

**CONTRACT NO. 4400035103
STATE PROJECT NO. H.014581.6
PETERS ROAD BRIDGE & EXTENSION
PHASE 2A (CE&I)**

MAY 6, 2026



**SUBMITTED BY:
HORIZON ENGINEERING, LLC**



**110 VETERANS MEMORIAL BLVD, STE 430
METAIRIE, LOUISIANA 70005**

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

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

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

1. Contract Name as shown in the advertisement	PETERS ROAD BRIDGE & EXTENSION PHASE 2A (CE&I)
2. Contract Number(s) as shown in the advertisement	4400035103
3. State Project Number(s), if shown in the advertisement	H.014581.6
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	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	110 Veterans Memorial Blvd, Ste 430 Metairie, LA 70005
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	110 Veterans Memorial Blvd, Ste 430 Metairie, LA 70005
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.)

HORIZON ENGINEERING, LLC

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 6, 2026

Date:

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

Firm(s):

N/A

Firm(s)' %:

N/A

12. Discipline Table:

Discipline(s)	% of Overall Contract	Horizon Engineering, LLC (Prime)	Professional Service Industries, Inc.	Each Discipline must total to 100%
CE&I/OV	100%	95%	5%	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%	95%	5%	100%

13. Team Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
 Horizon Engineering, LLC	Principal	1	3
	Supervisor - Eng	1	3
	Supervisor - Other	0	1
	Engineer	2	4
	Engineer Intern	0	2
	Project Office Manager	1	1
	Inspector - Lead	1*	1
	Inspector - Certified	1*	2
	Inspector	2*	5
	Inspector - Bridge	0	1
 Professional Service Industries, Inc.	Principal	1	2
	Supervisor - Other	1	2
	Engineer	1	3
	Project Office Manager	1	2
	Technician	13*	14
	Administrative	1	3

*Based on the project's scope of work, we anticipate that only two full-time certified inspectors will be required; however, we can provide additional inspectors and technicians to assist with field and office tasks, such as field inspections, precast plant inspections, construction materials sampling/testing, and HeadLight/SiteManager duties, if necessary due to the contractor's manpower allocation, construction schedule, work hours, and other similar factors.

14. Organizational Chart:**Legend**

- ▲ LaDOTD Certified Inspector
- Work Zone Training (ATSSA Certified TCS, TCT, and Flagger)
- † Traffic Engineering Process and Report (TEPR) Training

Principal-in-Charge
John Karlin, SE, PE▲●†

Project Engineer
Brett Liuzza, PE●†
Assistant Project Engineer
Collin Gillen, PE●†
QA/QC
Ben Bartlett, PE, PTOE●†

Primary Inspectors

Jeff Puissegur▲●
Keith Schulz▲●

Backup Inspectors

Jack Burnett●
Anthony St. Philip*
Evan Mire*

Project Office Manager

Paul Beaulieu, EI●

Sampling/Testing Support

Reda Bakeer, PhD, PE
Smith Bennie Benson, PE
Lucas Patterson
Gregory Richards
Lance Temple
Terence Harris

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	9/30/2027
	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	9/30/2027
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2028
4	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2027
	Reda Bakeer, PhD, PE, F.ASCE, D.GE.	Professional Service Industries, Inc.	PE #27123 – Civil	LA	9/30/2027

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Brett Liuzza, PE		Years of relevant experience with this employer	2
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 / 9/30/2027		
Year registered	2013	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		Role: Project Engineer (Satisfies MPRs 1, 2, 3, and 4) Responsibilities: Construction administration (including HeadLight and SiteManager duties), construction engineering, management of inspectors, and coordination with DOTD, Jefferson Parish, and other stakeholders.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/08 – Present	- Nearly 20 years of construction administration and construction engineering experience, including many recent LaDOTD and LaDOTD LPA CE&I projects in District 02. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.			
04/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Project Engineer. Managed inspectors. Reviewed submittals. Performed HeadLight and SiteManager duties. Coordinated construction materials testing. Prepared change orders.			
10/18 – 10/23	H.007271.6 – Canal Blvd (R.E. Lee – Amethyst) Owner: City of New Orleans (LaDOTD LPA project). Scope: Replacement of asphalt roadway (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water, improvements. Cost: ≈\$6,800,000. Role: Project Engineer. Managed 2 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Performed SiteManager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.			
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 curb ramps) and drainage, sewer, and water improvements. Cost: ≈\$5,900,000. Role: Project 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 road. Performed SiteManager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.			
09/20 – 07/22	Milneburg Group B (FRC) Owner: City of New Orleans. Scope: Replacement of asphaltic concrete roadway and drainage, sewer, and water improvements (14 blocks). Cost: ≈\$8,300,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.			

Brett Liuzza, PE (Continued)

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 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.
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.
07/23 – 01/24	H.011779.6 – Power Blvd Median Improvements 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/bicyclist truss bridge over Canal No. 1. Cost: ≈\$3,400,000. Role: Assistant Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Performed Site Manager duties. Coordinated construction materials testing. Prepared change orders.
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, curbs, driveways, and curb ramps. Cost: ≈\$1,000,000. Role: Project 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 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, curbs, driveways, and curb ramps. Cost: ≈\$970,000. Role: Project 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 road. Prepared change orders and project closeout documentation.
04/25 – 02/26	H.012868.6 – Fortune Road Pavement Preservation Owner: City of Youngsville (LaDOTD LPA project). Scope: Milling, patching, and overlay of existing asphalt road (≈1.1 miles). Cost: ≈\$510,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Performed HeadLight and SiteManager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
03/25 – 03/26	H.014049.6 – St. Bernard Pedestrian Improvements Owner: LaDOTD. Scope: Pedestrian facility improvements, including rectangular rapid-flashing beacons, signage, high visibility crosswalks, pavement markings, a pedestrian refuge island, ADA compliant curb ramps, sidewalks, handrails, and other associated features. Cost: ≈\$500,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs and submittals. Coordinated construction materials testing. Prepared change orders.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Ben Bartlett, PE, PTOE		Years of relevant experience with this employer	2
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			Master of Civil Engineering / 2010 / Civil Engineering Bachelor of Science / 2008 / Civil/Environmental Engineering	
Active registration number / state / expiration date			PE: 38980 / LA / 9/30/2026 PTOE: 4020 / USA / 3/29/2028	
Year registered	PE: 2014 PTOE: 2016	Discipline	Civil Engineer Professional Traffic Operations Engineer	
Contract role(s) / brief description of responsibilities			Role: Quality Assurance/Quality Control (Satisfies MPRs 1, 2, and 3) Responsibilities: QA/QC of construction administration, construction engineering, inspection, and temporary traffic control.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/10 – Present	- Nearly 20 years of construction administration and construction engineering experience, including many recent LaDOTD and LaDOTD LPA CE&I road improvement projects in District 02. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - 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.			
02/16 – 10/18	West Esplanade Avenue Canal Crossing (Between Williams Boulevard and David Drive) Owner: Jefferson Parish. Scope: Installation of ≈1,100 feet of 96-inch RCPA and a confluence box to transfer water from existing and future commercial developments and facilitate installation of a crossing over the West Esplanade Canal (Canal No. 2). Cost: ≈\$730,000. Role: Project Engineer. Performed hydraulic and hydrologic analysis and design. Designed grading, drainage pipes and structures, headwalls, wingwalls, U-turns, roadway drainage, and other miscellaneous improvements. Prepared plans, specifications, and opinions of probable construction cost. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Prepared project closeout documentation.			
12/14 – 05/22	H.011731 – W. Esplanade Bridges @ Duncan Canal Owner: LaDOTD. Scope: Replacement of bridges with reinforced concrete box culverts (two 38’x13’ cells and two 14’x8’ cells). Cost: ≈\$14,000,000. Role: Lead Civil Engineer. Performed hydrologic and hydraulic modeling (updated Jefferson Parish’s East Bank drainage model), analysis, and design. Designed geometry of junction between Duncan Canal and Canal No. 2 to minimize turbulence and obtain a “No Rise” certificate. Designed apron slab and wingwall geometry and drainage pipe connections. Prepared opinions of probable construction cost. Reviewed RFIs and submittals. Performed periodic site visits to assist with site specific challenges.			
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 Engineer. Coordinated priority system testing and advised on priority system requirements and operational gaps. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Prepared change orders.			

