CONTRACT NO. 4400030716
IDIQ CONTRACT FOR
PAVEMENT PRESERVATION

STATEWIDE WITH MAJORITY OF WORK IN DISTRICT 02

MAY 28, 2025



SUBMITTED BY:

HORIZON ENGINEERING, LLC

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	IDIQ CONTRACT FOR PAVEMENT PRESERVATION STATEWIDE WITH MAJORITY OF WORK IN DISTRICT 02
2. Contract Number(s) as shown in the advertisement	4400030716
3. State Project Number(s), if shown in the advertisement	N/A
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: May 28, 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): Civil Design & Construction, Inc.	Firm(s)' %: 10%

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

Discipline(s)	% of Overall Contract	Horizon Engineering, LLC **(Prime)**	Delta Design Professionals LLC	Forte and Tablada, Inc.	Civil Design & Construction, Inc. **(DBE)**	Eustis Engineering L.L.C.	Each Discipline must total to 100%
Road	60%	60%	30%	10%	0%	0%	**100%**
Survey	20%	0%	0%	50%	50%	0%	**100%**
Traffic	10%	100%	0%	0%	0%	0%	**100%**
Geotech	5%	0%	0%	0%	0%	100%	**100%**
ITS	5%	100%	0%	0%	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%**	**51%**	**18%**	**16%**	**10%**	**5%**	**100%**

13. Firm Size:

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Horizon Engineering, LLC	Principal	1	3
	Supervisor - Eng	0	3
	Engineer	2	3
	CADD Technician	1	1
	Inspector - Lead	1*	1
	Inspector - Certified	1*	1
	Inspector	2*	4
Delta Design Professionals LLC	Principal	1	2
	Engineer	1	2
Forte and Tablada, Inc.	Principal	1	2
	Surveyor	4	6
	Supervisor - Eng	2	6
	Supervisor - Other	1	1
	Party Chief	0	6
	Senior Technician	1	8
	Other (Survey Technician)	0	5
Civil Design & Construction, Inc.	Surveyor	1	2
	Supervisor – Other (SUE)	1	1
	Party Chief	3	4

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Civil Design & Construction, Inc. (Continued)	Instrument Man	2	2
	Rodman	2	2
	CADD Operator	1	1
	Senior Technician	3	5
Eustis Engineering L.L.C.	Principal	2	3
	Supervisor - Eng	2	8
	Supervisor - Other	2	8
	Engineer	1	4
	Engineer Intern	1	5
	Engineering-Aide	2	8
	CADD Technician	1	1
	Geologist	1	2
	Driller	1	7
	Technician	6**	10
	Inspector - Certified	1**	1
	Inspector	6**	15
	Clerical	3	13

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

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

DOTD — LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

HORIZON ENGINEERING

QA/QC
Janice Williams, PE (F&T)

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

Project Manager
Brett Liuzza, PE•† (Horizon)

Topographic Surveying
Bradley Holleman, PLS, PE• (F&T)
Ross Wilson, PLS• (F&T)
Jerry Middleton, PLS• (F&T)
Rachel Waldroup, PLS• (F&T)
Chris Ballard, PLS• (CD&C)
Madison Mills, PLS• (CD&C)
Chancey Cothren, LSI• (CD&C)

LiDAR/Aerial Photogrammetry
Brent Campbell (F&T)

Subsurface Utility Engineering
Clarence Goodspeed (CD&C)
Tracey Smith (CD&C)

Traffic Engineering
Ben Bartlett, PE, PTOE•†* (Horizon)
John Karlin, SE, PE•†* (Horizon)

Geotechnical Investigation and Design
Gwendolyn Sanders, PE (Eustis)
Matthew Morales, PE (Eustis)
Travis Richards, PE (Eustis)
Chad Roe, PE (Eustis)

Road Design
Brett Liuzza, PE•† (Horizon)
Ben Bartlett, PE, PTOE•†* (Horizon)
John Karlin, SE, PE•†* (Horizon)
James “Ken” Free, PE (DDP)
Ashley Wright, PE (DDP)

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

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	3/31/2027 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 3/29/2028
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 3/29/2028
4	Bradley S. Holleman, PLS, PE	Forte and Tablada, Inc.	PLS #5082	LA	9/30/2026
	Ross Wilson, PLS	Forte and Tablada, Inc.	PLS #5148	LA	3/31/2026
	Chris Ballard, PLS	Civil Design & Construction, Inc.	PLS #5033	LA	9/30/2026

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 local public agencies.		

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 and DOTD LPA projects involving PCCP panel replacement, asphalt milling, patching and overlay, 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.
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), PCCP panel replacement, and asphalt milling, patching, and overlay.
• 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.</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 and ICE** **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:** ≈80,000. **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. Performed intersection control evaluation (ICE).
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, Road Design Engineer, and Traffic Engineer **(Satisfies MPRs 1, 2, and 3)**
Responsibilities: Contract administration, road design, traffic data collection and analysis, and coordination with DOTD and local public agencies.</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:** ≈$18,000,000 completed, ≈$41,000,000 (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 **Delta Design Professionals LLC**				
Name	James "Ken" Free, PE		Years of relevant experience with this employer	4
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization			Bachelor of Science / 1988 / Civil Engineering	
Active registration number / state / expiration date			25185 / LA / 09/30/2025	
Year registered	1993	Discipline	Civil	
Contract role(s) / brief description of responsibilities			**Role:** Road Design Engineer **Responsibilities:** Project management, field investigation, road design, and coordination with DOTD and local public agencies.	

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).
05/1988 – Present	• Over 33 years of contract administration, construction engineering, and project delivery experience with LADOTD, District 58. Served as Project Engineer, Construction Engineer, Area Engineer, Operations Engineer, and District Administrator. • District 58 Project Engineer with LADOTD - In excess of 157 preservation and new construction projects, approx. $173,000,000 - contract administration of pavement and bridge preservations, new bridge and roadway construction projects, asphalt surface treatment projects, pavement preservation research projects and facility renovation. • District 58 Construction Engineer, Area Engineer and District Administrator – Responsible for selection, scheduling and budgeting pavement and bridge preservation projects. Selection based on district needs and PPS data. While serving in the roles of DOTD Project Engineer, Construction Engineer and Area Engineer was responsible for project scoping for preservation project recommendations which included treatment recommendations and estimated construction budget. Established a working relationship with local governmental leaders to address transportation needs and secure funding for District 58 transportation assets. • Served on numerous LADOTD Research Committees. • Currently employed by ECM as Quality Manager on the Jimmie Davis Bridge - LADOTD Design-Build Project – Shreveport / Bossier LA. • Certified ATSSA Flagger, Traffic Control Technician (TCT) and Traffic Control Supervisor.
03/18 – 01/22	**Louisiana DOTD District Engineer Administrator** Served as District Engineer Administrator for DOTD District 58 leading over 200 multidisciplinary staff ensuring quality delivery. Directed all of Chase District operations including Construction, Maintenance, Engineering, Traffic Services, Business Office, Ferry Operations, Roads, Bridges and other LA DOTD Facilities throughout the districts' six parishes. Routinely rode every road in the district to identify needs and program projects based on funding levels and worked closely with the District Design Team in project selection. Scheduled each Friday of the work week to inspect roadway conditions and performance of construction and maintenance crews related to quality of work and safety for the motoring public.

12/10 – 03/18	**Louisiana DOTD District 58 Operations Section** Served as Operations Engineer managing the District's On-System and Off-System Bridge Inspection Program, Bridge Repairs, Districtwide Asphalt Program, Vegetation Maintenance, Roadway Sign Maintenance, Roadway Striping, Ferry Operations, Facility Maintenance, Equipment Acquisitions, District Budget Office, Traffic Engineering Section, Access Connection Section, and Utility Permit Section. Was responsible for all Districtwide pavement preservation, bridge preservation and emergency repairs performed by Districtwide forces.
09/88 – 12/10	**Louisiana DOTD District 58 Construction Section** Served as Project Engineer, Construction Engineer, and Area Engineer on multiple new roadway and bridge construction projects along with pavement preservation, bridge rehabilitation projects and DOTD coordinator for multiple DOTD / Municipality Cooperative Endeavor Agreements.
2023 – Present	**SP No. H.001799: Jimmie Davis Bridge (LA 511) – Design Build: LADOTD, Bossier Parish LA:** **Construction Cost: $361.7 M / Owner: LADOTD** Currently serves as the Jimmie Davis Bridge Quality Control Manager for ECM. Responsible for overseeing the overall quality program and the preparation, implementation, and update of the quality plan for the Design-Builder including management, design and construction. Responsible for Resolution of Non-Conformance Reports (NCR). Works closely with the Construction Quality Control Manager to resolve construction related quality control issues for drill shafts, piling, pavements, soils, etc.
2008	**SP No. 026-06-0058: LA 15, Gilbert Concrete Section: LADOTD, Franklin Parish, LA:** **Construction Cost: $264K / Owner: LADOTD** Served as DOTD Project Engineer for this Pavement Preservation PCCP joint and crack repair project in the Town of Gilbert. The project included PCCP patching, joint repairs, joint sealing, traffic control, etc. Was responsible for contract administration and to oversee LADOTD certified inspectors for sampling and testing to ensure compliance with the project's plans and specifications. Responsible for Public and Legislative Outreach throughout the project.
2007-2008	**SP No. 015-07-0058: US 165, Columbia – Riverton Park Road: LADOTD, Caldwell Parish, LA:** **Construction Cost: $1.28M; Owner: LADOTD** Served as DOTD Project Engineer for this Pavement Preservation project on US 165. The project included patching, milling, overlay, guardrail installation, pavement striping, traffic control, etc. Was responsible for contract administration and to oversee LADOTD certified inspectors for sampling and testing to ensure compliance with the project's plans and specifications. Responsible for Public and Legislative Outreach throughout the project
2006-2007	**SP No. 041-01-0036: LA 124, Jonesville - Harrisonburg: LADOTD, Catahoula Parish, LA:** **Construction Cost: $1.49M / Owner: LADOTD** Served as DOTD Project Engineer for this 5.281-mile Pavement Preservation project from 4.5 miles North of Jonesville to Harrisonburg. The project included patching, milling, overlay, guardrails installation, pavement striping, traffic control, etc. Was responsible for contract administration and to oversee LADOTD certified inspectors for sampling and testing to ensure compliance with the project's plans and specifications. Responsible for Public and Legislative Outreach throughout the project.
2002	**SP No. 815-05-0009: LA 907, LA 129 - LA 3203: LADOTD, Concordia and Franklin Parish, LA:** **Construction Cost: $171K / Owner: LADOTD** Served as DOTD Project Engineer for this Pavement Preservation Asphalt Surface Treatment project. The 14.62-mile project included patching, asphalt surface treatment, pavement striping and traffic control. Was responsible for contract administration and to oversee LADOTD certified inspectors for sampling and testing to ensure compliance with the project's plans and specifications. Responsible for Public and Legislative Outreach throughout the project.

16. Staff Experience:

Firm employed by **Delta Design Professionals**				
Name	Ashley N. Wright, PE		Years of relevant experience with this employer	3
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			Bachelor of Science / 2018 / Civil Engineering	
Active registration number / state / expiration date			47077 / LA / 03/31/2027	
Year registered	2022	Discipline	Civil	
Contract role(s) / brief description of responsibilities			**Role:** Road Design Engineer **Responsibilities:** Field investigation and road design.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/2018 – Present	• Over 4 years of traffic management and materials testing with LADOTD, District 58. Served as engineer intern assistant to Traffic Engineer (PTOE) and served as Laboratory Engineer. • 3 years of design with Delta Design Professionals.
2021	**SP No. H.009585: Route LA 128: LA 573 – US 65, Tensas Parish, LA:** **Construction Cost: $1.0M – 2.5M** **Owner: LADOTD** Served as DOTD District 58 Lab Engineer for this construction project to mill and overlay an undivided roadway from LA 573 – US 65. Work consisted of milling, pavement patching, pavement widening, asphalt concrete overlay and other related work. Responsible for overseeing the District Laboratory Technicians and coordinating with the Project Engineer, Contractor and Inspectors on testing planning, sample collection, reporting, and quality assurance.
2021-2022	**SP No. H.013221: Route US 425: Gilbert – Winnsboro, Franklin Parish, LA:** **Construction Cost: $2.5M – 5.0M** **Owner: LADOTD** Served as DOTD District 58 Lab Engineer for this construction project to mill and overlay a divided roadway from Gilbert to Winnsboro. Work consisted of milling, asphalt concrete overlay, and other related work. This project was selected as a Density by Non-Destructive Technologies Pilot Project. Responsible for overseeing the District Laboratory Technicians and coordinating with the Project Engineer, Contractor and Inspectors on test planning, sample collection, reporting, and quality assurance.
2022	**SP No. H.014119: Route LA 868: LA 15 – LA 867, Franklin Parish, LA:** **Construction Cost: $1.5M** **Owner: LADOTD** Served as DOTD District 58 Lab Engineer for this construction project to stabilize base and overlay an undivided roadway from LA 15 to LA 867. Work consisted of milling, in-place cement treated subgrade, in-place cement treated base course, asphalt concrete overlay, and other related work. Responsible for overseeing the District Laboratory Technicians and coordinating with the Project Engineer, Contractor and Inspectors on test planning, sample collection, reporting, and quality assurance.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Janice P. Williams, P.E.**		Years of relevant experience with this employer	2
Title	QA/QC Engineer		Years of relevant experience with other employer(s)	32.5
Degree(s) / Years / Specialization		B.S. / 1985 / Civil Engineering		
Active registration number / state / expiration date		23866 / LA / 03/31/2027		
Year registered	1990	Discipline	Civil Engineering/Environmental Engineering	
Contract role(s) / brief description of responsibilities		**Quality Assurance and Quality Control**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/23- Present	Serves as **QA/QC Engineer** QA/QC Engineer providing thorough and timely reviews of construction plans for conformance with quality standards and applicable guidelines. Provides guidance for best practices in plan development to ensure cost-effective, appropriate solutions are employed for engineering challenges. Develops and implements training to improve procedures and expand staff skill set. Provides expertise in development of highway construction plans with a focus on constructability. Advises senior staff on complex transportation issues regarding DOTD and other agencies.
03/23–Ongoing	**H.005734 LA 447 Widening: I-12 to Joe May Rd., Livingston Parish, LA** - QA/QC reviewer for the construction plans of this project to widen LA 447 from 2-lanes to 3-lanes from Joe May Rd to Buddy Ellis Rd and from 2-lanes to 4-lanes from Buddy Ellis Rd to I-12. The roadway design includes roundabouts at Buddy Ellis and O'Donovan Blvd and the realignment of two local roads to provide additional distance between their intersections and the I-12 EB exit roundabout.
04/23 – Ongoing	**H.015102 Centerville Street Improvements, Livingston Parish, LA** - QA/QC reviewer for the construction plans for the ±0.94-mile Corridor Enhancement / Pedestrian Improvement Project in Denham Springs, LA, including the design of pedestrian and bicycle facilities along both sides of the Centerville St. from River Rd. to N. Range Ave. and sidewalk improvements from N. Hummel Ave. to DS Junior High School, including crosswalk upgrades at the intersection of Centerville and Range / Hummel.
03/24-Ongoing	**H.011826 Linder Road Improvements, Livingston Parish, LA** - QA/QC reviewer for the construction plans for this rehabilitation project consisting of the full-depth rehabilitation and widening of ~0.4 miles of a 2-lane roadway and the milling and overlay and widening of ~1.7 miles of the 2-lane roadway, as well as drainage improvements.
02/24-Ongoing	**H.015104 Greenwell Springs Rd at Morgan Road Roundabout, East Baton Rouge, LA** - QA/QC reviewer for the construction plans for this intersection improvement project to construct a roundabout.
03/23-01/24	**H.015142 Planchet Rd, East Baton Rouge, LA** - QA/QC reviewer for the construction plans for this pavement rehabilitation project consisting of the full-depth rehabilitation of ~0.33 miles of a 2-lane roadway, as well as drainage improvements.
07/24-Ongoing	**H.002825 Nicholson Drive (LA 30) Segment 1 (Brightside Lane/West Lee to Gourrier/Burbank), East Baton Rouge Parish, LA** - QA/QC reviewer for the construction plans for this project to widen Nicholson Drive (La Hwy 30) beginning approximately 1100 feet north of the Brightside Lane/West Lee Dr. intersection to approximately 300 feet south of Burbank Dr./Gourrier Avenue intersection. The project will consist of a 4-lane divided roadway with a raised grass median and turn lanes. The project also includes subsurface drainage, curb and gutter and bike and pedestrian paths.

