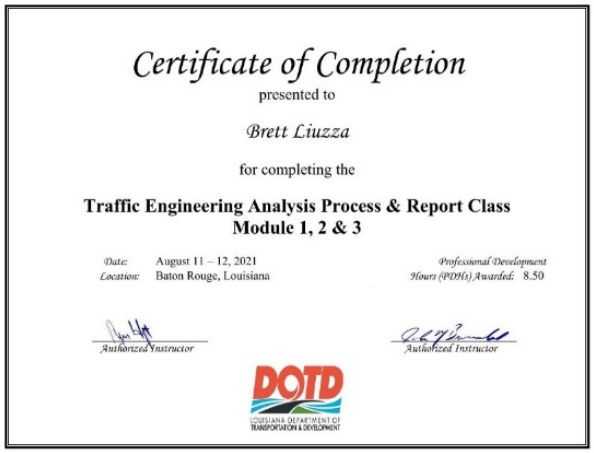
19. Workload:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	N/A	N/A	N/A	N/A
Forte and Tablada, Inc.	Bridge	4400021594/H.009859.5	Task Order No. 1 - Load Rate Selected Statewide Bridges	$7,156
	Bridge/Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	$51,603
	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	$5,123
	Bridge	4400021594/H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	$562
	Bridge	4400021594/H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	$123
	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	$1,674,233
	Bridge	4400021594/H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	$70,929
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	$163,644
	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	$14,399
	Bridge/Survey	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	$7,428
	Bridge/Survey	4400013387/H.013137.5	OSBR Ouachita	$23,249
	Bridge/Survey	4400019864/H.014318.5	OSBR Gurney Road Bridges	$4,708
	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	$3,487
	Road/Bridge	4400024641/H.005734.5	LA 447 Corridor	$11,576
	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	$10,577
	CE&I/OV	4400023837/H.009290.6	LSU Laboratory School SRTS Project	$6,933
	Survey	4400021532/H.013941.5	LA 724: Roundabout @ Landry Road	$24,916
	Survey	4400021532/H.005734.5	LA 447 Corridor Study	$156,849
	Survey	4400021532/H.014416.5	LA 3125 @ LA 3274 Roundabout	$1,032
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge	$70,240
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge - SA 3	$41,123
	Survey	4400004128/H.004273.5	I-49 Connector	$31,089
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	$491,353
	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	$93,750
	Geotech	44-1960; H.013897	I-10 / I-12 College Drive Flyover Ramp	$81,485

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Ardaman & Associates, Inc. (Continued)	Geotech	44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	$301,295
	Geotech	H.04435	I-12 to Bush Construction Phase	$47,956
	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	$25,760
	Geotech	44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	$179
	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	$49,822
	Geotech	44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	$2,081,468
	Geotech	44-25025; H.015337, H.015452-63, H.015489-92	Rural Bridge Replacement	$264,144
	Geotech	44-24652; H.012842.5	LA 124 Ext. Near Larto Lake	$3,371
	Geotech	44-24652; H.014265.5	N River Road Irving Branch	$1,985
	Geotech	44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	$7,331
	Geotech	44-24652, H.012607.5	Henderson Bayou Bridge LA 933	$12,252
	Geotech	44-24652, H.015568.5	Pelican Point Roundabout	$8,058

20. Certifications/Licenses:

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 (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

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

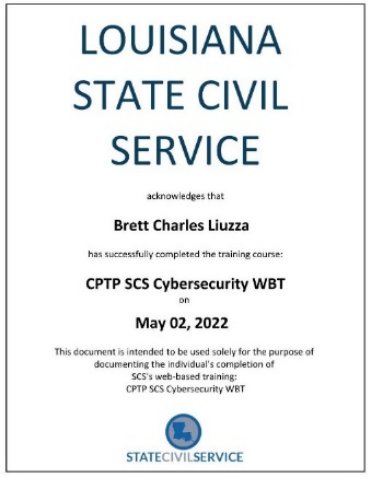
BRETT LIUZZA
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 4/6/2022
Exp. Date 4/6/2026
State Issued LA
V0000047046

Debbie Purcella
Instructor Name

Instructor Signature

Verify at Flagger.com



LOUISIANA STATE CIVIL SERVICE

acknowledges that

Brett Charles Liuzza

has successfully completed the training course:

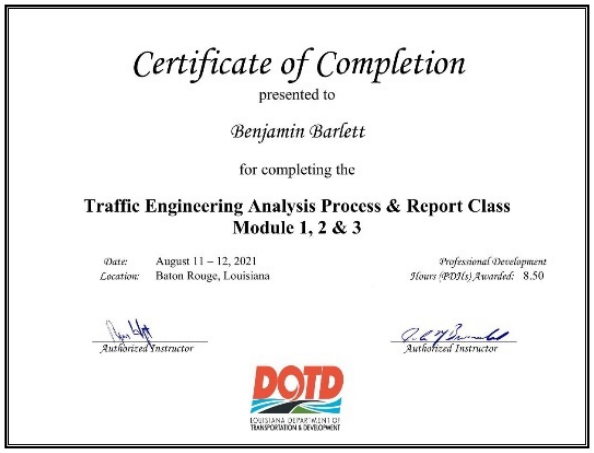
CPTP SCS Cybersecurity WBT
on
May 02, 2022

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. Certifications/Licenses:

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 4020 issued in Washington, DC, U.S.A.
3/29/2016

Kenneth W. Abbott
Chair

PTOE

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

2/18/2022 to 2/18/2026
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 American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