Ben Bartlett, PE, PTOE (Continued)

01/20 – 07/20	Geisenheimer Canal Improvements (Loumor Outfall Ditch to Hoey's Canal) Owner: Jefferson Parish. Scope: Design of box culvert connecting Loumor Outfall Ditch and Woodvine Ditch to Hoey's Canal (12'x8' precast concrete boxes and 3 cast-in-place concrete junction boxes). Cost: ≈\$13,000,000 (est.). Role: Lead Civil Engineer. Performed hydrologic and hydraulic modeling, analysis, and design. Reviewed Parish-wide drainage master plan and models to determine applicable drainage basin and affected drainage systems. Designed geometry of junction box at Hoey's Canal to minimize turbulence. Designed drainage pipes, drainage structures, and miscellaneous site features. Prepared opinions of probable construction cost.
05/23 – 01/24	H.011779.6 – Power Blvd Median Improvements 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 Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Performed SiteManager duties. Coordinated construction materials testing. Prepared change orders. During construction, re-evaluated the location of a pedestrian crossing at Vintage Dr. and prepared a report that identified an improved crossing location based on vehicular and pedestrian traffic data as well as existing site features.
03/25 – 03/26	H.014049.6 – St. Bernard Pedestrian Improvements Owner: LaDOTD. Scope: Pedestrian facility improvements, including rectangular rapid-flashing beacons, signage, high visibility crosswalks, pavement markings, a pedestrian refuge island, ADA compliant curb ramps, sidewalks, handrails, and other associated features. Cost: ≈\$500,000. Role: QA/QC Manager. Performed QA/QC reviews, including review of HeadLight and SiteManager data, RFIs, submittals, pay applications, and change orders.
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 curb ramps. Cost: ≈\$970,000. Role: Assistant Project Engineer. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Reviewed construction materials testing. Developed adjustments to curb ramps based on existing site conditions. Reviewed change orders and project closeout documentation.
10/25 – Present	H.014737.6 – Signal Upgrade: Sgt Alfred Dr @ Cleveland Owner: City of Slidell (LaDOTD LPA project). Scope: Replacement of existing wire mounted traffic signals with mast arm mounted traffic signals and installation of new crosswalks and pedestrian signals. Cost: ≈\$380,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Performed HeadLight and SiteManager duties. Coordinated construction materials testing.
01/21 – 06/23	Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Structural inspection and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). Cost: ≈\$13,000,000. Role: Assistant Project Engineer. Managed 4 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Assisted with development of adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement and development of field adjustments for emergency deck repairs to replace failed expansion joint with only weekend road closures. Prepared change orders and project closeout documentation.
10/24 – 11/24	TTC Plans for Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Private. Scope: Temporary traffic control plans to facilitate bridge coating and installation of associated temporary works, such as containment systems and work platforms. Role: Lead Traffic Engineer. Designed lane closures, full road closures, and associated detours involving federal highways, state highways, and local streets, including Airline Dr. (US 61) and Causeway Blvd. (LA 3046).

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	John Karlin, SE, PE		Years of relevant experience with this employer	2
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			Master of Science / 2017 / Civil (Structural) Engineering Bachelor of Science / 2016 / Civil Engineering	
Active registration number / state / expiration date			PE: 44795 / LA / 3/31/2027 SE: 081-008511 / IL / 11/30/2026	
Year registered	PE: 2020 SE: 2020	Discipline	Civil Engineer and Structural Engineer Structural Engineer	
Contract role(s) / brief description of responsibilities			Role: Principal-in-Charge (Satisfies MPRs 1, 2, and 3) Responsibilities: Contract administration and coordination with Jefferson Parish, DOTD, and other stakeholders.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/17 – Present	- Nearly 10 years of construction administration and construction engineering experience, including LaDOTD and LaDOTD LPA projects. - Satisfies National Bridge Inspection Standards (NBIS) qualification requirements for Bridge Inspection Program Manager and Team Leader (completed FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers). - Certified by LaDOTD in Structural Concrete - AMPP (Formerly NACE/SSPC) Senior Certified Coatings Inspector (CIP Level 3). - AMPP C3 Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.			
01/20 – 07/20	Geisenheimer Canal Improvements (Loumor Outfall Ditch to Hoey’s Canal) Owner: Jefferson Parish. Scope: Design of box culvert connecting Loumor Outfall Ditch and Woodvine Ditch to Hoey’s Canal (12’x8’ precast boxes and 3 cast-in-place concrete junction boxes). Cost: ≈\$13,000,000 (est.). Role: Project Manager and Lead Structural Engineer. Designed precast boxes, cast-in-place reinforced concrete junction box, and curved cast-in-place reinforced concrete transition section for HL-93 vehicular live load and other miscellaneous components. Prepared plans, specifications, and opinions of probable construction cost.			
05/16 – 05/22	H.011731 – W. Esplanade Bridges @ Duncan Canal Owner: LaDOTD. Scope: Replacement of bridges with reinforced concrete box culverts (two 38’x13’ cells and two 14’x8’ cells). Cost: ≈\$14,000,000. Role: Structural Engineer. Designed reinforced concrete base slab, walls, pipe penetrations, top slab, columns, girder, wingwalls, and apron slab considering LADV-11 and HL-93 vehicular live load. Reviewed RFIs and submittals.			
04/20 – 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 roadway, drainage, and lighting improvements (5.2 miles long). Cost: ≈\$50,000,000. Role: Assistant Project Engineer. Performed reinforcement inspections. Reviewed RFIs and submittals. Assisted with review of pay applications and preparation of change orders and project closeout documentation.			

John Karlin, SE, PE (Continued)