Janice P. Williams, P.E. (Continued)	
09/23-Ongoing	**Old Hammond Highway- Segment 1, East Baton Rouge Parish, LA** - QA/QC reviewer for the construction plans to construct a four-lane boulevard with a raised median and turn lanes and includes a multi-lane roundabout at S. Flannery Rd. The project also included traffic signalization, utility relocations, testing, lighting, landscaping, rights-of-way, and environmental mitigation.
04/14 – 01/18	**LA DOTD Chief Engineer, Baton Rouge, LA** - Engineering leader of DOTD, provided guidance to a staff of more than 500 engineers, engineering technicians and support staff. Responsible for establishing the engineering standards, policies, and procedures that guide delivery of projects. Accountable for the on-time and on-budget delivery of the yearly DOTD Highway Priority Program. Focused on delivery of quality plans and invested much of her time in reviewing plans prior to finalization to ensure plans were clear, concise, and correct prior to approving them as final. Vast experience with all types of projects from Mississippi River crossings to off system bridges uniquely qualifies her to perform QA/QC activities.
06/10 – 03/14	**LA DOTD Chief Project Development Division, Baton Rouge, LA** - Responsible for directing activities of 275 staff who delivered annual construction program for DOTD with total construction valued over $600 million. Work units within this division included: Real Estate, Location and Survey, Road Design, Bridge Design, Pavement and Geotechnical Design and Project Management Sections. Administered sections which delivered complex designs for various type transportation infrastructure facilities; other design support functions; project management services and right of way acquisition. Project Development Chief responsible for successfully directing redesign of the I-49N and I-220 Interchange (H.003495 and H.011111) under a tight deadline to meet funding constraints. Redesign was required after significant constructability issues were identified in regard to the adjacent landfill and timely delivery was paramount to capture the funding.
08/06-06/10	**LA DOTD Chief Systems Engineering Division, Baton Rouge, LA** - Administered the Systems Engineering Division of the state's multi modal transportation system in an efficient, cost-effective manner. Responsible for activities and production for System Preservation Section; Pavement and Geotechnical Design Section; Systems Engineering Section (Right of Way Permits, Railroad Safety and Rest Area Program); Utility Relocation Section and Truck Permits & Weight Enforcement Police. Exercised highest level administrative supervision over statewide Systems Engineering activities and established policy for the Systems Engineering Division Programs to ensure that uniform procedures and standards were developed and followed.
10/87-08/06	**LA DOTD, Program and Project Manager for Pavement Preservation and Interstate Rehabilitation Programs, Baton Rouge, LA -** Program and Project Manager for Pavement Preservation and Interstate rehabilitation Programs and other various projects. Responsible for delivering over 1200 projects totaling over $2.3 billion in construction costs. Worked as a project manager or subject matter expert on every kind of project in the DOTD program including a Mississippi River crossing, major and minor bridge replacements, interstate interchanges, 4 lane widening, intersection improvements, urban reconstruction, rural 2 lane overlays and many others. Experience in managing these projects allowed her to develop strong skills in identifying constructability issues and finding workable solutions. Developed expertise in plan review and quality assurance while managing a large volume and variety of projects. Also responsible for development of design details and specifications for pavement preservation. Instrumental in developing LADOTD policies and standards in regard to construction traffic control such as the Temporary Traffic Control standard plans.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Bradley S. Holleman, P.L.S., P.E.**		Years of relevant experience with this employer	4
Title	Senior Vice President, Survey/AMM		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	BSCE / 2009 / Civil Engineering with Minor in Land Surveying			
Active registration number / state / expiration date	PLS 5082 / LA / 09/30/2026; PE 47165 / LA / 03/31/2027			
Year registered	2012	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities	Mr. Holleman will serve as **Principal-in-Charge** during this contract, and in that role, he will coordinate with the Project Manager to assure task orders are estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada's quality standard. Mr. Holleman has 14 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 9 years being the Supervising Professional and 3 years as Principal. He has managed over 130 task orders under 10 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. **Mr.Holleman fulfills MPR 4 of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five (5) years of experience in performing surveying.**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23 – Ongoing	**Contract 4400025029 - 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), East Baton Rouge Parish, LA** – **Principal-in-Charge** for **topographic surveying and** right-of-way mapping services for 13 bridge sites on 2 lane roadways.
12/21 – Ongoing	**IDIQ Contract No. 4400021974 for Professional Surveying Services – Statewide, LA** – **Surveyor-in-Charge** performing **Topographic Surveys** for LA DOTD. This contract showcases Mr. Holleman's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/21 – Ongoing	**Contract 4400019336 - 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, LA** – **Principal-in-Charge** for **topographic surveying and** right-of-way mapping services for 20 bridge sites on 2 lane rural roadways.
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**, Drainage Survey, and Right-of-Way Monument Mapping**. 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. 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.

Brad Holleman, P.L.S., P.E. - Continued	
01/23 – 01/24	**Contract 4400021974 - Task Order 2- H.014218 US190-Livingston Parish Line, East Baton Rouge Parish, LA – Principal-in- Charge** for this project providing **topographic survey, Mobile LiDAR, and drainage mapping**. This project is in a dense urban area and includes approximately 4 miles of a 4-lane highway. The purpose of the project is to complete a road overlay and drainage improvements.
01/21 – 04/23	**Contracts 4400010587 - Task Orders 1 and 16; 4400021974- Task Order 5- H.011684 - LA 327 Spur: Staring Lane Extension- East Baton Rouge Parish, LA - 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. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.
01/21 – 12/22	**Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974 - Task Orders 1, 3, and 4- H.003931 - Calcasieu River Bridge (HBI) – Calcasieu Parish, LA– 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-10 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.
01/21 – 03/22	**Contract 4400017598 - 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, LA – Principal-in-Charge** for **topographic surveying** and right-of-way mapping services for 22 bridge sites on 2 lane rural roadways.
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.
01/18 – 04/20	**H.004100- I-10: LA 415 to Essen Lane, East Baton Rouge Parish, LA - 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.
05/18 – 04/19	**H.012591- I-10: Paris Road Lake Pontchartrain, New Orleans, LA - 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.
06/17 – 06/22	**Retainer Contract No. 4400010587 for Professional Surveying Services – Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62, LA – Principal-in-Charge** performing **Topographic Surveys** for LA DOTD. This contract showcases Mr. Holleman's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/16 – 02/17	**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. The work consisted of completing a topographic survey, according to the LA DOTD Location and Survey Manual, including all utilities with depths and all drainage required along with finished floor elevations of all buildings that fall within the survey limits.
12/14 – 03/16	**H.011137 & H.011152 - I-12 (LA 21 to LA 59), St. Tammany Parish, 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.
04/12 – 09/12	**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.**

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Ross Wilson, P.L.S.**	Years of relevant experience with this employer	13.5	
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization		BS / 2010 / Geomatics		
Active registration number / state / expiration date		PLS 5148 / LA / 03/31/2026; Also Registered PLS in TX, MS, AR, FL, KY, TN, GA		
Year registered	2015	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities		Mr. Wilson will serve as **Project Manager** during this contract, and in that role, he will supervise all field and office work performed on task orders. He will also lead the effort on estimating task orders and producing project deliverables ahead of any project deadlines. Mr. Wilson will be responsible for all QA/QC efforts from beginning to end of each task order, including the final project deliverables. Mr. Wilson has 12 years of experience of managing field crews and office work for on-system LADOTD Topographic Surveys, with over 9 years being the Professional Surveyor in Charge on these projects. Mr. Wilson has managed 35 task orders under 4 separate Topographic IDIQ Contracts with LADOTD. **Mr. Wilson fulfills MPR 4of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five (5) years of experience in performing surveying.**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23 – Ongoing	**Contract 4400025029- 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), East Baton Rouge Parish, LA – Surveyor-in-Charge** for **topographic surveying** and right-of-way mapping services for 13 bridge sites on 2 lane roadways.
12/21 – Ongoing	**IDIQ Contract No. 4400021974 for Professional Surveying Services – Statewide, LA – Surveyor-in-Charge** performing **Topographic Surveys** for LA DOTD. This contract showcases Mr. Wilson’s familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/21 – Ongoing	**Contract 4400019336- 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, LA - Surveyor-in-Charge** for **topographic surveying** and right-of- way mapping services for 20 bridge sites on 2 lane rural roadways.
08/19 – Ongoing	**H.011670- I-10/Loyola Interchange Improvements, Kenner, LA - Surveyor-in-Charge** providing **Topographic Survey,** Right- of-Way Survey, **Drainage Survey,** and Right-of-Way Monument Mapping. 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.

Ross Wilson, P.L.S. - Continued	
08/15 – Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA** – LA DOTD – **Survey Manager/ Surveyor-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. **This project demonstrates Mr. Wilson's ability to fulfill the minimum personnel requirement of having over five (5) years of experience in conducting topographic surveys.**
05/21 – 12/22	**Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA – Surveyor-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-10 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.
06/17 – 06/22	**Retainer Contract No. 4400010587 for Professional Surveying Services – Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62, LA – Surveyor-in-Charge** performing **Topographic Surveys** for LA DOTD. This contract showcases Mr. Wilson's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/20 – 03/22	**Contract 4400017598 - 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, LA – Surveyor-in-Charge** for **topographic surveying** and right-of-way mapping services for 22 bridge sites on 2 lane rural roadways.
01/20 – 10/20	**Contract 4400010587- Task Orders 6, 7, and 8- H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415, West Baton Rouge & Iberville Parishes, LA - Surveyor-in- Charge** for complete **topographic survey and Mobile LiDAR** of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
12/16 – 12/19	**Retainer Contract No. 4400009387 for Professional Surveying Services – Statewide with Majority of Work in Districts 02, 03, 07, 61, and 62, LA – Surveyor** performing **Topographic Surveys** for LA DOTD. This contract showcases Mr. Wilson's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 5 separate Task Orders for 3 State Highway Projects. Survey tasks included Conventional Topo, Hydrographic Survey, LiDAR Survey, and producing Existing Drainage Maps.
01/18 – 06/19	**Contract 4400012323 - H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes** - LA DOTD- **Survey Manager** for **topographic survey, and terrestrial LiDAR survey** of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize **up to 5 Survey Crews** to meet phased deadlines.
10/18 – 02/19	**Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA - Surveyor-in- Charge** responsible 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. T**his project showcases Forte and Tablada's capability of quick response to an emergency task order.**
10/12 – 03/13	**H.009250 I-10: Highland to LA 73, East Baton Rouge and Ascension Parishes, LA– Survey Manager** for the **topographic survey and Terrestrial LiDAR** of approximately 7.0 miles to widen Interstate 10.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Gerald "Jerry" Middleton, P.L.S.**	Years of relevant experience with this employer	12.5	
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	37	
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		PLS 4846 / LA / 09/30/2025		
Year registered	1999	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities		Mr. Middleton will serve as **QA/QC Reviewer** during this contract, and in that role, he will review field and office methodology, assist in initial project planning, and perform an extra layer of review for completed task orders. He will also assist in any additional planning required, in order to meet tight deadlines. Mr. Middleton has 11.5 years of experience as a supervising Survey Manager over field crews and office work for on-system LADOTD Topographic and Right-of-Way Surveys, with 2.5 years being the Professional Surveyor-in-Charge on these projects. Mr. Middleton has successfully served as QA/QC Reviewer on over 16 separate On-system Topographic and Right-of-Way Surveys for LADOTD.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23 – Ongoing	**Contract 4400025029 - 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), East Baton Rouge Parish – QC Reviewer** for **topographic surveying** and right-of-way mapping services for 13 bridge sites on 2 lane roadways.
08/19 – Ongoing	**H.011670 - I-10/Loyola Interchange Improvements, Kenner, LA - QC Reviewer** providing **Topographic Survey,** Right- of-Way **Survey, Drainage Survey,** and Right-of-Way Monument Mapping. 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.
08/14 – Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA** – LA DOTD – **QC Reviewer** 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.
01/23 – 01/24	**Contract 4400021974 - Task Order 2- H.014218 US190-Livingston Parish Line, East Baton Rouge Parish, LA– QC Reviewer** for this project providing topographic survey, Mobile LiDAR, and drainage mapping. This project is in a dense urban area and includes approximately 4 miles of a 4-lane highway. The purpose of the project is to complete a road overlay and drainage improvements.
10/22 - 12/22	**Lafayette Streetscape Survey - Congress Street, Lafayette Parish, LA – QC Reviewer** providing **topographic survey** and property work to establish existing right-of-way for approximately a mile along a 3-lane roadway in an urban area along Congress Street.
05/21 – 12/22	**Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA– QC Reviewer** 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-10 and is approximately 7 miles long.