BEN BARTLETT
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

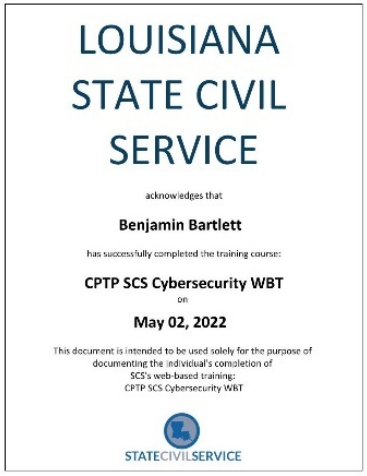
Issue Date 3/28/2022
Exp. Date 3/28/2026
State Issued LA

Debbie Purcella
Instructor Name

Debbie Purcella
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

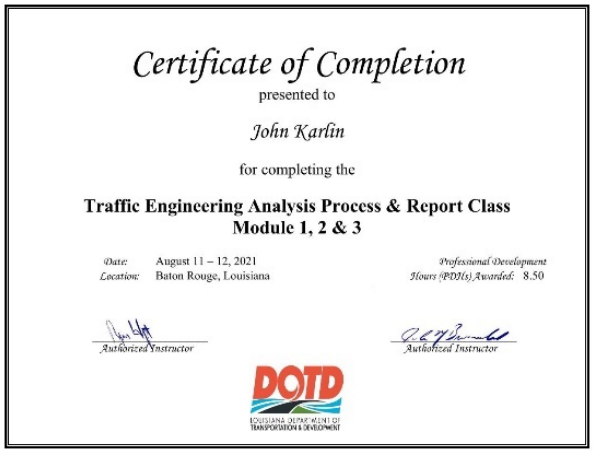
May 02, 2022

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 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

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>

Philip Koch, PLS

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State


Louisiana SECRETARY OF STATE NANCY LANDRY

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This service may be unavailable at times while we perform maintenance beginning at 6:00 AM CST on Sunday, February 2, 2025.
We expect the maintenance to conclude by 8:00 AM CST. This message will be removed when the service is fully restored.

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

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

Previous Names

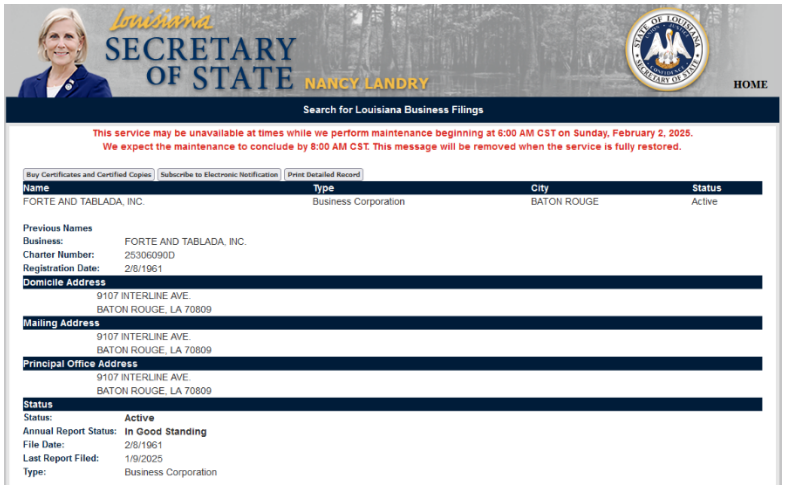
Business: HORIZON ENGINEERING, LLC
Charter Number: 45713383K
Registration Date: 12/14/2023

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: 1/9/2025
Type: Limited Liability Company

Horizon Engineering, LLC


Louisiana SECRETARY OF STATE NANCY LANDRY

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Search for Louisiana Business Filings

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We expect the maintenance to conclude by 8:00 AM CST. This message will be removed when the service is fully restored.

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Name	Type	City	Status
FORTE AND TABLADA, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: FORTE AND TABLADA, INC.
Charter Number: 25306090D
Registration Date: 2/8/1961

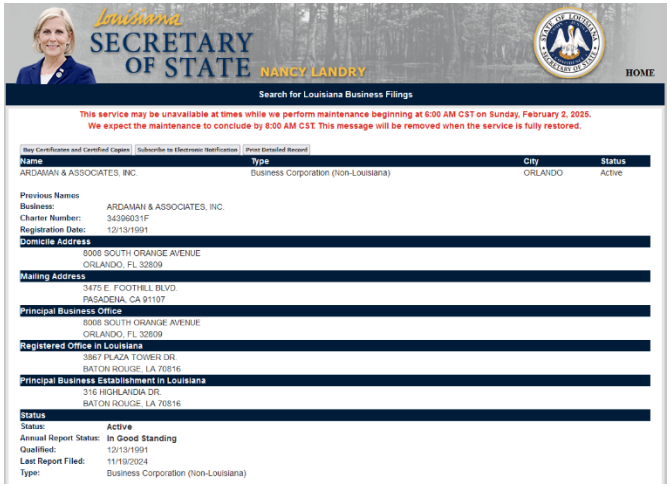
Domicile Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Mailing Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Principal Office Address
9107 INTERLINE AVE.
BATON ROUGE, LA 70809

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 2/8/1961
Last Report Filed: 1/9/2025
Type: Business Corporation

Forte and Tablada, Inc.


Louisiana SECRETARY OF STATE NANCY LANDRY

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Search for Louisiana Business Filings

This service may be unavailable at times while we perform maintenance beginning at 6:00 AM CST on Sunday, February 2, 2025.
We expect the maintenance to conclude by 8:00 AM CST. This message will be removed when the service is fully restored.

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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: 11/19/2024
Type: Business Corporation (Non-Louisiana)

Ardaman & Associates, 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**
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., P.E. jcoco@forteandtablada.com	(225) 927-9321
Ardaman & Associates, Inc.	316 Highlandia Dr Baton Rouge, LA 70816	Robert Jewell, PE RJewell@ardaman.com	(225) 666-4598

23. Location:

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