04/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts, curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Principal-in-Charge and Assistant Project Engineer. Coordinated with City of Youngsville, DOTD, and the Contractor. Reviewed multiple precast concrete box culvert submittals and coordinated with the Contractor and manufacturer to ensure that adequate project-specific details were provided. Coordinated with the Entity, Engineer of Record, and Contractor to ensure that all necessary as-designed load rating information, including load ratings for the modified design prepared by the manufacturer, was submitted to DOTD so that the precast concrete box culverts could be added to the bridge inventory and inspected prior to opening the road to traffic.
01/21 – 06/23	Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Structural inspection and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). Cost: ≈\$13,000,000. Role: Project 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 (OPCC). Managed 4 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. 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. Prepared change orders and project closeout documentation.
11/24 – 04/25	Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Coating of portion of 1950s elevated interchange (2 ramps and 4 lane overpass), including containment system installation; solvent cleaning, waterjet cleaning, and abrasive blast cleaning; and application of a three-coat system. Cost: ≈\$5,400,000. Role: Coating Quality Assurance Manager. Reviewed submittals, including Contractor’s quality control plan, surface preparation and coating application plans, and quality control documentation. Performed coating inspections, including visual inspections and environmental conditions, soluble salts, surface profile, and dry film thickness testing.
10/23 – 01/24	H.004791 – Belle Chasse Bridge and Tunnel Replacement (Public-Private Partnership Project) Owner: United States Army Corps of Engineers (USACE)/LaDOTD. Scope: Replacement of 2-lane vertical lift Judge Perez Bridge and 2-lane Belle Chasse Tunnel with 4-lane fixed bridge over GIWW. Cost: ≈\$130,000,000. Role: Safety Assurance Review (SAR) Panel Lead Structural Reviewer. Led structural review in accordance with USACE SAR requirements. Visited site and reviewed plans, specifications, and structural analyses/calculations for vertical lift bridge demolition, tunnel decommissioning, and replacement of tunnel flood gates with permanent floodwalls considering the effect of construction on nearby existing levees and floodwalls. Identified potential public safety issues.
05/24 – 11/24	Lakefront Airport Drainage Improvements – Phase 1 Owner: Lakefront Management Authority. Scope: Construction of a reinforced concrete reservoir (approximately 123’x43’x28’ deep) for a future 600 CFS pump station. Cost: ≈\$13,000,000. Role: Lead Structural Independent Technical Reviewer for pump station temporary retaining structure (TRS). Reviewed pump station TRS design and calculations and associated plans, specifications, geotechnical report, and construction phase geotechnical investigation information. Prepared independent calculations for approximate TRS force effects and TRS components, including sheeting, walers, and struts. Prepared report summarizing the independent technical review.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Collin Gillen, PE		Years of relevant experience with this employer	<1
Title	Civil Engineer		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		Bachelor of Science / 2020 / Civil Engineering		
Active registration number / state / expiration date		49017 / LA / 9/30/2026		
Year registered	2024	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		Role: Assistant Project Engineer Responsibilities: Construction administration (including HeadLight and SiteManager duties), construction engineering, management of inspectors, and coordination with DOTD, Jefferson Parish, and other stakeholders.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/20 – Present	- Over 5 years of construction administration and construction engineering experience, including LaDOTD CE&I projects. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.			
02/26 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Assistant Project Engineer. Managed inspectors. Performed HeadLight and SiteManager duties. Coordinated construction materials testing. Prepared change orders.			
01/21 – 01/24	H.007273.6 – Magazine St (Leake Ave to East Drive) Owner: City of New Orleans (LaDOTD LPA project). Scope: Replacement of asphalt road with PCC pavement road (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. Cost: ≈\$5,900,000. Role: Assistant Project 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 road. Performed SiteManager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.			
09/23 – 03/25	H.011779.6 – Power Blvd. Median Improvements 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 Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders.			
05/23 – 12/23	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: Assistant Project 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.			

Collin Gillen, PE (Continued)

09/23 – 06/24	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 curb ramps. Cost: ≈\$970,000. Role: Assistant Project 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.
06/24 – 01/26	H.014681.6 – Nine Mile Point Road: US 90 – LA 18 Owner: Jefferson Parish (LaDOTD LPA project). Scope: Milling, patching, and overlay of existing asphalt road. Cost: ≈\$1,500,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
06/24 – 01/26	H.014642.6 – PR 929 Overlay: US 61 – Parker Rd. Owner: Ascension Parish (LaDOTD LPA project). Scope: Milling, patching, and overlay of asphalt road (≈2.4 miles). Cost: ≈\$1,100,000. Role: Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
01/21 – 6/23	Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Structural inspection and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). Cost: ≈\$13,000,000. Role: Assistant Project Engineer. Managed 4 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement. Prepared change orders and project closeout documentation.
09/24 – 09/25	Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Coating of portion of 1950s elevated interchange (2 ramps and 4 lane overpass), including containment system installation; solvent cleaning, waterjet cleaning, and abrasive blast cleaning; and application of a three-coat system. Cost: ≈\$5,400,000. Role: Project Engineer. Managed inspector and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
05/20 – 02/24	Lake Pontchartrain Causeway Southbound Bridge Rail Improvements Owner: GNOEC. Scope: Installation of enhanced steel bridge rails and other miscellaneous repairs (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.
10/20 – 01/26	Widening of Causeway Boulevard (Airline Drive to West Napoleon Avenue) Owner: Jefferson Parish. Scope: Widening of existing 4-lane road and area-wide drainage improvements (1.0 miles of road and drainage). Cost: ≈\$19,000,000. Role: Civil Engineer. Reviewed design of 15” to 72” RCP drainage system and tie-ins to surrounding drainage system. Designed asphalt pavement, concrete curb and gutter, pavement markings, sequence of construction, and temporary traffic control plan while accounting for site-related challenges, such as significant traffic demands, limited right-of-way, congestion of existing drainage and utilities, and the need to sequence construction to minimize disruptions to traffic.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Paul Beaulieu, EI		Years of relevant experience with this employer
Title	Construction Manager		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization	Bachelor of Science / 2002 / Civil Engineering		
Active registration number / state / expiration date	EI: 20666 / LA / 3/31/2026		
Year registered	2003	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role: Project Office Manager Responsibilities: Assist Project Engineer and Inspectors with construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/03 – Present	- Nearly 25 years of construction management experience. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - Experience with Primavera P6 (CPM), Navisworks (BIM), USACE Resident Management System (RMS), Procore, and various other project and construction management software.		
09/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Construction Manager. Managed inspectors. Reviewed quantities. Performed HeadLight and SiteManager duties.		
10/25 – Present	Louisiana Ave., Harmony St., & Seventh St. Wharf Substructure Repairs (CMAR) Owner: Port of New Orleans. Scope: Rehabilitation of 1950s wharf and two 1970s wharves along Mississippi River (approximately 4,300 steel pipe piles and H-piles, 500,000 square feet of cast-in-place and precast reinforced concrete deck, and 4,000 feet of steel sheet pile bulkhead) and repair of a large deck failure (approximately 6,000 square feet). Cost: ≈\$40,000,000 (est.). Role: Construction Manager and Scheduler. Currently providing construction management and independent cost estimating services (including design reviews) in accordance with the CMAR project delivery method. Reviewed cost proposals and prepared independent cost estimates. Coordinated with Contractor and other project stakeholders. For first construction phase, managed inspector, performed inspections, reviewed RFIs and submittals, reviewed daily work records (DWRs), and prepared change orders and project closeout documentation.		
10/25 – Present	Woodhouse Grain Elevator Improvements Owner: Port of Houston Authority. Scope: Grain elevator improvements, including three new 72’ diameter by 138’ tall reinforced concrete grain silos and associated conveyors, new reinforced concrete rail receiving pit and associated rail improvements, and replacement of existing conveyors and east shiploader. Cost: ≈\$70,000,000. Role: Construction Manager. Managed inspectors. Reviewed daily work records (DWRs). Coordinated with Contractor and other project stakeholders.		
01/26 – Present	H.015469.5 – Shreveport Pymt Prgrm (Panel Replace) Owner: City of Shreveport (LaDOTD LPA project). Scope: Rehabilitation of nine road segments (≈7.0 miles total), including replacement of deteriorated concrete panels and installation of curb ramps and sidewalks. Cost: ≈7,500,000 (est.). Role: Drafter. Prepared plans.		

Paul Beaulieu, EI (Continued)