Gerald "Jerry" Middleton, P.L.S. - Continued	
06/20 – 03/22	**Contract 4400017598 - 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, LA – QC Reviewer** for **topographic surveying** and right-of-way mapping services for 22 bridge sites on 2 lane rural roadways.
07/12 – 12/20	**H.012308 - Cook Road Improvements, Livingston Parish, LA – Survey Manager and QC Reviewer** for **Topographic** and Right-of- Way surveys for this project to design a four-lane boulevard section from LA Hwy 16 to LA Hwy 1026, including multiple bridges.
01/20 – 10/20	**Contract 4400010587 - Task Orders 6, 7, and 8- H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415, West Baton Rouge & Iberville Parishes, LA - QC Reviewer** for complete **topographic survey and Mobile LiDAR** of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
12/19 – 09/20	**Contract 4400010587 - Task Order 9- H.011970 - Bayou Terrebonne Bridges, Terrebonne Parish, LA – QC Reviewer** for the **topographic survey** of the Bayou Terrebonne bridges and surrounding area, at the intersection of LA 182 and Bayou Terrebonne. The survey included 2 lane highways within an urban area.
10/17 – 03/20	**H.005967 Nelson Road Extension and Bridge, Calcasieu Parish, LA – QC Reviewer** responsible for **topographic survey** services North of Bayou Contraband for LA DOTD. The purpose of the project was to construct a bridge connecting L'Auberge Blvd. to W. Sallier Street over Bayou Contraband.
01/18 – 06/19	**Contract 4400012323 - H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes** - LA DOTD- **Survey Manager and QC Reviewer** for **topographic survey, and terrestrial LiDAR survey** of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize **up to 5 Survey Crews** to meet phased deadlines.
05/17 – 10/18	**Contract 4400009387 - Task Orders 2 and 5- H.004791.5 Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA - QC Reviewer** for comprehensive **topographic surveying, multi-beam hydrographic surveying, and drainage mapping** for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. The survey included a 4-lane highway, bridge, and tunnel within a dense urban area.
02/17 – 03/18	**Contract 4400009387 - Task Orders 1 and 3- H.010753.5 US 90 / I-310 Interchange, St. Charles Parish, LA - QC Reviewer** responsible for **topographic surveying and drainage mapping** of approximately 2 miles along US-90 and the area of the US 90/I-310 Interchange in St. Charles Parish. The survey included a 4-lane highway and 2 overpasses.
03/13 – 07/15	**H.004698 – Almonaster Avenue Lift Bridge, Orleans Parish, LA – Survey Manager and QC Reviewer** for performing **topographic, LiDAR, and property surveys**. An **existing drainage map** was also produced as part of this survey. The survey included 2 lane roadways and a lift bridge in a dense urban area.
10/12 – 03/13	**H.009250 I-10: Highland to LA 73, East Baton Rouge and Ascension Parishes, LA – Survey Manager and QC Reviewer** for the **topographic survey and Terrestrial LiDAR** of approximately 7.0 miles to widen the interstate.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Rachel Waldroup, P.L.S.**		Years of relevant experience with this employer	9
Title	Professional Land Surveyor		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2020 / Environmental Science; AAS / 2015 / Civil Surveying and Mapping Technology		
Active registration number / state / expiration date		PLS 5277 / LA / 09/30/2026		
Year registered	2022	Discipline	Land Surveying	
Contract role(s) / brief description of responsibilities		Ms. Waldroup will serve as **Hydrographic and LiDAR Survey QC Reviewer** during this contract, and in that role, she will review field and office methodology used for all Hydrographic and LiDAR work performed on task orders. She will also assist in the effort of estimating task orders and producing project deliverables for this set of work. Ms. Waldroup has over 6 years of experience working on on-system LADOTD Topographic Surveys, with 2 years being a Professional Surveyor on these projects. She has worked on over 30 on-system LADOTD Surveys, including both Topographic and Right-of-Way work.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23 – Ongoing	**Contract 4400025029 - 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)- East Baton Rouge Parish, LA – Surveyor** for **topographic surveying** and right-of-way mapping services for 13 bridge sites on 2 lane roadways.
09/21 – Ongoing	**IDIQ Contract No. 4400021532 for Professional Surveying Services – Statewide with Majority of Work in Districts 03 and 07, LA –Survey Intern and Surveyor** performing property surveys, establishing existing right-of-way, right-of-way maps and title take- offs for LA DOTD. Under this contract, a total of 22 task orders have been executed. This contract showcases Ms. Waldroup’s familiarity with the process of managing an LADOTD Survey IDIQ Task Order from beginning to end.
06/21 – Ongoing	**Contract 4400019336 - 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, LA - Survey Intern and Surveyor** for **topographic surveying** and right-of-way mapping services for 20 bridge sites on 2 lane rural roadways.
08/19 – Ongoing	**H.011670 - I-10/Loyola Interchange Improvements, Kenner, LA- Survey CAD Technician, Survey Intern, and Surveyor** providing **Topographic Survey, Right- of-Way Survey, Drainage Survey,** and Right-of-Way Monument Mapping. 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.
08/15 – Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA** – LA DOTD – **Survey CAD Technician, Survey Intern, and PLS** 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.

Rachel Waldroup, P.L.S. - Continued	
05/21 – 12/22	**Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA – Survey Intern and PLS** 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-10 and is approximately 7 miles long.
10/22 – 12/22	**Lafayette Streetscape Survey - Congress Street, Lafayette Parish, LA – Surveyor** providing **topographic survey, mobile LiDAR, and property survey** for approximately a mile along a 3-lane roadway in an urban area along Congress Street.
08/20 – 03/22	**Contract 4400017598 - 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, LA– Survey Intern** for **topographic surveying** for 22 bridge sites on 2 lane rural roadways.
03/21 – 12/21	**MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement, East Baton Rouge Parish, LA – Survey Intern** 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 along a 4-lane highway.
04/21 – 06/21	**Contract 4400010587 - Task Order 17- H.014628- LA 397: Turn Lanes at Rice Mill, Calcasieu Parish, LA - Survey Intern** responsible for **topographic surveying** along 2 lane rural roadways at the intersection of LA 397 and Joe Spears Rd.
01/18 – 06/19	**Contract 4400012323 - H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes, LA** - LA DOTD- **Survey CAD Technician** for **topographic survey, and terrestrial LiDAR survey** of approximately 5 miles of roadway along I- 10 and I-12 between LSU lakes and Essen Lane.
11/18 – 04/19	**Contracts 4400010587 - Task Orders 1 and 16 - 4400021974- Task Order 5- H.011684 - LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA – Survey CAD Technician** for a **topographic and 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. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.
05/17 – 10/18	**Contract 4400009387 - Task Orders 2 and 5 - H.004791.5 Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA – Survey CAD Technician** for comprehensive **topographic surveying, terrestrial LiDAR, hydrographic surveying, and drainage mapping** for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. The survey included a 4-lane highway, bridge, and tunnel within a dense urban area.
06/15 – 05/16	**Buddy Ellis Rd., Livingston Parish LA- Survey CAD Technician** for **Topographic and Utility Survey** of Buddy Ellis Road from LA 1026 to 447, for approximately 3.5 miles. The project was for roadway improvements and a bridge replacement. The survey was along a 2-lane roadway in a rural area.
06/15 – 04/16	**H.011828 Forrest Delatte Road Improvements and Bridge Replacement, Livingston Parish LA - Survey CAD Technician** for **Topographic and Utility Survey** of Forrest Delatte Rd. from LA 16 to LA 1026, for approximately 1.786 miles. The project was for roadway improvements and a bridge replacement. The survey was along a 2-lane roadway in a rural area.

16. Staff Experience:

Firm employed by	FORTE & TABLADA			
Name	**Brent Campbell**	Years of relevant experience with this employer	12	
Title	Group Leader – Advanced Measurements	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		BS / 2013 / Construction Management		
Active registration number / state / expiration date		3956975 / N/A / 10/23/25		
Year registered	N/A	Discipline	FAA Certified Remote Pilot	
Contract role(s) / brief description of responsibilities		Mr. Campbell will serve as **Advanced Measurements Group Lead** during this contract, and in that role, he will provide supervision over Task Managers of all LiDAR, Photogrammetric, and Hydrographic tasks performed on task orders. Expert with over a decade of experience using terrestrial and mobile/aerial LiDAR systems and accompanying post-processing and extraction software. Widespread experience managing and overseeing execution of projects involving advanced data capture techniques including LiDAR, Photogrammetry, Multibeam Bathymetry, and Aerial Imagery.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
02/25 – Ongoing	**Contract 4400021974 - Task Order 13- H.016278 - US 167: Median Improvements, Vermilion Parish, LA - Advanced Measurements Group Leader** to provide **topographic and Mobile LiDAR surveying** for median improvements of the US 167. The survey included over 2 miles along a divided 4 lane highway in a rural area.
01/16 – Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA – LA DOTD – LiDAR technician and Group Leader** responsible for providing **terrestrial LiDAR survey of roadway features** for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. completed **terrestrial LiDAR scanning** services for much of the congested corridor as a means to obtaining topographic data without endangering surveyors.
01/23 – 01/24	**Contract 4400021974 - Task Order 2 - H.014218 US190-Livingston Parish Line , East Baton Rouge Parish, LA– Advanced Measurements Group Leader** responsible for **management** and **QA/QC** of performing **Mobile LiDAR and extraction** for project providing **topographic survey**. 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. **Mobile LiDAR** was utilized, throughout the project, as a means to obtaining topographic data without endangering surveyors.
05/21 – 12/22	**Contracts 4400010587 - Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA– Advanced Measurements Group Leader** responsible for **Mobile LiDAR acquisition and extraction, as well as Hydrographic Survey acquisition and extraction** efforts. project is in a high-traffic industrial area along I-10 and is approximately 7 miles long. Forte and Tablada completed **Mobile LiDAR scanning services** for much of the corridor as a means of obtaining topographic data without endangering surveyors. The Survey also included **Multibeam Hydrographic survey** of Lake Charles, and **Terrestrial LiDAR scanning** of bridge substructures.
03/21 – 12/21	**MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement, East Baton Rouge Parish, LA – Mobile LiDAR Tech** responsible for assisting with **capturing mobile data**. Responsible for **processing and extracting the Mobile LiDAR data**. This project is in a dense urban area and is approximately 4 miles long. Forte and Tablada completed **mobile LiDAR** services for much of the congested corridor as a means of obtaining topographic data without endangering surveyors.

Brent Campbell - Continued	
11/19 – 12/20	**Contract 4400010587 - Task Orders 12, 14, and 15- H.012083- Calcasieu River Bridge INT Repairs, Calcasieu Parish, LA- Advanced Measurements Group Leader** responsible for the **management** and **QA/QC** of data and deliverables for the terrestrial laser scans 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. In addition to the terrestrial scans, performed mobile LiDAR for future planning.
10/19 – 10/20	**Inspection of Metal Culverts, Statewide, LA – Advanced Measurements Group Leader** responsible for the **management** and **QA/QC** for inspections and data acquisition for approximately 230 culvert locations statewide. Culvert measurements were acquired with a mixture of 3-D laser scanning, sonar, and LiDAR.
06/19 – 09/19	**Contract 4400010587 - Task Orders 11 and 13- H.000303.6- Danziger Bridge Repair, Orleans Parish, LA- Project Manager** responsible for **Topographic and Monitoring survey**, and **terrestrial LiDAR scanning** of Danziger bridge. This survey was necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge.
01/18 – 06/19	**Contract 4400012323 - H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes- LA DOTD- Project Manager** responsible for **scanning efforts** for **topographic survey** of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. 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.
10/18 – 05/19	**Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA- Project Manager** responsible for working with the design team to formulate a practical solution for attaining advanced measurements that were compatible with traditional measuring practices which were required for the structural analysis and repair design for the bridge. Additionally, assisted in scanning for incremental bridge movement as well as monitoring bridge movement as LADOTD jacked on members to place new beams using Faro Scene and MicroStation.
05/17 – 10/18	**Contract 4400009387 - Task Orders 2 and 5- H.004791.5 Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA - Project Manager** overseeing **Terrestrial LiDAR** and **Hydrographic Survey** efforts for comprehensive **topographic surveying** for the Belle Chasse Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, **terrestrial laser scanning of roadway, bridge and tunnel features, and multi-beam hydrographic surveying** of the Algiers Canal and exterior features of the existing tunnel.
10/12 – 03/13	**H.009250 I-10: Highland to LA 73, East Baton Rouge and Ascension Parishes, LA– Terrestrial LiDAR Tech** responsible for assisting with Scanning of bridges as well as processing and extracting topographic information. Project was a **topographic survey** of approximately 7.0 miles to widen the interstate. **Terrestrial LiDAR** was utilized on all bridges as a means to obtaining topographic data without endangering surveyors.

16. Staff Experience:

Firm employed by	**Civil Design & Construction, Inc. (CD&C)**				
Name	Chris Ballard, PLS		Years of relevant experience with this employer	9	
Title	Survey Manager		Years of relevant experience with other employer(s)	19	
Degree(s) / Years / Specialization			BS / 2004 / Biological Science / Southeastern LA University		
Active registration number / state / expiration date			5033 / Louisiana / September 30, 2026		
Year registered	2010	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities.			Mr. Ballard serves as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Ballard has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
12/23 – 05/23	**H.012618 LA 347 Drainage Improvements:** Mr. Ballard is the Survey Manager for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
02/23 – 12/23	**H.012027.5 - I-20 UPPR**: Mr. Ballard is the Survey Manager for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.
09/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**: Mr. Ballard is the Survey Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Mr. Ballard is the Survey Manager for this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19-09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Mr. Ballard is the Survey Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.

01/17-12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:** In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16-11/16	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:** Mr. Ballard served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17-09/17	**H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA**: Mr. Ballard is the Survey Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 - 12/18	**H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 - 08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included processing of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized 3D Terrestrial Scanning for the main route.
10/15 - 01/16	**H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	**H.002372 LA 42 Widening and Improvements, Ascension Parish, LA**: Mr. Ballard worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning.

16. Staff Experience:

Firm employed by	**Civil Design & Construction, Inc. (CD&C)**			
Name	Madison Mills, PLS	Years of relevant experience with this employer	4	
Title	Survey Project Manager	Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization		BS / 2016 / Civil Engineering		
Active registration number / state / expiration date		5293 / Louisiana / March 31, 2027		
Year registered	11/15/2022	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities.		Mr. Mills joined CD&C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of specified in the applicable MPR(s).
12/23 – 05/23	**H.012618 LA 347 Drainage Improvements:** Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
09/23 – 12/23	**H.015619.5 LA 106:** Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	**H.015056 - LA 685:** Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	**H.015058 - LA 14 Business:** Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
02/23 – 12/23	**H.012027.5 I-20 UPPR**: Mr. Mills is the Survey Project Manager on this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.
08/22 – 02/23	**4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:** Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
01/22 – 11/22	**4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2:** Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
09/21 – 03/22	**H.014747 Southern University Ravine Protection, East Baton Rouge Parish**: Mr. Mills served as a Survey Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning.

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

16. Staff Experience:

<table>
<tr><td colspan="2">Firm employed by</td><td colspan="4">Civil Design & Construction, Inc. (CD&C)</td></tr>
<tr><td>Name</td><td>Chancey Cothren</td><td colspan="2">Years of relevant experience with this employer</td><td>1</td><td rowspan="5">  </td></tr>
<tr><td>Title</td><td>Land Survey Intern</td><td colspan="2">Years of relevant experience with other employer(s)</td><td>2</td></tr>
<tr><td colspan="2">Degree(s) / Years / Specialization</td><td colspan="3">BS / 2023 / Geomatics</td></tr>
<tr><td colspan="2">Active registration number / state / expiration date</td><td colspan="3">776 / Louisiana / March 31, 2006</td></tr>
<tr><td>Year registered</td><td>2023</td><td>Discipline</td><td colspan="2">Land Surveying Intern</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="3">Mr. Cothern is a Land Surveying Intern. He will help manage field crews, process field crew data, and finalize deliverables.</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 specified in the applicable MPR(s).</td></tr>
<tr><td>6/23 – 8/23</td><td colspan="5">LA-22: Mr. Cothren was on the survey crew that performed the topographic survey along LA-22. This survey was about four miles long and the data was collected using laser scanning, UAV lidar, and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.</td></tr>
<tr><td>8/23 – 10/23</td><td colspan="5">I-10 / LA-44: Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along I-10 and two miles along LA – 44. Data was collected using lidar and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.</td></tr>
<tr><td>11/23 – 12/23</td><td colspan="5">Gause Blvd / EI-10 Service Road: Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along EI-10 Service Rd. This project was completed using GPS and Total Staton. Project was completed to LADOTD Location and Survey Standards and practices.</td></tr>
<tr><td>8/22-9/22</td><td colspan="5">USACE: Mississippi river hydrographic survey: Mr. Cothren was on the survey crew that performed hydrographic surveys to locate any submerged obstructions in portions of the river. This project was completed using magnetometers and USV’s.</td></tr>
<tr><td>8/23</td><td colspan="5">USACE: Mississippi river revetment restoration: Mr. Cothren was on the survey crew that performed the surveys needed to locate how much dirt needed to be removed when shaping the levee for the placement of the new revetments. This Project was completed to Louisiana Survey Standards and practices.</td></tr>
</table>

16. Staff Experience:

Firm employed by	Civil Design & Construction, Inc. (CD&C)			
Name	Clarence J. Goodspeed	Years of relevant experience with this employer	3	
Title	SUE Manager	Years of relevant experience with other employer(s)	30	
Degree(s) / Years / Specialization				
Active registration number / state / expiration date				
Year registered	Discipline			
Contract role(s) / brief description of responsibilities * Dates not included as work was done at previous Employer		Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/23 – On-Going	**MSY Campus Wide Sewer Location**: Mr. Goodspeed serves as the firms SUE PM for the project. CD&C is performing a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate it's sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer forcemains are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.
01/24 – 03/24	**RN Nuccio Rd SUE**: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this bridge replacement project. CD&C, Inc. provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. provided all SUE reports and data.
04/24 – 05/24	**BRMA FAA Boring**: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.
03/24 – On-Going	**MSY East Apron Expansion**: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project includes the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
03/24 – 05/24	**MSY Employee Parking**: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
02/24 – 05/24	**BRMA Radar Decomp**: Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.

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

16. Staff Experience:

Firm employed by Civil Design & Construction, Inc. (CD&C)					
Name	Tracey Smith		Years of relevant experience with this employer	2	
Title	Utility Coordinator		Years of relevant experience with other employer(s)	24	
Degree(s) / Years / Specialization					
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities * Dates not included as work was done at previous Employer			Mr. Smith has over 24 years' experience in underground utilities. Mr. Smith has worked in the gas field for 3 years and spent 19 years performing various underground utility locations and serving as a supervisor for a number of locate technicians.		

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

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

16. Staff Experience:

Firm employed by Eustis Engineering L.L.C.				
Name	Gwendolyn P. Sanders, P.E.		Years of relevant experience with this employer	32
Title	President		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Master of Science / 1992 / Engineering Bachelor of Science / 1990 / Civil Engineering	
Active registration number / state / expiration date			PE.0027104 / Louisiana / 9-30-2025	
Year registered	1997	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			As President, Mrs. Sanders will be responsible for the overall services provided by Eustis Engineering and provide senior level review. She can provide QA/QC review of all geotechnical deliverables to ensure they meet current AASHTO/DOTD standards. She has over 20 years of roadway and bridge design experience	

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).
08/07-09/16	**State of Louisiana, Peters Road, Phases I through III, Bridge over Gulf Intracoastal Waterway and Bayou Barataria, Jefferson and Plaquemines Parishes, Louisiana (19922, 20604, 21750.00-.02, 21827.00, .01):** Mrs. Sanders participated in the development of the geotechnical exploration and laboratory testing scopes for these projects. She performed or reviewed engineering analyses including recommendations regarding bearing values, settlement, and construction considerations for arch pipes and box culverts; settlement of the roadway; preload operations; lateral earth pressures; excavations, dewatering and pressure relief, pavement recommendations; and estimates of pile capacities. She also reviewed the geotechnical aspects of preliminary and final plans.
03/20 - Ongoing	**LaDOTD - I-10 and I-12 College Drive Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646):** Services for this project included undisturbed borings, auger borings, and cone penetration tests and associated laboratory testing. As Principal, Ms. Sanders has put in over 300 hours on this project to perform senior level QA/QC review associated with the design and construction services. She participates in weekly progress meetings both with the design team and with the owner representatives.
01/21 - Ongoing	**LaDOTD - Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03):** The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and drilled 24 borings over water, marsh, and land. Geotechnical analyses followed AASHTO LRFD and LaDOTD design requirements and include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Ms. Sanders assisted in the project scope development for the design services. She is also providing independent reviews for selected contractor submittals as part of the QA/QC requirements.

16. Staff Experience:

Firm employed by Eustis Engineering L.L.C.					
Name	**Matthew K. Morales, P.E.**		Years of relevant experience with this employer	16	
Title	Project Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			Bachelor of Science / 2008 / Civil Engineering		
Active registration number / state / expiration date			38211 / Louisiana / 9-30-2025		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Morales routinely performs design analyses and reviews the geotechnical aspects of plans and specifications for local/municipal and state government projects, federal projects, and industrial clients. He is familiar with regulations, policies, procedures, and standards for these various stakeholders. He is a registered professional engineer in the State of Louisiana with over ten years of geotechnical engineering experience involving Louisiana soils and bridge structures and including the testing and acceptance of construction materials on LaDOTD Projects and similar projects.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/20 - Ongoing	**LaDOTD, I-10 and I-12 College Drive Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646):** Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Design services were provided for seven different major project features. Mr. Morales is the geotechnical design engineer for all project features, which include driven pile and drill shaft foundation design, slope stability analyses, retaining wall design, embankment evaluations, roadway pavement design, and developing load test programs. Eustis Engineering performed dynamic pile testing with signal matching to verify pile load capacity estimates, and reviewed installation logs of the production piles. Mr. Morales' responsibilities on this project include performing engineering design work for the project features in a timely manner, allowing construction operations to progress with minimal delays. He has reviewed submittals and test results for the subgrade layer and pavement base aggregates.				
01/21 - Ongoing	**LaDOTD - Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03):** The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access, and drilled 24 borings over water, marsh, and pavement. Geotechnical design analyses include vertical and lateral pile capacity with and without scour, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) driveability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Mr. Morales has been responsible for performing internal reviews of the engineering analyses, the geotechnical data report, and the geotechnical design report completed for this project. He is also leading the EDC efforts.				

16. Staff Experience:

Firm employed by	Eustis Engineering L.L.C.		
Name	**Travis R. Richards, P.E.**	Years of relevant experience with this employer	18
Title	Vice President of Testing and Senior Project Manager	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		Graduate Certificate / 2018 / Coastal Engineering Master of Science / 2017 / Engineering Master of Science / 2015 / Engineering Management Bachelor of Science / 1998 / Civil Engineering	
Active registration number / state / expiration date		License No. 30992 / Louisiana / 3-31-2025	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Richards is responsible for the quality oversite of technical functions/performance of the soil mechanics' laboratory testing for both its geotechnical and construction materials testing functions. Eustis Engineering's Quality Control Manager reports to Mr. Richards. Additionally, Mr. Richards provides oversight for Eustis Engineering's instrumentation services (installation, monitoring and remote sensing) as well as QA/QC review of cone penetrometer testing and reporting.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/20 – Ongoing	**LaDOTD, I-10 and I-12 College Drive Flyover Ramp Design-Build Project (B0646):** Major features of this project include a flyover ramp exit to College Drive, a modified exit from I-12 West, and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Design services were provided for seven different major project features. Geotechnical design project features include driven pile and drilled shaft foundation design, slope stability analyses, embankment evaluations, roadway pavement design, and developing load test programs. Eustis Engineering witnessed a bi-directional static load test and performed dynamic pile testing (DPT) with our pile driving analyzer (PDA) along with signal matching of these data. Mr. Richards provided quality review of the laboratory testing services and the CPT results.
01/21 – Ongoing	**LaDOTD, Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03):** The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access, and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Mr. Richards oversaw the laboratory testing services and reporting. He adjusted the gINT® database/library to allow for LaDOTD requested formatting and report generation to complete the data report. He has also been involved with quality control oversight of the construction phase service testing and reporting.

16. Staff Experience:

Firm employed by Eustis Engineering L.L.C.				
Name	**Chad D Roe, P.E.**		Years of relevant experience with this employer	2
Title	Project Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			Master of Science / 2021 / Civil Engineering Bachelor of Science / 2013 / Civil Engineering	
Active registration number / state / expiration date			License No. 41908 / Louisiana / 3-31-2026	
Year registered	2017	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Roe has over ten years of experience in geotechnical engineering in the unique Gulf Coast conditions. As Project Manager, he is involved in the various stages of engineering services including geotechnical project management, engineering design, engineering during construction, and dynamic pile testing. He also has extensive experience in construction quality assurance and safety coordination. Mr. Roe has served as the Project Manager for several task orders under Eustis Engineering's Geotechnical IDIQ contract with LaDOTD (Contract No. 4400019017). Specifically, he managed coordination of drilling, laboratory testing, and draft and final geotechnical data reports for Task Order Nos. 5, 6, 7 and 8. These task orders are associated with projects located in Terrebonne, Plaquemines, Lafayette, and Richland Parishes. All laboratory testing on the retrieved samples was conducted in Eustis Engineering's accredited laboratory. Results have been reported using the LaDOTD's gINT boring log and cone penetrometer test (CPT) templates.	
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 – Ongoing	**LaDOTD, Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03):** The goal of this project is a full replacement of the Bayou Barataria Bridge. Under Task Order No. 02 of Contract No. 4400019017, Eustis Engineering obtained relevant permits and land access, and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. During the construction phase, Mr. Roe completed engineering analyses to evaluate slope stability and bearing capacity for temporary features proposed by the contractor.			

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, Traffic	
Project name	S Larriviere Rd: LA 92 – Chemin Metairie (CE&I)			Firm responsibility (prime or sub?)	Prime
Project number	H.012867.6	Owner's name	City of Youngsville (LaDOTD LPA project)		
Project location	Youngsville, Louisiana		Owner's Project Manager	Terry Bourque	
Owner's address, phone, email	201 Iberia St, Youngsville, LA 70592 / (337) 856-4181 / terrybourque@youngsvillela.gov				
Services commenced by this firm (mm/yy)	04/25	Total consultant contract cost ($1,000's)		673	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		673	

The S Larriviere Rd: LA 92 – Chemin Metairie project will reconstruct approximately 1.2 miles of the existing asphalt road and roadside ditches, including new base course, asphalt pavement, concrete curb and gutter, subsurface drainage system (15" RCP to 48" RCP, manholes, and catch basins), pavement markings, signage, sidewalks, driveways, and sewer house connection adjustments. The project will also replace an existing bridge and RCP culvert with three 10'x9' precast concrete box culverts and two 8'x8' precast concrete box culverts, respectively, as well as cast-in-place concrete headwalls and flexible revetments. Horizon is currently providing construction engineering and inspection services for the project.