2019 – 2025	Construction/CMAR/Civil/Scheduling Consultant Role: Consultant. Scope: Provided CMAR planning, scheduling, project management, and quality control management services, including using Primavera P6, Procore, Navisworks Manage, and USACE Resident Management System (RMS), for various projects, such as: - University of Louisiana at Lafayette, Cajun Field Renovations - Lafayette Parish School System, Prairie Elementary School - Lafayette Parish School System, Carencro Bob Lilly Elementary School USACE, Angola Camp F Ring Levee
2016 – 2019	Balfour Beatty Role: Project Manager. Scope: Managed multiple contracts (\$70M total) for the Torrance Unified School District in Los Angeles, California, including managing schedules, the buyout process, and change orders.
2015 – 2016	Construction/Civil Design Consultant Role: Consultant. Scope: Provided scheduling, project management, civil design (including drainage and foundations), and drafting services.
2007 – 2015	Hensel Phelps Role: Multiple roles, including Design Manager, Project Engineer, and Office Engineer. Scope: Managed the buyout process, contracts, demolition, site MEP and civil work, and the closeout process for the Southwest Airline Terminal 1 Improvements project (\$500M) and Air New Zealand Hangar Innovation project (\$3M) at Los Angeles International Airport. Managed schedules, subcontractors, 3D BIM coordination/commissioning, billing, and change orders for the Central Region Elementary School #20 and #22 projects (\$41M and \$38M, respectively) in Los Angeles, California. Performed scheduling, surveying, and drafting and managed monthly billing for the Los Angeles Unified School District, Robert F. Kennedy Community Schools project at the former Ambassador Hotel site (over \$578M) in Los Angeles, California.
2003 – 2007	Freyou, Moore & Associates Role: Engineer. Scope: Supervised all aspects of over 300 engineering projects, including civil design, surveying drafting, contract writing, and plan detailing.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Jeff Puissegur		Years of relevant experience with this employer	2
Title	Senior Inspector		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		Bachelor of Arts / 1999 / Social Science Associate of Arts / 1996 / Business Management		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Role: Primary Inspector Responsibilities: Inspection and construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
2008 – Present	- Nearly 20 years of inspection experience, including many recent LaDOTD and LaDOTD LPA CE&I projects. - Certified by LaDOTD in Embankment and Base Course, PCC Paving, and HMA (Asphalt Concrete) Paving (currently pursuing Structural Concrete certification) - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.			
05/19 – 08/20	H.011798.6 – Airline Park Blvd (Camphor – W Napoleon) Owner: Jefferson Parish (LaDOTD LPA project). Scope: Replacement of asphalt roadway and PCC pavement roadway (including curb, driveways, sidewalks, and curb ramps); drainage, sewer, and water improvements; and installation of drainage pump station and associated canal bank sheeting and riprap . Cost: ≈\$6,000,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs and the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.			
04/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with coordination of construction materials testing.			
01/22 – 02/23	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 curb ramps) and drainage, sewer, and water improvements. Cost: ≈\$5,900,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs and the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.			

Jeff Puissegur (Continued)

01/13 – 04/16	Jefferson Parish Submerged Roadways Program Owner: Jefferson Parish. Scope: Evaluation of Hurricane Katrina related roadway damage and repair/replacement of deficient roadways (85 PCC pavement streets and 8 miles of asphaltic concrete roadway). Cost: ≈\$50,000,000 (est.). Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs and the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway. Assisted with the preparation of project closeout documentation.
05/24 – 08/24	H.011775.6 – US 11 & US 190 Bicycle and Ped Crossings Owner: LaDOTD. Scope: Intersection improvements at US 11/US 190, including milling, patching, and overlay of asphalt and replacement of asphalt with PCC pavement; installation of traffic signals (vehicular and pedestrian), concrete sidewalks, and crosswalks; and drainage structure modifications. Cost: ≈\$1,200,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.
03/25 – 10/25	H.014049.6 – St. Bernard Pedestrian Improvements Owner: LaDOTD. Scope: Pedestrian facility improvements, including rectangular rapid-flashing beacons, signage, high visibility crosswalks, pavement markings, a pedestrian refuge island, ADA compliant curb ramps, sidewalks, handrails, and other associated features. Cost: ≈\$500,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Obtained material samples and assisted with coordination of construction materials testing. Assisted with the review of RFIs. Prepared redline as-built plans.
08/24 – 11/24	H.014642.6 – PR 929 Overlay: US 61 – Parker Rd. Owner: Ascension Parish (LaDOTD LPA project). Scope: Milling, patching, and overlay of asphalt road (≈2.4 miles). Cost: ≈\$1,100,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with the review of RFIs. Prepared redline as-built plans.
07/16 – 05/20	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 roadway, drainage, and lighting improvements (5.2 miles long). Cost: ≈\$50,000,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with coordination of construction materials testing. Assisted with the review of RFIs. Assisted with the preparation of project closeout documentation.
07/08 – 02/10	LPV-113 Michoud Slip/Canal Levee Owner: USACE. Scope: Raising of levee, levee enlargement, channel excavation, foreshore protection works, levee scour protection, and relief wells in accordance with USACE HSDRRS between Michoud Canal and the Michoud Slip. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs. Assisted with the preparation of project closeout documentation.
02/10 – 11/12	LPV-104.01a London Avenue Canal to IHNC Owner: USACE. Scope: Raising of multiple levee ramps in accordance with USACE HSDRRS between London Avenue Canal and IHNC. Cost: ≈\$14,000,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs. Assisted with the preparation of project closeout documentation.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Keith Schulz		Years of relevant experience with this employer	1
Title	Inspector		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		Bachelor of Science / 2012 / Construction Management		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Role: Primary Inspector Responsibilities: Inspection and construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/12 – Present	- Over 12 years of inspection experience, including LaDOTD and LaDOTD LPA CE&I projects. - Certified by LaDOTD in HMA (Asphalt Concrete) Paving and has completed all Embankment and Base Course certification written exams (currently awaiting performance evaluation availability). - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.			
04/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with coordination of construction materials testing.			
04/25 – 08/25	H.012868.6 – Fortune Road Pavement Preservation Owner: City of Youngsville (LaDOTD LPA project). Scope: Milling, patching, and overlay of existing asphalt road (≈1.1 miles). Cost: ≈\$510,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with coordination of construction materials testing. Prepared redline as-built plans.			
04/21 – 12/21	Milneburg Group B (FRC) Owner: City of New Orleans. Scope: Replacement of asphalt roadway and drainage, sewer, and water improvements. Cost: ≈\$8,300,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Prepared redline as-built plans.			
04/21 – 09/21	Mid-City Group B Streets Owner: City of New Orleans. Scope: Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; installation of ADA compliant curb ramps; and drainage, sewer, and water improvements (111 blocks). Cost: ≈\$24,000,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Prepared redline as-built plans.			
04/21 – 05/23	Black Pearl Group B Streets Owner: City of New Orleans. Scope: Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; and drainage, sewer, and water improvements (18 blocks). Cost: ≈\$6,600,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Prepared redline as-built plans.			

Keith Schulz (Continued)

09/20 – 04/21	Audubon Group A Streets Owner: City of New Orleans. Scope: Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; installation of ADA compliant curb ramps; and drainage, sewer, and water improvements (89 blocks). Cost: ≈\$9,400,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.
02/22 – 04/22	Extension of Taxiway Golf and Taxiway Bravo NOAB Project No. TWY G-1234 & TWY B-1235 Owner: New Orleans Aviation Board. Scope: Extension of Taxiway Golf to the end of Runway 11 (≈1,500 feet), extension of Taxiway Bravo to Taxiway Golf, and associated lighting and signage improvements. Cost: ≈\$50,000,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Prepared redline as-built plans.
01/17 – 09/20	Heavy Civil Construction Experience Scope: Various heavy civil construction projects, including demolition, pile driving, earthwork, drainage, utilities, asphalt pavement, and PCC pavement. Role: Multiple roles, including Project Manager and Estimator. Reviewed bid advertisements and prepared quantity takeoffs. Reviewed plans and specifications and prepared work plans for field personnel. Managed field personnel and coordinated with subcontractors. Resolved field and contract issues with owner and field personnel. Prepared RFIs, submittals, and change order requests.
01/16 – 01/17	Surveying Experience Scope: Surveying for various site development, road, and drainage projects. Role: Survey Technician. Assisted with topographic surveying, including establishing vertical and horizontal control, obtaining elevations, and locating visible utilities.
06/12 – 01/16	Residential Construction Experience Scope: Various residential construction projects. Role: Multiple roles, including Quality Control Field Manager and Quality Control Field Representative. Performed inspections and observed inspections by others. Coordinated inspections and non-destructive testing with owner and subcontractor personnel. Verified that necessary quality control records, acceptance certificates, mechanical completion certificates, and other documentation for specific building systems were prepared and documented. Assisted with identification and resolution of nonconforming work, including preparation of corrective action plans.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Jack Burnett		Years of relevant experience with this employer
Title	Inspector		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role: Backup Inspector Responsibilities: Inspection and construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/06 – Present	- Nearly 20 years of electrical and inspection experience, including LaDOTD and LaDOTD LPA projects. - Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. - Licensed journeyman electrician.		
09/25 – Present	H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie Owner: City of Youngsville (LaDOTD LPA project). Scope: Full road reconstruction, including new asphalt road, subsurface drainage system (15” RCP to 48” RCP), precast concrete box culverts , curb and gutter, driveways, and sidewalks. Cost: ≈\$8,700,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with coordination of construction materials testing.		
03/26 – Present	H.014737.6 – Signal Upgrade: Sgt Alfred Dr @ Cleveland Owner: City of Slidell (LaDOTD LPA project). Scope: Replacement of existing wire mounted traffic signals with mast arm mounted traffic signals and installation of new crosswalks and pedestrian signals. Cost: ≈\$380,000. Role: Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Obtained material samples and assisted with coordination of construction materials testing. Assisted with the review of RFIs.		
11/25 – 11/25	Woodhouse Grain Elevator Improvements Owner: Port of Houston Authority. Scope: Grain elevator improvements, including three new 72’ diameter by 138’ tall reinforced concrete grain silos and associated conveyors, new reinforced concrete rail receiving pit and associated rail improvements, and replacement of existing conveyors and east shiploader. Cost: ≈\$70,000,000. Role: Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs).		
03/17 – 02/23	LaDOTD Electrical Experience Scope: Electrical system maintenance and repairs along the US 90 corridor from approximately the Superdome to the Alario Center. Role: Multiple roles, including Interim Electrical Foreman, Electrician Specialist Leaderman, and Electrician Specialist. Performed electrical system maintenance and repairs for the Crescent City Connection bridge lighting, aerial beacon lighting, channel marker lighting, decorative lighting, HOV gate controls, and switchgear; General De Gaulle pump station pumps, generator, and switchgear; Harvey Tunnel electrical/HVAC components; various bridge and road lighting and permanent message boards; various building electrical/HVAC components, underground feeder, and backup generators; high voltage substation; and radio tower.		

Jack Burnett (Continued)

08/11 – 03/16	Heavy Civil Electrical Experience Scope: Various heavy civil electrical installation, maintenance, and repair projects for City of New Orleans, Lafourche Parish, Entergy, City of Shenandoah, and other entities. Role: Multiple roles, including Electrical Foreman, Electrician, Service Electrician, and Lineman. Installed, maintained, and/or repaired traffic signals, moveable bridge electrical components, road and parking lot lighting, transmission and distribution powerlines (overhead and underground), high voltage transformers, 3-phase secondary systems, and underground feeds.
05/06 – 08/11, 02/16 – 03/17, and 02/23 – 09/25	Residential and Commercial Electrical Experience Scope: Various residential and commercial electrical projects, including new construction and renovations. Role: Multiple roles, including Electrical Foreman, Electrician, Service Electrician, Assistant Service Manager, and Estimator. Installed, maintained, and/or repaired underground lines, generators, low voltage systems, commercial communication lines, and switchgear. Performed service calls. Prepared cost estimates and coordinated service calls.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Anthony St. Philip		Years of relevant experience with this employer
Title	Senior Inspector		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization	Bachelor of Science / 1980 / Industrial Management Technology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role: Backup Inspector Responsibilities: Inspection and construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
01/23 – 12/24	RR 215: Dillard Group A & B (RR031/RR032) Owner: City of New Orleans. Scope: Road reconstruction, asphalt milling and overlay, road patching, and associated drainage, sewer, and water improvements for 188 city blocks in the vicinity of Dillard University. Cost: ≈\$40,000,000. Role: Lead Inspector. Inspected base course installation, PCC pavement installation, asphalt milling and overlay, asphalt patching, PCC pavement patching; drainage pipe, drainage structure, curb, driveway, and sidewalk installation; and pavement marking installation. Reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.		
06/21 – 12/21	Milneburg Group B (FRC) Owner: City of New Orleans. Scope: Replacement of asphalt roadway and drainage, sewer, and water improvements. Cost: ≈\$8,300,000. Role: Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.		
05/20 – 06/21	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 roadway, drainage, and lighting improvements (5.2 miles long). Cost: ≈\$50,000,000. Role: Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.		
05/10 – 05/14	Tidewater Road Reconstruction Owner: Plaquemines Parish. Scope: Construction of new 12” concrete road outside of flood protection (3 feet higher than original road to reduce flooding), detour road, and waterline relocation (≈2.5 miles long). Cost: ≈\$20,000,000. Role: Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.		

Anthony St. Philip (Continued)

06/21 – 02/22	RR133 and RR136 Pines Village Group A and Plum Orchard Group D Waterline Replacement Program Owner: SWBNO. Scope: Replacement of water mains and house connections (8,000' of 8" diameter and 2,400' of 12" diameter water mains). Role: Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.
09/05 – 09/07	17th Street Canal Floodwall Breach Repairs (Emergency, Interim, and Permanent) Owner: USACE. Scope: Emergency closure of floodwall breach, interim sheet pile at Old Hammond Highway Bridge and breach, interim pump station (2,500 CFS to 4,000 CFS to 7,500 CFS in 3 phases), and permanent T-wall to replace breached I-wall, all under a significantly compressed schedule. Cost: ≈\$150,000,000. Role: Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.
02/22 – 06/22	Nashville Avenue Wharf "A" Substructure Repairs Phase 2 (CMAR) Owner: Port of New Orleans. Scope: Structural inspection and rehabilitation of 1960s wharf along Mississippi River (5,375 steel piles, approximately 1,000,000 square foot reinforced concrete deck, and 2,400 foot long reinforced concrete bulkhead). Cost: ≈\$25,000,000 (est.). Role: Inspector and Quality Assurance Reviewer. Inspected steel pipe piles, H-piles, tube piles, and associated bracing; grouted FRP pile jackets and concrete pile jackets; reinforced concrete drop panels, pile caps, bottom of deck, and bulkhead; and timber fender piles from both land and water in accordance with ASCE MOP 130 and project specific criteria. Performed quality assurance review of inspection data, including damage ratings, photos, and notes.

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Evan Mire		Years of relevant experience with this employer
Title	Inspector		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization	Bachelor of General Studies / 2013		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Role: Backup Inspector Responsibilities: Inspection and construction documentation (including HeadLight and SiteManager duties).		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/21 – 02/23	Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive Owner: Jefferson Parish. Scope: Structural inspection and evaluation and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). Cost: ≈\$13,000,000. Role: Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement; assisted with the inspection, coordination, and development of field adjustments for emergency deck repairs to replace failed expansion joint with only weekend road closures; and assisted with the preparation of project closeout documentation.		
10/19 – 01/21	Lake Pontchartrain Causeway Southbound Bridge Rail Improvements Owner: GNOEC. Scope: Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. Cost: ≈\$40,000,000. Role: Inspector. Inspected temporary lane closures of over 10 miles long; performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; and assisted with the review of RFIs.		
05/22 – 06/22	Nashville Avenue Wharf “A” Substructure Repairs Phase 2 (CMAR) Owner: Port of New Orleans. Scope: Structural inspection and evaluation and rehabilitation of 1960s wharf along Mississippi River (5,375 steel piles, approximately 1,000,000 square foot reinforced concrete deck, and 2,400 foot long reinforced concrete bulkhead). Cost: ≈\$25,000,000 (est.). Role: Inspector. Inspected steel pipe piles, H-piles, tube piles, and associated bracing; grouted FRP pile jackets and concrete pile jackets; reinforced concrete drop panels, pile caps, and bottom of deck; and timber fender piles from both land and water in accordance with ASCE MOP 130 and project specific criteria.		
04/23 – 05/23	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: Field Technician. Installed and removed volume count, turning movement count, and driveway/median opening count equipment.		