Firm Members Involved: Brett Liuzza, Ben Bartlett, John Karlin, Jeff Puissegur, and Keith Schulz

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, Traffic	
Project name	Fortune Road Pavement Preservation (CE&I)			Firm responsibility (prime or sub?)	Prime
Project number	H.012868.6	Owner's name	City of Youngsville (LaDOTD LPA project)		
Project location	Youngsville, Louisiana		Owner's Project Manager	Terry Bourque	
Owner's address, phone, email	201 Iberia St, Youngsville, LA 70592 / (337) 856-4181 / terrybourque@youngsvillela.gov				
Services commenced by this firm (mm/yy)	04/25	Total consultant contract cost ($1,000's)		93	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		93	

The Fortune Road Pavement Preservation project will mill, patch, and overlay approximately 1.1 miles of the existing asphalt road and install new pavement markings. Horizon is currently providing construction engineering and inspection services for the project. The project is anticipated to be completed in June 2025.

Firm Members Involved: Brett Liuzza, Ben Bartlett, John Karlin, Jeff Puissegur, and Keith Schulz

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, Traffic	
Project name	St. Bernard Pedestrian Improvements (CE&I)			Firm responsibility (prime or sub?)	Prime
Project number	H.014049.6	Owner's name	LaDOTD		
Project location	Chalmette, Louisiana		Owner's Project Manager	Justin Guilbeau	
Owner's address, phone, email	14101 Old Gentilly Rd, New Orleans, LA 70129 / (504) 253-6102 / justin.guilbeau@la.gov				
Services commenced by this firm (mm/yy)	03/25	Total consultant contract cost ($1,000's)		106	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		106	

The St. Bernard Pedestrian Improvements project will improve pedestrian facilities along LA 47 (Paris Rd.) and LA 39 (E. Judge Perez Dr.) by installing new rectangular rapid-flashing beacons, signage, high visibility crosswalks, pavement markings, a pedestrian refuge island, ADA compliant curb ramps, sidewalks, handrails, and other associated features. Horizon is currently providing construction engineering and inspection services for the project. The project is anticipated to be completed in July 2025.

Firm Members Involved: Brett Liuzza, Ben Bartlett, John Karlin, Jeff Puissegur, and Keith Schulz

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, Traffic	
Project name	Zellwood Station Phase 3 Traffic Study and ICE			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)		78	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		78	

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.

Horizon completed an Intersection Control Evaluation (ICE) for FDOT to evaluate the installation of a new signalized intersection on US 441 and is currently awaiting FDOT's review.

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

17. Firm Experience:

Firm name	**Horizon Engineering, LLC**		Discipline(s)*	Road, Traffic	
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	Delta Design Professionals, LLC		Discipline(s)*	Road	
Project name	Pilots for Patients – Architectural Design of a 12,250 sq. ft. aircraft hanger and office/waiting area/restrooms, kitchen and site development.			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Pilots for Patients		
Project location	Monroe, LA Airport		Owner's Project Manager	Deryle Shipman	
Owner's address, phone, email	3127 Mercedes Dr, Monroe, LA 71201 / 318-282-3302 / jds.shipman@yahoo.com				
Services commenced by this firm (mm/yy)	11/2024	Total consultant contract cost ($1,000's)		58.6	
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)		32.5	

Delta Design Professionals, LLC (DDP) performed ADA Compliant Life Safety design of a 12,500 sq. ft. aircraft hanger with office, restrooms, kitchen, and waiting area for patients awaiting flights. DDP performed foundation design, site development including reinforced concrete pavement design and performed hydraulic analysis with stormwater detention.

Administered sub-contract for MEPs and Geotechnical Services.

Firm Members Involved: Ken Free and Ashley Wright

17. Firm Experience:

Firm name	Delta Design Professionals, LLC		Discipline(s)*	Road	
Project name	Tallulah Academy – Architectural Design of a 15,000 sq. ft Gymnasium with storm shelter and a 15,000 sq. ft. Educational Building.			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Tallulah Academy – Delta Christian		
Project location	Tallulah, LA		Owner's Project Manager	Walley Lopez	
Owner's address, phone, email	700 Wood St, Tallulah, LA 71282 / 318-341-4090				
Services commenced by this firm (mm/yy)	08/2023		Total consultant contract cost ($1,000's)		252.7
Services completed by this firm (mm/yy)	Present		Cost of consultant services provided by this firm ($1,000's)		153.7

Delta Design Professionals, LLC (DDP) performed ADA Compliant Life Safety design and obtained Fire Marshal approval as the POR for a 15,000 sq. ft. gymnasium with storm shelter and a 15,000 sq. ft. educational building. DDP was responsible for contract administration, foundation design, site development including reinforced concrete pavement design.

Administered sub-contract for Topographical and Boundary Survey, MEPs and Geotechnical Services.

Firm Members Involved: Ken Free and Ashley Wright

17. Firm Experience:

Firm name	Delta Design Professionals, LLC		Discipline(s)*	Road	
Project name	Johnson Advanced Living			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Paul Johnson		
Project location	New Mineral Springs Rd, Calhoun, LA 71225		Owner's Project Manager	Paul Johnson	
Owner's address, phone, email	P.O. Box 41, Calhoun, LA 71225 / 318-509-9308 / pauljohnson40@yahoo.com				
Services commenced by this firm (mm/yy)	07/2023	Total consultant contract cost ($1,000's)		24.7	
Services completed by this firm (mm/yy)	04/2024	Cost of consultant services provided by this firm ($1,000's)		17	

Delta Design Professionals, LLC (DDP) performed the site development on a 9-acre subdivision located on New Mineral Springs Rd, Calhoun LA. The work consisted of grading, drainage analysis, sanitary sewer discharge, erosion control measures, approval through the LA Department of Health and the Ouachita Pariah Police Jury.

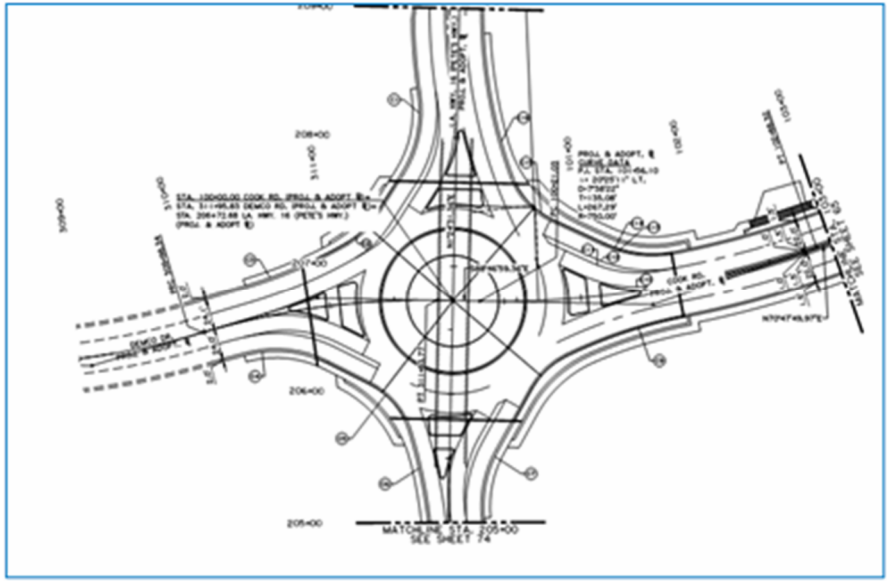
Firm Members Involved: Ken Free and Ashley Wright

17. Firm Experience:

Firm Name	**Forte and Tablada, Inc.**	Discipline(s)*	**Survey, Road**
Project Name	**Cook Road Improvements**	Firm responsibility (prime or sub?)	Prime
Project Number	H.012308	Owner's Name	Livingston Parish Council
Project Location	Livingston Parish, LA	Owner's Project Manager	Layton Ricks
Owner's address, phone, email	P.O. Box 427, Livingston, LA 70754, 225-686-2266, lricks@lpgov.com		
Services commenced by this firm (mm/yy)	01/12	Total consultant contract cost ($1,000's)	$2,833
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,833

Forte and Tablada, Inc. performed comprehensive engineering and surveying services for this project that designed improvements to an existing section of two-lane roadway and an unimproved area with the construction of a four (4) lane boulevard section from LA Hwy 16 (Pete's Hwy) to LA Hwy 1026 (Juban Road), along with several bridges. The project typical section included a grass median (including turn lanes) with lighting and sidewalks on both sides of the road. Due to other projects and anticipated growth in the project area, this project also includes a multi-lane roundabout at the intersection of Cook Road and Pete's Hwy. This project included 2 180' long reinforced concrete span bridges. A HEC-RAS hydraulic model was created to evaluate the bridge's performance. A no-rise certificate was also required for this project. The structures were analyzed in accordance with LA DOTD Hydraulics Manual. Services provided for this project include project management, a Line and Grade Study, Topographic Surveying, Environmental Services, Property Surveying, Right-of-Way Mapping, Title Take Offs, Design Engineering, Construction Engineering, and Resident Project Representative Services for the proposed construction. The engineering design was completed January 2022, and construction phase is currently underway.

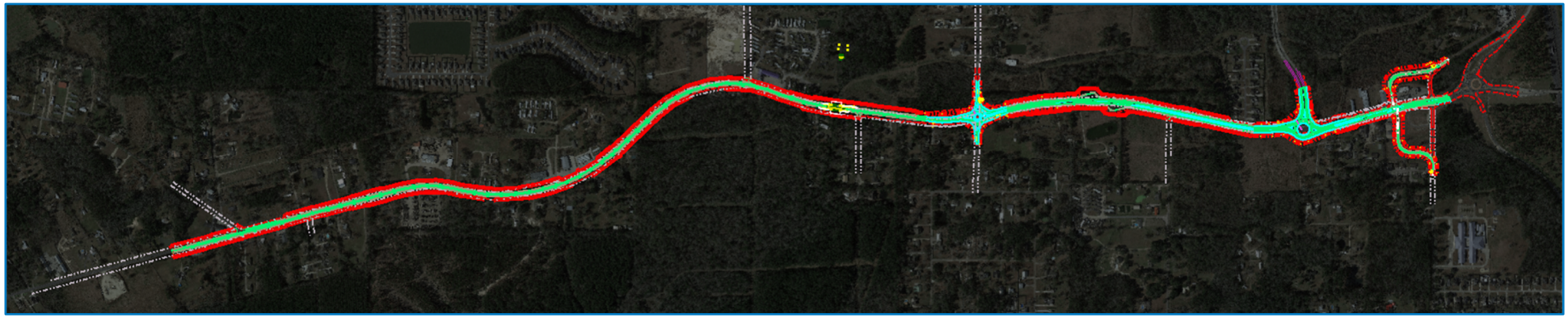
Firm Members Involved:
Ross Wilson, P.L.S., Project Manager
Jerry Middleton, P.L.S., Surveyor
Rachel Waldroup, P.L.S., Surveyor



17. Firm Experience:

Firm Name	**Forte and Tablada, Inc.**	Discipline(s)*	**Road**
Project Name	**LA 447 Widening: I-12 to Joe May Rd.**	Firm responsibility (prime or sub?)	Prime
Project Number	H.005734.5	Owner's Name	LADOTD
Project Location	Livingston Parish, LA	Owner's Project Manager	Ryan Morvant, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802, 225-379-1067, ryan.morvant@la.gov		
Services commenced by this firm (mm/yy)	12/22	Total consultant contract cost ($1,000's)	$681
Services completed by this firm (mm/yy)	03/25	Cost of consultant services provided by this firm ($1,000's)	$470

Forte and Tablada was responsible as the Prime Consultant for Preliminary Design Plans for this ±3.0 mile road widening project. The project entailed the development of preliminary plans to widen LA 447 (Walker South Rd.) from a 2-lane roadway to a 3-lane roadway and 4-lane divided highway, with 2 multilane roundabouts (designed by others), R-CUTS, bridge replacement over Taylor Bayou, relocated side streets, and limited access connection at relocated side street intersections. Forte and Tablada was responsible for overall management and quality assurance / quality control of the project, coordinating closely with LADOTD and Subconsultant partners, as well as coordinating with local stakeholders as the project required. Forte and Tablada was responsible for geometric design, grading, drainage, sequence of construction, 3d modeling, and construction plan preparation. Additionally, Forte and Tablada performed a rigorous regional drainage review to provide LADOTD personnel with the information needed to determine the proposed roadway elevation.



Firm Members Involved:
Janice Williams, P.E., QA/QC Engineer

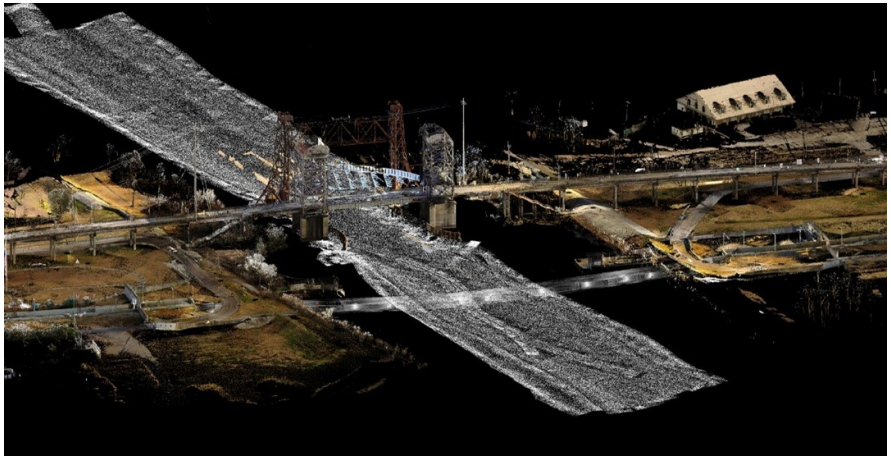
17. Firm Experience:

Firm Name	**Forte and Tablada, Inc.**	Discipline(s)*	**Survey**
Project Name	**Belle Chasse Bridge and Tunnel Replacement**	Firm responsibility (prime or sub?)	Prime
Project Number	H.004791.5	Owner's Name	LADOTD
Project Location	Plaquemines Parish, LA	Owner's Project Manager	Stanley Ard
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov		
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost ($1,000's)	$401.7
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)	$249.6

Forte and Tablada provided comprehensive topographic surveying services for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. Included in this work was a survey performed utilizing traditional methods, terrestrial laser scanning of roadway surfaces, and multi-beam 3-D hydrographic surveying.

The primary challenge for this project was to complete the topographic survey, while not shutting down travel on the bridge nor tunnel. In order to perform a traditional topographic survey, the feature being measured must be in physical reach of the equipment operator. Forte and Tablada was able to overcome this challenge through the use of remote sensing technology. Remote sense was used in the form of LiDAR for the bridge and overpass, and multi-beam sonar for the water bottom and top of tunnel. A robot was fabricated by Forte and Tablada staff to ride the bridge rail with the LiDAR scanner in order to avoid lane closures and improve the safety of equipment operators. This project displays Forte and Tablada's ability to use advanced technology such as lidar scanning and multibeam hydrographic equipment to conduct topographic surveys on bridge projects for LA DOTD.

Firm Members Involved:
Jerry Middleton, Jr., P.L.S., Party Chief/Technician
Ross Wilson, P.L.S., Project Manager
Brent Campbell, Senior Technician



17. Firm Experience:

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

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

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

Members Involved: Christopher Ballard, PLS Survey PM; Madison Mills, PLS, Surveyor; Jacob Stoehr, Party Chief; Scott Benton, 3D Scan Technician

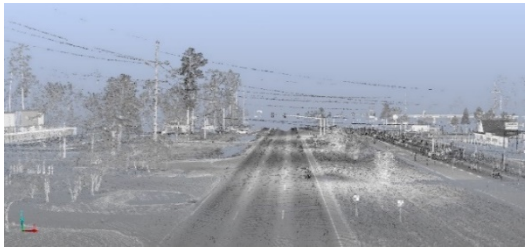
Performed in LA: 100%

17. Firm Experience:

Firm name	Civil Design & Construction, Inc.		Discipline(s)*	Survey	
Project name	US 190 Superstreet			Firm responsibility (prime or sub?)	Sub
Project number	H.005733.5	Owner's name	LADOTD		
Project location	St. Tammany Parish, LA		Owner's Project Manager	Josh Harrouch	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802/225-379-123/Joshua.harrouch@la.gov				
Services commenced by this firm (mm/yy)	01/16	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm ($1,000's)		$207	

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

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



Members Involved: Christopher Ballard, PLS Survey PM; Jacob Stoehr, Party Chief;

Performed in LA: 100%

17. Firm Experience:

Firm name	Civil Design & Construction, Inc.		Discipline(s)*	Survey	
Project name	I-20 UPRR Overpass			Firm responsibility (prime or sub?)	Sub
Project number	H.012027.5	Owner's name	LADOTD		
Project location	Shreveport, LA		Owner's Project Manager	Thomas Gattle (Huval & Assoc.)	
Owner's address, phone, email	922 W. Point Des Mouton Rd., Lafayette, LA 705007 / 337-234-3798 / tgattle@tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)		281	

Project Description: CD&C, Inc. was a sub-consultant on this project. CD&C, Inc. performed a full topographic beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails. The survey total distance was 2.03 miles with a width of approximately 350 feet. This included 1 mile along Highway 79 with a width of 300 feet.

CD&C's Role: CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. Final submittal was in accordance with latest LADOTD Location and Survey standards.

Members Involved: CD&C employees involved in the project included Christopher Ballard, PLS, Survey PM; Madison Mills, PLS, Surveyor; Clarence J. Goodspeed, SUE Manager; Scott Benton, 3D Scanning Tech; Alex Wells, Party Chief; Jason Stoehr, Party Chief; Drennon Humphreys, Party Chief

Performed in LA: 100%

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.			Discipline(s)*	Geotech and Other (selected CMT)
Project name	**I-10 and I-12 College Drive Flyover Ramp Design-Build Project**			Firm responsibility (prime or sub?)	Sub
Project number	B0646	Owner's name		LaDOTD Through Boh-G.E.C., Inc. Design-Build Team	
Project location	East Baton Rouge Parish, Louisiana		Owner's Project Manager	Sherri LeBas, P.E.	
Owner's address, phone, email	8282 Goodwood Boulevard, Baton Rouge, Louisiana, 225-612-4107, slebas@gecinc.com				
Services commenced by this firm (mm/yy)	03/20	Total consultant contract cost ($1,000's)			Unknown
Services completed by this firm (mm/yy)	06/25 (estimated)	Cost of consultant services provided by this firm ($1,000's)			$635 (to date)

This project includes a variety of interchange improvements to I-10 West and College Drive including a flyover ramp exit to College Drive in advance of the I-10 and I-12 West merge; a modified exit from I-12 West to College Drive; and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Eustis Engineering L.L.C. is part of the design-build team participating in all aspects of this project.

Eustis Engineering L.L.C. completed an exploration of the site to supplement available data comprising ten undisturbed borings, eight cone penetration tests, and fourteen auger or direct push borings. Coordination of traffic control, permitting and safe execution of this exploration in this active and congested interstate corridor were completed by our team. Soil mechanics laboratory tests performed in our accredited laboratory on collected samples consisted of natural water content, unit weight, one-point unconsolidated undrained triaxial compression shear, Atterberg liquid limits and plastic limits, grain size sieve analyses, hydrometer analyses, and one-dimensional consolidation tests. These data were published in a GEOT-01 Geotechnical Exploration Data Report that was reviewed by the State of Louisiana, Department of Transportation and Development (LaDOTD) to confirm compliance with their design requirements.

The design services included developing separate geotechnical design reports for each of seven major project features, specifically a sound barrier/noise-wall; the roadway (mainline and exit ramps); the Ward Creek Bridge widening; the I-10 Westbound Bridge over I-12, including driven piles and drilled shafts; retaining and/or Mechanically Stabilized Earth (MSE) walls at modified bridge abutments; box culverts or flumes for site drainage; high mast lighting, Intelligent Transportation Systems (ITS); and other miscellaneous features. GEOT-09 is the design report for the roadway. This report included evaluation of temporary and permanent asphaltic concrete pavements as well as temporary and permanent Portland Cement Concrete pavements. The LaDOTD provided reviews of draft and final reports and verified design standards were met. We are also participating in weekly progress meetings with the project design team and with the project stakeholders. Design review meetings are conducted as part of the quality review process. Construction is currently nearing completion.

Engineers involved with this project include **Matthew K. Morales, P.E., Gwendolyn P. Sanders, P.E, and Travis R. Richards, P.E.**

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech	
Project name	**Peters Road, Phases I, II, and III**		Firm responsibility (prime or sub?)	Sub	
Project number	20604,21750,21827	Owner's name	LaDOTD Through Burk-Kleinpeter Inc.		
Project location	Plaquemines and Jefferson Parishes, Louisiana		Owner's Project Manager	Rene Chopin	
Owner's address, phone, email	4176 Canal Street, New Orleans, Louisiana 70119, 504-486-5901, rchopin@bkiusa.com				
Services commenced by this firm (mm/yy)	11/12	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	09/16	Cost of consultant services provided by this firm ($1,000's)		$504	

Eustis Engineering completed geotechnical explorations for Phases I, II, and III for the Peters Road Bridge project. Phase I included the drilling of 34 undisturbed borings using a drill rig mounted on an all-terrain vehicle assisted by a bulldozer to evaluate the proposed roadway. In addition to site preparation and pavement recommendations, the geotechnical scope for Phase I included our evaluation of arch pipes and culverts. We provided material and compaction requirements for bedding along with allowable soil bearing values and settlement estimates, including preload operations to mitigate potential settlement. Phase II of the Peters Road project encompassed the connector roadways to the Phase III project bridges spanning the Gulf Intracoastal Waterway (GIWW) and Bayou Barataria. Phase II also included two bridges spanning Bayou Barataria and three box culverts for roadways crossing Murphy Canal in Jefferson Parish. Eustis Engineering developed an exploration scope using a combination of soil borings and cone penetration tests (CPTs) for this project phase. Our geotechnical engineering analyses included allowable compressive and tensile load capacities for prestressed concrete piles; estimated total settlement and differential settlement due to structural loads and fill placement; settlement due to negative skin friction of pile foundations; stability analyses at the bridge crossing and box culvert transition areas; and general construction recommendations. Phase III focused on the bridges to be constructed over the GIWW and Bayou Barataria and connecting Phase III with Phases I and II. We completed 13 undisturbed sample type soil test borings and 21 CPTs for Phase III. We provided estimates of ultimate pile load capacities of deep foundations to support the proposed bridge crossings at the GIWW and Bayou Barataria, and elevated roadways between these bridges. Eustis Engineering also provided supplemental analyses for Phases II and III to address permit review comments from the U.S. Army Corps of Engineers. For Phase II, we performed Settlement Induced Bending Moment analyses to evaluate the impact new roadway fill could have if placement proceeded at the protected side of an existing USACE flood protection T-wall. Eustis Engineering presented estimates of maximum bending moments in the T-wall foundation piles using the principle of superposition wherein soil displacements were estimated from conventional settlement and Finite Element Model analyses. For Phase III, we performed seepage analyses to address potential seepage impacts of the proposed Intracoastal Waterway bridge foundations on the existing Algiers Canal levee. Our analyses were based on the USACE's blanket theory method and Lane's Weighted Creep Ratio computations.

In total, Eustis Engineering provided more than 6,200 manhours on this project. **Gwendolyn P. Sanders, P.E.** was the project manager.

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.		Discipline(s)*	Geotech and Other (selected CMT)	
Project name	**Bayou Barataria Bridge Replacement**			Firm responsibility (prime or sub?)	Sub
Project number	24515.00-.03	Owner's name	LaDOTD		
Project location	Jefferson Parish, Louisiana		Owner's Project Manager	Kristy H. Smith, P.E.	
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana 70806, 225-929-9133, kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$1,058 (to date)	

The existing Bayou Barataria Bridge is proposed to be replaced with a new structure set to be 963 feet long and supported by 13 pile bents comprising square, precast concrete piles. An unequal, 183-ft long arm swing span is proposed between Bents 6 and 8 to provide a horizontal channel clearance of 85 feet within Bayou Barataria. Mill and overlay of existing pavements along portions of LA Highways 45 and 3257 are planned. Portions of these highways will also be raised and widened, and approximately 1 mile of LA Highway 45 will be shifted 30 feet to the east into the marsh.

For this project, Eustis Engineering obtained the relevant Coastal Use Permits for the marsh as well as the roadway and marine locations. We also obtained necessary land access permissions. Drilling comprised 24 soil borings. Of these, 20 were ***drilled over marsh or water*** to depths ranging between 100 to 200 feet below the mudline. The remaining four were drilled to depths of 20 feet through existing pavements to evaluate proposed drainage structures and provide recommendations for mill and overlay of existing pavement sections to be incorporated into the final design.

Geotechnical design analyses completed by our design team included vertical and lateral pile analyses, pile scour capacity analyses, and pile group settlement in accordance with AASHTO Load Resistance Factor Design requirements. Additional analyses were performed to evaluate ground settlement, settlement surcharge/remediation programs, retaining wall recommendations, slope stability, and pavement design. Deliverables for the design phase included boring logs, geotechnical data reporting, geotechnical design reporting, and an electronic boring log data file. Eustis Engineering is currently contracted as a prime geotechnical consultant to complete engineering during construction and as a subcontractor to perform selected construction materials testing services. We have completed a Wave Equation Analysis of Piles (WEAP) driveability study and are performing dynamic pile testing on the monitor piles and selected job piles. We have also developed and implemented a vibration monitoring plan and have reviewed surcharge operations to date. Testing services have included logging the installation of driven square precast concrete piles.

Engineers involved with this project include **Travis R. Richards, P.E., Matthew K. Morales, P.E., Gwendolyn P. Sanders, P.E., and Chad D. Roe, P.E.**

18. Approach and Methodology:

IDIQ Contract 4400030716 for pavement preservation will rehabilitate roads throughout the state (primarily in District 02) by replacing deteriorated Portland cement concrete pavement (PCCP) panels and milling, patching, and overlaying deteriorated asphalt pavement. This IDIQ contract may also include repair, replacement, or installation of curb ramps, sidewalks, and other pedestrian facilities to achieve compliance with the Americans with Disabilities Act (ADA); repair, replacement, or adjustment of existing catch basins, manholes, and other drainage structures; and installation or implementation of intelligent transportation systems (ITS) and operational improvements per DOTD's transportation systems management and operations (TSMO) strategies. These infrastructure improvements will have a positive impact on the community by improving pedestrian, bicyclist, and motorist safety and access to residential, commercial, and industrial areas. Horizon Engineering, LLC (Horizon) has identified the following challenges that will need to be addressed during design to deliver successful projects.

1. CONSTRUCTABILITY

Horizon's personnel have recently provided CE&I services for multiple DOTD and DOTD LPA PCCP panel replacement and asphalt mill/overlay 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 projects remain within budget. Common issues include excessive curb ramp, driveway, and sidewalk slopes affecting ADA compliance, failure to consider obstructions and other potential conflicts during the design phase, and poor sequencing of construction.