16. Staff Experience:

Firm employed by Professional Service Industries, Inc.			
Name	Dr. Reda Bakeer, Ph.D., P.E., F.ASCE, D.GE.		Years of relevant experience with this employer
Title	Principal-in-Charge / Chief Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Ph.D., Civil Engineering, 1985 M.S., Civil Engineering, 1981 B.S., Civil Engineering, 1976	
Active registration number / state / expiration date		PE Civil Eng., 27123, Louisiana	
Year registered	1997	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities: As Principal-in-charge / Chief Geotechnical Engineer, Dr. Bakeer serves as Project Manager for a variety of infrastructure projects, overseeing staff, budgets, timeline and working with owners, consulting firms and subconsultants to ensure timely and accurate project delivery. Dr. Bakeer is presently the Chief Engineer of the Louisiana offices of Intertek Professional Service Industries, Inc., providing technical support and direction for the Geotechnical and Construction Materials Testing groups. He has over 50 years of professional experience in the field of Geotechnical Engineering. Dr. Bakeer's experience encompasses the design of field and laboratory subsoil engineering investigations for various geotechnical engineering projects including residential developments, commercial and industrial structures, highways and bridges, ports, earth retaining structures and flood protection structures. He performs analyses pertaining to deep foundations, shallow foundations, foundation repair, retaining walls, bulkheads, deep excavations, soil dynamics, coastal restoration, seepage, landfills, geosynthetics and other geotechnical engineering applications. He has been recognized and received over 15 distinguished awards and honors for his work. He is also the member of multiple affiliations and societies, including: ASCE, ASTM, WEDA, SAME, ALBL, PORTS, ESE, USNS, TAU BETA PI. Tulane.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
2012-2026	Various LA DOTD Projects - Jefferson Parish Severn AVE Westwood Drive Improvements University Drive-Hammond, LA, Bridge Overpass I-55 LA 39 Meraux Canal Bridge I-10 median safety cable between LaPlace to Baton Rouge I-310 Bridge Pile Load Test Program City New Orleans east bound CBD-Bridge LA 179 Red River Project Overpass		
2014-2019	Louis Armstrong / New Orleans International Airport (Kenner, LA)): As a Geotechnical Task Manager the responsibility included of reviewing of geotechnical design recommendations for walls in Segments I and 2 of I-66, which included Rout 28/I66 interchange. The wall design options included MSE, Soil Nail, Post and Panel (P&P cantilever and tieback), and CIP concrete gravity and cantilever walls. MSE and P&P walls were recommended more used more for being cost effective. Reviewed all external stability, global stability and settlement results for the walls. The software used for the analysis were MSEW and spreadsheets developed by PSI, Slide and Settle3D. Finite Element Analyses were performed for some walls. The responsibility also included assessment of the rapid drawdown condition in ponds, review of 1) shallow		

	foundation recommendations, bearing on soil and/or rock and Geopiers, 2) recommended lightweight fill materials and/or preload surcharge programs with wick drains to reduce settlement and improve soil strength, and 3) the results of in-situ testing, using Dilatometer Test (DMT), ASTM D 66 and Pressure meter Test (PMT), ASTM D 471935 Methods. The DMT/PMT tests were performed for specific retaining walls to develop local correlations to SPT N-values for both friction angle and elastic modulus of decomposed rock. The results were critical in economical evaluation of retaining structures and cut slopes. Offered construction analyses and guidance with regard temporary excavations, utility crossings, settlement monitoring, subgrade preparation, fill materials, etc.
2015-2017	I-10 Bridge Monitoring, Track No. 114 and Track “K” Rail Spurs Crash Walls, Port Allen, LA – Role: PGC (2015-2017) – Performing soil borings and CPT soundings, conducting laboratory tests in accordance with LADOTD guidelines, developing geotechnical parameters for helical piles for support of the new railroad crash walls along the I-10 bents, providing guidelines for monitoring of the I-10 bents during construction of the crash walls and probing the site to locate the concrete piles supporting the existing I-10 bridge bents.
2010-2015	Bayou Garden Boulevard Extension, Houma, LA - Role: GOER (2010-2015) - Drilling soil borings, conducting laboratory testing per LADOTD guidelines and providing engineering analyses and recommendations for bridge foundations according to AASHTO LRFD, designing and monitoring a preload surcharge program of the geotextile reinforced roadway embankment constructed on very soft and highly compressible cohesive and organic soils (piezometers, Sondex tubes, and settlement plates) and performing construction QA services.

16. Staff Experience:

Firm employed by Professional Service Industries, Inc.			
Name	Smith Bennie Benson		Years of relevant experience with this employer
Title	Chief Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science in Civil Engineering May 98, Construction Management Certificate May 2022	
Active registration number / state / expiration date		Louisiana Professional Civil Engineer, #41156 Missouri Professional Civil Engineer, # 2005009452 ACI Board of Directors PDCA Technical Committee	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities-			
Mr. Benson is a Chief Engineer with over 35 years of experience in Construction Materials Testing (CMT), Quality Assurance (QA), and construction engineering, providing technical leadership and oversight for Intertek PSI operations. He brings extensive experience supporting infrastructure, transportation, and commercial projects while ensuring compliance with ASTM, AASHTO, IBC, and agency standards. He leads technical excellence across CMT operations, supports branch leadership, and ensures consistent application of Intertek quality systems and accreditation requirements. Mr. Benson provides senior-level technical review of proposals and testing programs and serves as a trusted resource to engineering and project teams. Mr. Benson's background includes leadership roles with the U.S. Army Corps of Engineers and Professional Service Industries, overseeing multimillion-dollar construction programs, QA/QC operations, and technical staff. He is a Licensed Professional Engineer in Louisiana, Tennessee, and Missouri, known for strong leadership, sound engineering judgment, and commitment to quality and client success.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Taxiway Foxtrot Baton Rouge Municipal Airport, Baton Rouge, LA – As Project Engineer I was responsible for developing the project construction material testing (CMT) and inspection QC plan, cost estimates for CMT, implementing the QC plan, and enforcing the QC plan. My responsibilities also included reviewing plans and specifications, reporting field/lab CMT test reports, review of project Geotechnical report.		
	I-10/I-12 Baton Rouge Interstate Patching, Baton Rouge, LA – As Project Engineer I was responsible for developing the project construction material testing (CMT) and inspection QC plan, cost estimates for CMT, implementing the QC plan, and enforcing the QC plan. My responsibilities also included reviewing plans and specifications, reporting field/lab CMT test reports. I also was on the team that developed the concrete mix designs and the concrete maturity testing program		
	Lake Arthur Compressor Station, Lake Arthur, LA – AS Project Engineer my responsibility was to develop and provide Project Inspection services associated with the Geotechnical Investigation on a QA basis. The QA program provided		

	Geotechnical oversight of the construction process to determine that the project was constructed according to the Geotechnical report and document when it did not.
	200 Downtown, Hammond, LA – As Project Engineer on the multiuse facility was my responsibility to develop an initial CMT plan and cost estimate. During construction, it was my responsibility to provide Geotechnical representative oversight and recommendations associated with foundation and pavement construction.
	South End Zone Dormitory Demolition Tiger Stadium, Baton Rouge, LA - As Project Engineer on the multiuse facility was my responsibility to develop an initial CMT plan and cost estimate. During construction, it was my responsibility to provide Geotechnical representative oversight and recommendations associated with foundation and pavement construction.