2. EFFICIENCY

Minimal design details are necessary for pavement preservation project due to the extensive use of standard plans, tables, simple plans/aerials (for PCCP panel replacement projects), and typical sections (for asphalt mill/overlay projects). The primary goal when preparing pavement preservation contract documents is to clearly identify the work locations and provide accurate estimated quantities as efficiently as possible and without including extraneous information that the contractor does not need. Horizon will staff each task order efficiently and ensure that all time worked has a specific purpose that promotes DOTD's interests, such as public and project site safety, quality of the work, and adherence to the schedule and budget. By only providing the information that is absolutely necessary for the contractor to construct the project, design costs will be significantly reduced, the schedule will be streamlined, and the contract documents will be simplified, which will lead to the contractor having a better understanding of the scope of work.

Detailed topographic surveys are often unnecessary for basic pavement preservation projects or only necessary for limited portions, such as the design of ADA compliant curb ramps. To provide maximum value to DOTD, our Team will utilize advanced measurement technologies when possible, such as drones to collect LiDAR data and aerial photogrammetry, for a fraction of the cost and time of traditional methods. Additionally, our Team includes two surveying firms, each with many survey crews and advanced measurement equipment, to ensure that surveys can be quickly completed regardless of the number of concurrent task orders.

3. BUDGET

The contract documents must include accurate estimated quantities and work locations to facilitate competitive, accurate bids by contractors and avoid cost overruns. We will obtain existing PCCP or asphalt pavement cores where as-builts for the original road construction are unavailable or unreliable to provide better estimates of the actual pavement thickness. Some portions of roads may be significantly deteriorated and need to be fully reconstructed. For these locations, PCCP panel replacement locations, and asphalt mill/overlay locations, we will prepare accurate estimated quantities and opinions of probable construction cost to help DOTD determine if adjustments to the construction scope of work prior to bidding are necessary to accommodate the budget.

4. PROPERTY ACCESS AND TRAFFIC

Typical pavement preservation projects affect many commercial and residential properties, including adjacent businesses and homes. 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 for PCCP panel replacement to minimize the duration of lane/road closures.

5. CONSTRUCTION QUALITY

The quality of construction of PCC and asphalt roads has a major impact on their durability, longevity, and rideability. Common factors that must be considered are:

- Cracking, potholes, and other similar localized failures typically occur due to underlying base issues, such as poor compaction and inadequate drainage. Our Team will include requirements for inspection of the condition of the existing base after PCCP panel/asphalt pavement removal but prior to replacement/patching to ensure that additional base compaction and/or installation is performed if necessary.
- Cracking shortly after concrete placement typically occurs due to improper panel aspect ratios/joint spacing, inadequate contraction joint depth, and too much time elapsing between concrete set and saw cutting of contraction joints. Our Team will clearly specify joint layouts, contraction joint depths, and maximum durations that can elapse before saw cutting joints, preferably within approximately 4 hours.
- Cracking, separation, and other similar deterioration along PCCP joints typically occur due to misaligned dowels, poor concrete consolidation, and debris filling joints. Our Team will include requirements for proper dowel alignment (perpendicular to joints), inspection of concrete placement to verify that concrete is sufficiently consolidated, and verification of preparation/cleaning of joints and interfaces between existing and new PCCP prior to installation of joint filler and/or sealant and concrete placement.
- Excessive roughness and unevenness can negatively impact rideability and typically occur due to improper screed/paver settings. Horizon will include requirements for verification of elevations and slopes, performance of a dry run of the screed/paver, and proper operation of the screed/paver.

6. SIGNALIZED INTERSECTIONS AND ITS INFRASTRUCTURE

Loop detectors and other ITS infrastructure at intersections may need to be replaced if associated PCCP panels are replaced or associated asphalt pavement is milled and overlayed. Our Team will replace the loop detectors in kind or design alternative methods (e.g., cameras) if requested, as well as consider the proximity of work to intersections when developing the Sequence of Construction and TCP.

7. CURB RAMPS

Curb ramps often need to be adjusted during construction to ensure ADA compliance. Our Team 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 each task order safely, correctly, on time, and in accordance with DOTD's requirements:

PRE-DESIGN PHASE

- **Project Set-Up Meeting:** Meet with DOTD 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 pavement thickness, base material and thickness, and joint details.
- **Design Progress Meetings:** Meet with DOTD monthly (or more frequently if desired) throughout design. Prepare agendas and meeting minutes.

- **Field Investigation:** Identify, photograph, classify, and log deteriorated PCCP panels, asphalt pavement localized failures (e.g., potholes), and required curb ramp locations. We will create a user-friendly, interactive map in ArcGIS Online that allows DOTD to view the locations of all deteriorated PCCP panels, asphalt pavement localized failures, 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 deficient pavement to be sorted according to its 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 for review.
- **Topographic Survey:** Establish baseline along each road and temporary benchmarks for horizontal and vertical control. Obtain road, bridge, drainage structure, and guardrail information in accordance with EDSM I.1.1.11. Obtain points at each corner of deteriorated PCCP panels to identify panel coordinates and facilitate accurate estimation of quantities. Obtain points as necessary to delineate asphalt pavement road and driveway limits and facilitate preparation of typical sections. 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 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 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 would like the pavement thickness to be greater than the existing thickness.

DESIGN AND PREPARATION OF PLANS, SPECIFICATIONS, AND OPCC

- **Plan Preparation:** Prepare Plans on 8.5”x11” sheets (or larger if requested) 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 standard plans; base inspection requirements after pavement 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/asphalt patching; and required approvals for PCCP panels to be replaced, asphalt patches, 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 and/or stationing, 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 PCCP panel replacement, asphalt mill/overlay, 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.
  - **Typical Sections (Asphalt Only)**, including pavement section(s), limits of milling/overlay, pavement markings, and other related information.
  - **Plan Sheets (PCCP Only)**, 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/asphalt mill/overlay 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).
- **Specification Preparation**: Prepare nonstandard specifications, such as saw cutting. Assist DOTD 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:** Upload submittals directly to ProjectWise if directed, including:
  - **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.
  - **SWPPP Form**
  - **Constructability Review Form**
  - **Estimated Contract Time Worksheet**
  - **QA/QC Checklist**
  - **Additional Submittals (if requested)**

CONSTRUCTION PHASE

- **Preconstruction Conference**: Attend preconstruction conference with DOTD and Contractor.
- **Requests for Information (RFIs)**: Review RFIs within 48 hours of receipt.
- **Construction On-Call Support**: Visit the project site and assist DOTD and the Contractor with questions and clarifications.

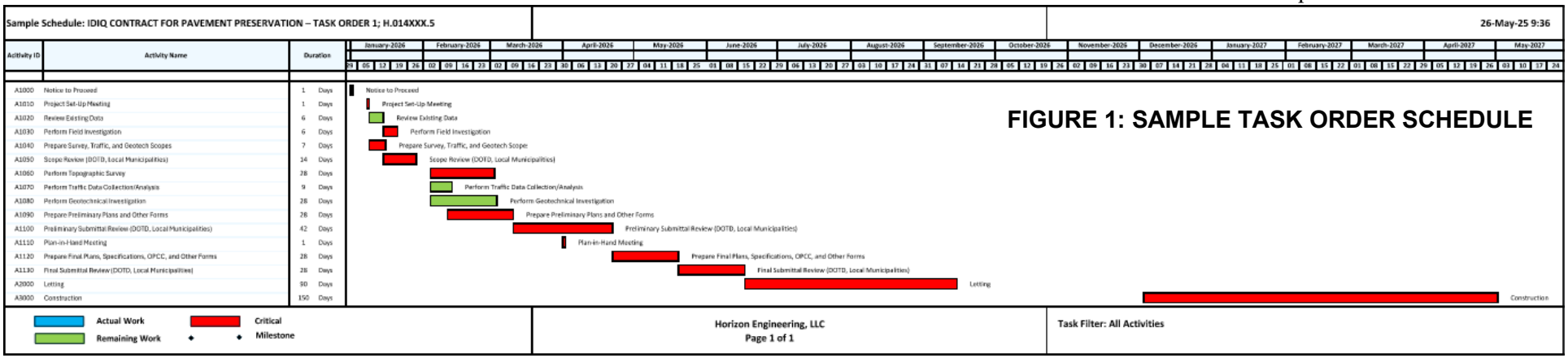


FIGURE 1: SAMPLE TASK ORDER SCHEDULE

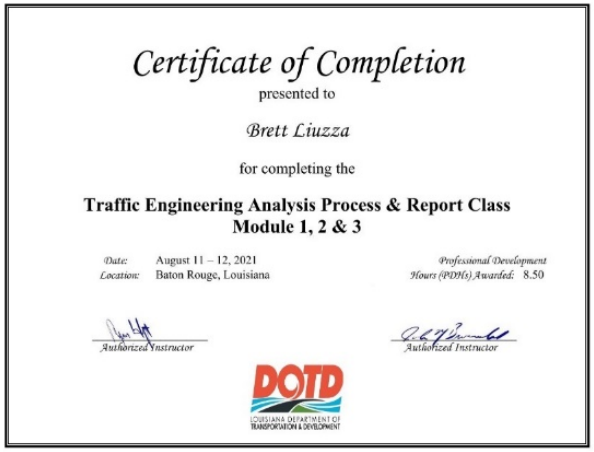
19. Workload:

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	CE&I/OV	Contract No. 4400029428 S. P. No. H.014049.6	St. Bernard Pedestrian Improvements (CE&I)	$106,040
	CE&I/OV	Contract No. 4400029661 S. P. No. H.012868.6	Fortune Road Pavement Preservation (CE&I)	$92,626
	CE&I/OV	Contract No. 4400030048 S. P. No. H.012867.6	S Larriviere Rd: LA 92 – Chemin Metairie (CE&I)	$673,417
Delta Design Professionals LLC	N/A	N/A	N/A	N/A
Forte and Tablada, Inc.	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	$4,017
	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	$1,408,396
	Bridge	4400021594/H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	$68,942
	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	$158,517
	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	$5,244
	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
	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	$7,263
	Survey	4400021532/H.012068.5	LA 1026: Creek Bridge	$10,719
	Survey	4400021532/H.010116.5	LA 1088: Soult & Trinity Roundabouts	$23,987
	Survey	4400021532/H.005734.5	LA 447 Corridor Study	$119,475
	Survey	4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	$461

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Forte and Tablada, Inc.	Survey	4400021974/H.002186.5	UP (Plaquemine)	$73,559
	Survey	4400021974/H.012449.5	H.012449.5 KCS Xings Gayosa St. & Louise	$17,107
	Survey	4400021974/H.016748.5	US 167: Median Improvements	$134,057
	Survey	4400021974/H.012449.5	KCS X'ings Between Gayosa St. & Louise (BTR)	$15,829
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge	$69,054
	Survey	4400025029/H.015341	D61(EBR) IIJA Off-System Bridge - SA 3	$41,123
	Survey	4400004128/H.004273.5	I-49 Connector Additional ROW	$55,766
	Survey	4400027919/H.012072	LA 60: Drain Bridge (Map Rev)	$337
Civil Design & Construction, Inc.	Survey	4400023689/H.013622.5	LSRP Ardenwood Dr	$24,366
	Survey	4400027093/H.015847.5	US90: LA668 - LA318	$49,318
	Survey	4400026911/H.013718	LA 23 – Gretna Blvd.	$13,600
Eustis Engineering L.L.C.	Geotech	DOTD S.P./Task Order No. H.015028.6. Boh Bros. Subcontract No. 23210-009. Boh Bros. Project No. 2321034. Work Order No. 23210-017	Louisiana, State of - Department of Transportation and Development, LA 302: Bayou Barataria Bridge Replacement, Phase 1, Jefferson Parish, Louisiana, Eustis Engineering Project No. 24515.02	$3,440
	Geotech	S.P. No. H.013897. F.A.P. No. H013897. Boh Portion 20274-026	Louisiana, State of - Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana, Project No. B0646	$10,090
	Geotech	LADOTD Contract No. 4400021740. S.P. No. H.004100.6. F.A.P. No. H004100. 11265001.000 I-10 CMAR	Louisiana, State of - Department of Transportation and Development, I-10: LA Highway 415 to Essen Lane on I-10 and I-12, Phase I: West of Washington Street to Essen Lane, Phase I, Segment 01: West of Washington Street to Acadian Thruway, Route I-10, West and East Baton Rouge Parish, Louisiana, Eustis Engineering Project No. B0771	$38,500

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

Debbie Purcella
Instructor Name

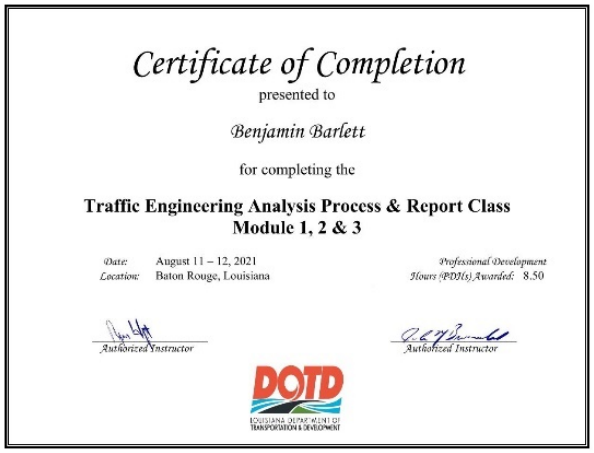
Instructor Signature

V0000047046

Verify at Flagger.com

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

TPCB

The Transportation Professional Certification Board

Certifies that

Benjamin Bartlett, P.E., PTOE

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 3/29/2016

Certification Valid Through: 3/29/2028

Steve Kuciemba,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 4020

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

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

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

V0000046657

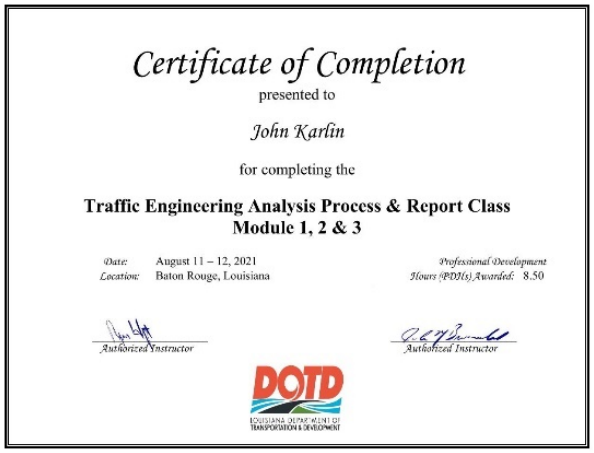
Debbie Purcella
Instructor Name

Instructor Signature

Verify at Flagger.com

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 American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

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
V0000047355

Debbie Purcella
Instructor Name

Instructor Signature

Verify at Flagger.com

11475094

AMPP™ **Certificate of Achievement**

The Association for Materials Protection and Performance Recognizes

John Karlin

As a Certified

Senior Certified Coatings Inspector

Executive Director AMPP

AMPP

Expires
March 28, 2028

Cert No.113357

AMPP

AWARD OF SUCCESSFUL COMPLETION

IS HEREBY GRANTED TO

John Karlin

WHO HAS SUCCESSFULLY COMPLETED THE FOLLOWING COURSE

C3 Supervisor_Competent Person Training for Deleading and Hazardous Coatings Removal

Baton Rouge, LA
Jan 13 - 16, 2025
3.0 CEUs

Jennifer Rogers
Senior Director of Education

ACCREDITED IACET PROVIDER

AMPP is accredited by the International Accreditors for Continuing Education and Training (IACET) and offers IACET CEUs for its learning events that comply with the ANSI/IACET Continuing Education and Training Standard. IACET is recognized internationally as a standard development organization and accrediting body that promotes quality of continuing education and training.

AMPP Association for Materials Protection and Performance (Formally NACE International and SSPC: The Society for Protective Coatings)

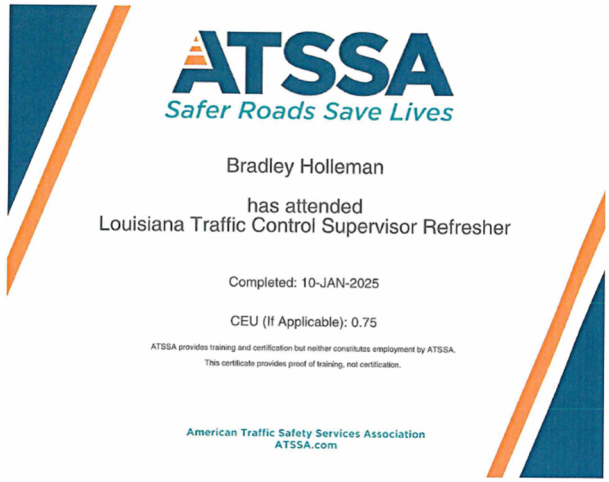
This Certificate of Completion denotes successful completion of an AMPP training course and should not be interpreted as the award of Certification.

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

James "Ken" Free, PE

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

Bradley Holleman, PLS, PE



20. Certifications/Licenses:

Ross Wilson, PLS

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Ross Wilson
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/5/2023 to 4/5/2027
Training Valid Through

Vice President of Edu Saved to this PC echnical Services

Baton Rouge, LA
Location

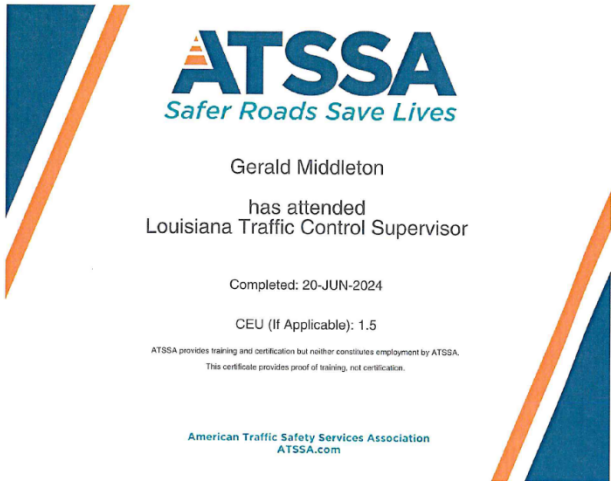
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

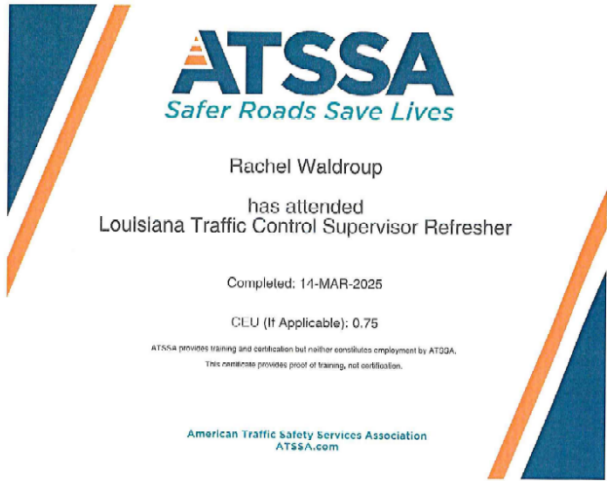
20. <u>Certifications/Licenses:</u>

Jerry Middleton, PLS



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

Rachel Waldroup, PLS



20. Certifications/Licenses:

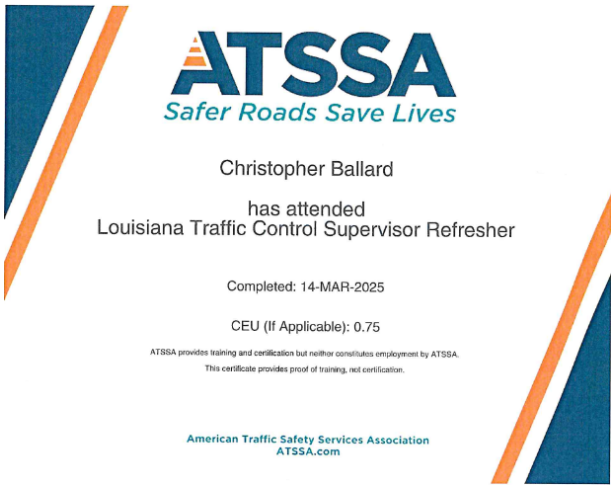
Brent Campbell


I UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION
IV NAME
BRENT MICHAEL CAMPBELL
V ADDRESS 4811 JUNIPER PARK DR
BATON ROUGE LA 70816-4866
VI NATIONALITY USA
IVa D.O.B. 4 JUN 1990
SEX HEIGHT WEIGHT HAIR EYES
M 70 175 BROWN BROWN
IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF
II REMOTE PILOT
III CERTIFICATE NUMBER 3956975
X DATE OF ISSUE 16 JAN 2017
XIV
VIII ADMINISTRATOR
U
A
S


ATSSA
Safer Roads Save Lives
Brent Campbell
has attended
National Flagger Certification Training Course
Completed: 14-JUN-2024
CEU (If Applicable): 0
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association
ATSSA.com

20. Certifications/Licenses:

Chris Ballard, PLS



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

Madison Mills, PLS

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Madison Mills
has attended
Louisiana Traffic Control Supervisor
Training Course

7/12/2023 to 7/12/2027
Training Valid Through

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that

MADISON MILLS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/1/2023

Exp. Date 8/1/2027

State Issued LA

Debbie Purcella
Instructor Name

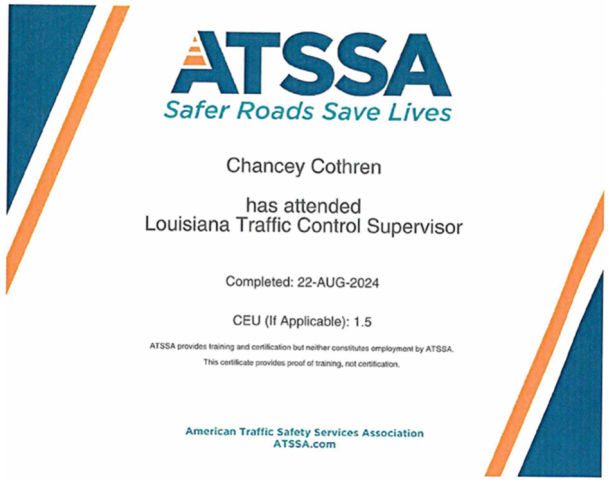
Debbie Purcella
Instructor Signature

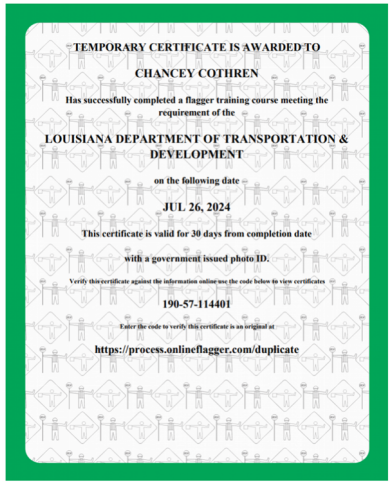
V0000201560

Verify at Flagger.com

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

Chancey Cothren, LSI





***Renewed flagger certification in May 2025 and currently awaiting new flagger card**

20. Certifications/Licenses:

Clarence Goodspeed

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Clarence Goodspeed
has attended
Traffic Control Technician-LA State Specific
Training Course

4/26/2022 to 4/26/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that

CJ Goodspeed

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/23/2022

Exp Date 3/22/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

A1000054514

Verify at Flagger.com

20. Certifications/Licenses:

Tracey Smith

***Renewed flagger certification in May 2025 and currently awaiting new flagger card**

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State


Louisiana SECRETARY OF STATE NANCY LANDRY HOME

Search for Louisiana Business Filings

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 HOME

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Print Annual Report for Filing | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
DELTA DESIGN PROFESSIONALS LLC	Limited Liability Company	WINNSBORO	Active

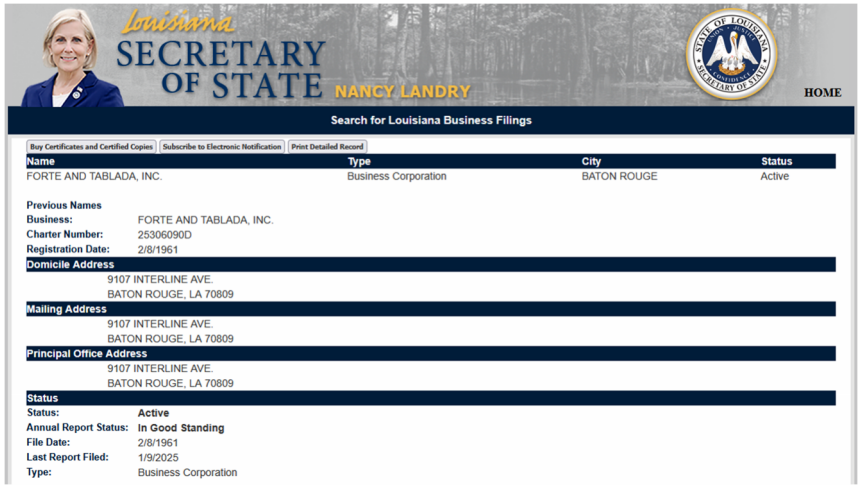
Previous Names
Business: DELTA DESIGN PROFESSIONALS LLC
Charter Number: 44462763K
Registration Date: 6/15/2021

Domicile Address
4141 HWY 577
WINNSBORO, LA 71295

Mailing Address
4141 HWY 577
WINNSBORO, LA 71295

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 6/15/2021
Last Report Filed: 6/27/2024
Type: Limited Liability Company

Delta Design Professionals LLC


Louisiana SECRETARY OF STATE NANCY LANDRY HOME

Search for Louisiana Business Filings

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

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 HOME

Search for Louisiana Business Filings

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

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

Previous Names
Business: CIVIL DESIGN & CONSTRUCTION, INC.
Charter Number: 35961196D
Registration Date: 6/15/2005

Domicile Address
3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Mailing Address
P O BOX 857
PORT ALLEN, LA 70767

Principal Office Address
3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 6/15/2005
Last Report Filed: 5/20/2025
Type: Business Corporation

Civil Design & Construction, Inc.

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State (Continued)

Louisiana SECRETARY OF STATE NANCY LANDRY

HOME

Search for Louisiana Business Filings

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

Name	Type	City	Status
EUSTIS ENGINEERING L.L.C.	Limited Liability Company	METAIRIE	Active

Previous Names

EUSTIS ENGINEERING SERVICES, L.L.C. (Changed: 3/31/2016)

Business: EUSTIS ENGINEERING L.L.C.
Charter Number: 36251453K
Registration Date: 8/17/2006

Domicile Address

3011 28TH STREET
METAIRIE, LA 700026019

Mailing Address

C/O GWENDOLYN P. SANDERS
3011 28TH ST.
METAIRIE, LA 700026019

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 8/17/2006
Last Report Filed: 7/22/2024
Type: Limited Liability Company

Eustis Engineering L.L.C.

20. Certifications/Licenses:

Civil Design & Construction, Inc. DBE Certification

RTA DOTD

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & under the State of Louisiana United Certification Program (LAUCP)

Civil Design & Construction, Inc.

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330, NC541340, NC541350, NC541370

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: March 2025 to March 2026

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

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**
Delta Design Professionals LLC	4141 Hwy 577 Winnsboro, LA 71295	James "Ken" Free, PE ken.free@deltadp.com	(318) 729-9035
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., PE, MBA jcoco@forteandtablada.com	(225) 927-9321
Civil Design & Construction, Inc.	3251 Southern Pacific Road Port Allen, LA 70767	Karla E. Weston, PE kweston@cdcbr.com	(225) 765-1802
Eustis Engineering L.L.C.	3011 28th Street Metairie, LA 70002	Gwendolyn P. Sanders, PE gsanders@eustiseng.com	(504) 834-0157

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**.