16. Staff Experience:

Firm employed by Professional Service Industries, Inc.			
Name	Lucas Patterson	Years of relevant experience with this employer	16
Title	Department Manager and Laboratory Supervisor	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	ACI: Concrete Field-Testing Technician-Grade I, ACI: Concrete Strength Testing Technician-Level I, ACI: Aggregates Testing Technician-Level I, ACI: Aggregates Base Testing Technician-Level I, ACI: Concrete Laboratory Testing Technician-Level I Pile Load Test; Pile Logging; Reinforcing Steel Inspection; Vibration Monitoring; Nuclear Density Gauge Certified; PSI Radiation Safety Training; Rebar Inspection; Holiday Test; Pressure Testing; Sulfate Soundness; LA Abrasion; Achor Bolt & Reinforcing Steel Pull Test; Adhesion/Cohesion Testing...		
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities:			
Mr. Patterson serves as the Department Manager for Construction Services and the Laboratory and Field Supervisor on projects performed by Intertek- PSI in New Orleans, LA. Mr. Patterson has performed materials testing services on a variety of USACE projects, ranging from Levee Enlargements to Floodwall Construction. His responsibilities include concrete testing and inspection, nuclear density testing, pile logging, pile load tests, and vibration monitoring. He is the lead laboratory technician for all aggregates, soils, and concrete testing.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Cross Bayou Pumping Station, Norco, LA - Patterson performed pile logging for pile installations, concrete inspection, reinforcing steel inspection, and field compaction and moisture test with a density nuclear gauge.		
	Upper Guise Levee Enlargement, Norco, LA - performed pile logging for pile installations, concrete inspection, reinforcing steel inspection, and field compaction and moisture test with a density nuclear gauge. Praxair Hydrogen Unit, Shell Convent Facility		
	Carrollton Levee Enlargement, New Orleans, LA - Provided all required lab testing services.		
2012-2026	Various LA DOTD Projects - Jefferson Parish Severn AVE Westwood Drive Improvements University Drive-Hammond, LA, Bridge Overpass I-55 LA 39 Meraux Canal Bridge I-10 median safety cable between LaPlace to Baton Rouge I-310 Bridge Pile Load Test Program City New Orleans east bound CBD-Bridge LA 179 Red River Project Overpass		

16. Staff Experience:

Firm employed by Professional Service Industries, Inc.			
Name	Gregory Richards	Years of relevant experience with this employer	27
Title	Project Manager	Years of relevant experience with other employer(s)	40
Degree(s) / Years / Specialization		University of New Orleans, Civil Engineering	
Active registration number / state / expiration date		Precast Concrete Inspection. Level I (PCI)	
ACI Concrete Field Testing Technician, Grade I		Roadway Concrete Certification (LADOTD)	
ACI Concrete Strength Testing Technician		Structural Concrete Certification (LADOTD)	
Dynamic Pile Testing (GRL)		Troxler Nuclear Density Gage Operator	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities: As a project manager with PSI, Mr. Richards is familiar with client needs for construction testing services. He handles client requests from initial contact through proposal, project set-up, scheduling, reporting, project communications, billing, and collections. He has been responsible for recruiting, training and managing a staff of up to 35 technicians. He has ten years of field experience with industrial, high-rise, transportation, precast concrete, and chemical plant projects. He is familiar with issues that clients may have concerned concrete, soil, asphalt, piling, and precast construction. Mr. Richards serves as Department Manager / Project Manager on projects performed by PSI in Jefferson, LA.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	City of New Orleans; Tchoupitoulas Corridor, Louisiana LADOTD PCC roadway inspector for 35,000 sy paving renovation of major trucking corridor. Provided sampling, inspections, and pavement reports.		
	City of New Orleans; West End Boulevard, Louisiana - LADOTD certified PCC roadway inspector for 16,000-sy-roadway renovation. Provided sampling, inspections, and pavement reports.		
	Kaiser Aluminum Gramercy Plant - Sr. technician to conduct pile-load tests and monitor piling installation. Conducted training on-site for staff for bauxite reduction plant reconstruction project.		
	Tetra Tech: Madisonville Creosote Works, Louisiana - Senior technician on EPA Superfund project for foundation construction of thermal treatment plant, and soil testing for drainage structures and thermally. treated backfill.		
	New Orleans Convention Center - Louisiana - 14,000 pile foundation including treated timber, composite and precast concrete piles. Reviewed pile driving records on-site, communicated problem piles, followed up on remedial work.		
	Lowe's Various Sites, Louisiana - Project manager for foundation pile installation, concrete placement inspection, and soil testing for stores and site infrastructures		
	Chevron NorthPark Office Building, Mandeville, Louisiana - Project manager for 300,000 sf multi-story office building including earthwork/foundation inspections, concrete placement inspection, and tilt-panel construction.		
2012-2026	Various LA DOTD Projects - Jefferson Parish Severn AVE Westwood Drive Improvements University Drive-Hammond, LA, Bridge Overpass I-55 LA 39 Meraux Canal Bridge I-10 median safety cable between LaPlace to Baton Rouge I-310 Bridge Pile Load Test Program City New Orleans east bound CBD-Bridge LA 179 Red River Project Overpass		

16. Staff Experience:

Firm employed by Professional Service Industries, Inc.			
Name	Lance Temple	Years of relevant experience with this employer	14
Title	Senior Field Technician	Years of relevant experience with other employer(s)	
Degree(s) / Years / Specialization	ACI Concrete Field-Testing Technician, Grade I Reinforcing Steel Inspection Pile Load Testing Fireproofing Inspection LADOTD Authorized Density Tester PSI Radiation Safety Program		
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities			
Mr. Temple has served as Lead Inspector for the Jefferson, LA PSI office for 14 years, overseeing construction materials testing and inspection for large-scale development projects across Louisiana. His experience on high-profile, fast-paced projects and in Louisiana's diverse soil conditions has equipped him to effectively support designers and contractors through site preparation, grading, and roadway construction challenges, helping avoid delays and cost overruns. He brings a strong safety-first mindset, leading job box safety talks, mentoring junior technicians, and earning multiple performance-based safety awards for his commitment to jobsite safety.			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
2012 - 2026	Various LA DOTD Projects included but not limited to: Jefferson Parish Severn AVE Westwood Drive Improvements University Drive-Hammond, LA, Bridge Overpass I-55 LA 39 Meraux Canal Bridge I-10 median safety cable between LaPlace to Baton Rouge I-310 Bridge Pile Load Test Program City New Orleans east bound CBD-Bridge LA 179 Red River Project Overpass		
	Dow Chemical Distribution Center; Plaquemine, LA - lead field inspector on this project providing both construction materials testing and QC oversight for the earthwork and concrete phases		
	Dow Chemical Packaging Center; Plaquemine, LA - managing the field testing and		
	University Medical Center, Ambulatory Care Building & Sitework Package; New Orleans, LA - monitoring cut and fill operations, field compaction testing, pile installation logging, reinforcing steel inspection, concrete field testing and inspection, masonry inspection, grout sampling and testing, relative humidity and floor moisture testing, fireproofing inspection and testing, and fire stopping inspection		

16. Staff Experience:

Firm employed by Professional Service Industries			
Name	Terence Harris		Years of relevant experience with this employer
Title	Senior Field Technician		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Standard & Modified Proctor Test (ASTM D698 & ASTM D1557)	
OSHA 10 Certified		Moisture Content Determination (ASTM D2216 & ASTM D4643)	
Hazmat Refresher (Radiation Safety		Sand Cone Field Compaction (ASTM D1556)	
ACI Concrete Field-Testing Technician - Grade I		Atterberg Limits Test (ASTM D4318)	
Certified Nuclear Density Gauge Operator		PSI Radiation Safety Program	
Pile Logging		LADOTD Authorized Density Tester	
Vibration Monitoring		Fireproofing Inspection	
Asphalt Field Inspection		Pile Load Testing	
Concrete Compressive Strength Test (ASTM C39)			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities			
Mr. Harris is presently providing field and laboratory testing on a variety of projects including the Magnolia Power Generating Station. In the laboratory, his duties include concrete compressive strength testing and moisture density relationship on soil and aggregates. His field experience includes inspection and monitoring earthwork, performing field density testing, concrete placement inspection, load tests, vibration monitoring, asphalt field inspection, FFFL inspection, reinforcing steel and post tension inspections, and collecting soil and aggregate samples in accordance with project specifications. In addition, he monitored lime and soil cement treatment of subbase in accordance with DOTD requirements			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Magnolia Housing Development—New Orleans, LA		
2007-2023	Turkey Creek Compression Station—Evangeline Parish, LA		
2019-2020	FedEx – Covington, LA		
2012-2026	Various LA DOTD Projects - Jefferson Parish Severn AVE Westwood Drive Improvements University Drive-Hammond, LA, Bridge Overpass I-55 LA 39 Meraux Canal Bridge I-10 median safety cable between LaPlace to Baton Rouge I-310 Bridge Pile Load Test Program City New Orleans east bound CBD-Bridge LA 179 Red River Project Overpass		
2022-2025	Magnolia Power Generating Station Unit 1- Kiewit Project		
2026- Ongoing	Entergy Waterford Power Station – Taft, LA		

17. Firm Experience:

Firm name	Horizon Engineering, LLC		Discipline(s)*		CE&I/OV	
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.

As part of Horizon's CE&I services, **Horizon reviewed multiple precast concrete box culvert submittals** from the manufacturer, Design Precast & Pipe, who frequently fabricates precast concrete box culverts for projects in southern Louisiana and will likely be the manufacturer for the Peters Road Bridge & Extension Phase 2A project. The initial submittal was generic; therefore, Horizon provided comments and coordinated with the Contractor and manufacturer to ensure that adequate project-specific details were provided, such as the overall box layout/configuration along the skewed channel; reinforcement and joint details; exact locations and sizes of blockouts for skewed drainage pipe penetrations; additional reinforcement around blockouts to ensure stability of individual boxes; and structural calculations with as-designed load rating. Horizon ensured that the headwalls, which were based on DOTD standard plans for cast-in-place box culverts, were properly adjusted for the actual precast concrete box culvert dimensions. Horizon coordinated with the Entity, Engineer of Record, and Contractor to ensure that all necessary as-designed load rating information, including load ratings for the modified design prepared by the manufacturer, was submitted to DOTD so that the precast concrete box culverts could be added to the bridge inventory and inspected prior to opening the road to traffic.

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

17. Firm Experience:

Firm name	Horizon Engineering, LLC		Discipline(s)*		CE&I/OV	
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)				78
Services completed by this firm (mm/yy)	02/26	Cost of consultant services provided by this firm (\$1,000's)				78

The Fortune Road Pavement Preservation project milled, patched, and overlaid approximately 1.1 miles of the existing asphalt road and installed new pavement markings. Horizon provided 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)*		CE&I/OV	
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)			123
Services completed by this firm (mm/yy)		04/26	Cost of consultant services provided by this firm (\$1,000's)			123

The St. Bernard Pedestrian Improvements project improved 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 provided 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)*		CE&I/OV	
Project name	University Avenue Corridor Improvements (CE&I)			Firm responsibility (prime or sub?)		Prime
Project number	H.016393.6	Owner's name	Lafayette City Parish Consolidated Government (LaDOTD LPA project)			
Project location	Lafayette, Louisiana			Owner's Project Manager	Travis Smith	
Owner's address, phone, email	101 Jefferson St, Ste 202, Lafayette, LA 70501 / (337) 291-8506 / tsmith@lafayettela.gov					
Services commenced by this firm (mm/yy)	04/26	Total consultant contract cost (\$1,000's)			891	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			512	

The University Avenue Corridor Improvements project will mill, patch, and overlay approximately 1.8 miles of the existing asphalt road and intersecting roads and install new pavement markings. The project will also improve pedestrian facilities along the corridor and at the University Ave./Cameron St. intersection by installing new ADA compliant curb ramps, sidewalks, high visibility crosswalks, and a railroad crossing; install street and pedestrian lighting; and install landscaping and irrigation systems. Horizon is currently providing construction engineering and inspection services for the project.

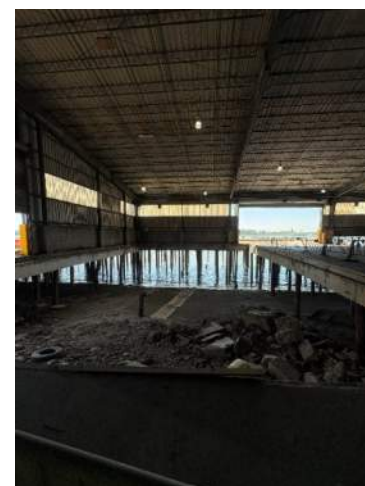
Firm Members Involved: Collin Gillen, Brett Liuzza, Ben Bartlett, John Karlin, and Paul Beaulieu

17. Firm Experience:

Firm name	Horizon Engineering, LLC		Discipline(s)*	CE&I/OV	
Project name	Louisiana Ave., Harmony St., & Seventh St. Wharf Substructure Repairs (CMAR)			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Port of New Orleans		
Project location	New Orleans, Louisiana			Owner's Project Manager	Christine Nguyen
Owner's address, phone, email	1350 Port of New Orleans Pl, New Orleans, LA 70130 / (504) 528-3416 / christine.nguyen@portnola.com				
Services commenced by this firm (mm/yy)	10/25	Total consultant contract cost (\$1,000's)			1,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			1,250

The Louisiana Avenue, Harmony Street, and Seventh Street Wharves were originally constructed in 1974, 1955, and 1978, respectively, along the Mississippi River and currently serve as break-bulk terminals operated by Ports America and QSL. This project involves rehabilitation of piles (steel pipe piles and H-piles), decks (cast-in-place and precast reinforced concrete) and reinforced concrete pile caps and a major repair of a large failed section of deck, pile caps, and piles. Horizon is currently providing construction management and independent cost estimating services for this \$40M (est.) project. As part of this Construction Management at Risk (CMAR) project, **Horizon works closely with the Design Professional, BKI, who is also the Engineer of Record for the Peters Road Bridge & Extension Phase 2A project.** Horizon attends weekly design progress meetings with the Owner, BKI, and Contractor and performs design and constructability reviews of each design submittal. Our personnel have also worked closely with BKI on multiple other projects throughout Jefferson Parish. This experience will facilitate effective communication and coordination and allow any necessary field and plan changes, such as potential modifications to the precast concrete box culvert and pipe penetration design to address the potential conflicts noted in Section 18, to be addressed quickly and avoid delays to construction.

Firm Members Involved: John Karlin, Brett Liuzza, and Paul Beaulieu



HORIZON ENGINEERING, LLC

17. Firm Experience:

Firm name	Professional Service Industries, Inc.		Discipline(s)*	CE&I/OV
Project name	LA 1062 Bridge Replacement		Firm responsibility (prime or sub?)	Sub
Project number	H.016335	Owner's name	RGND	
Project location	LA1062 At Drain Tangipahoa Parish		Owner's Project Manager	Reid Lee
Owner's address, phone, email	450 L&A Road Metairie, LA 70001 (504)620-8022			
Services commenced by this firm (mm/yy)	01/2026	Total consultant contract cost (\$1,000's)		
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$21

The LA 1062 bridge replacement project in Tangipahoa Parish, near Loranger, is a fast-track infrastructure improvement, with a full road closure in effect from February 9, 2026, through October 30, 2026. This project replaces the aging bridge over Morgan Branch and is the inaugural project for the new Office of Louisiana Highway Construction

PSI provided comprehensive Quality Assurance and Quality Control (QA/QC) testing services for soils, foundations, concrete, and masonry throughout the project. In accordance with the geotechnical investigation report, PSI verified that site conditions and construction activities met design recommendations, ensuring proper soil performance, compaction, and moisture content in compliance with project specifications. Additionally, PSI performed testing and inspection of concrete and masonry materials, confirming that mixes, placement, and compressive strength met required standards to support both shallow and deep foundation systems, as well as other structural components.

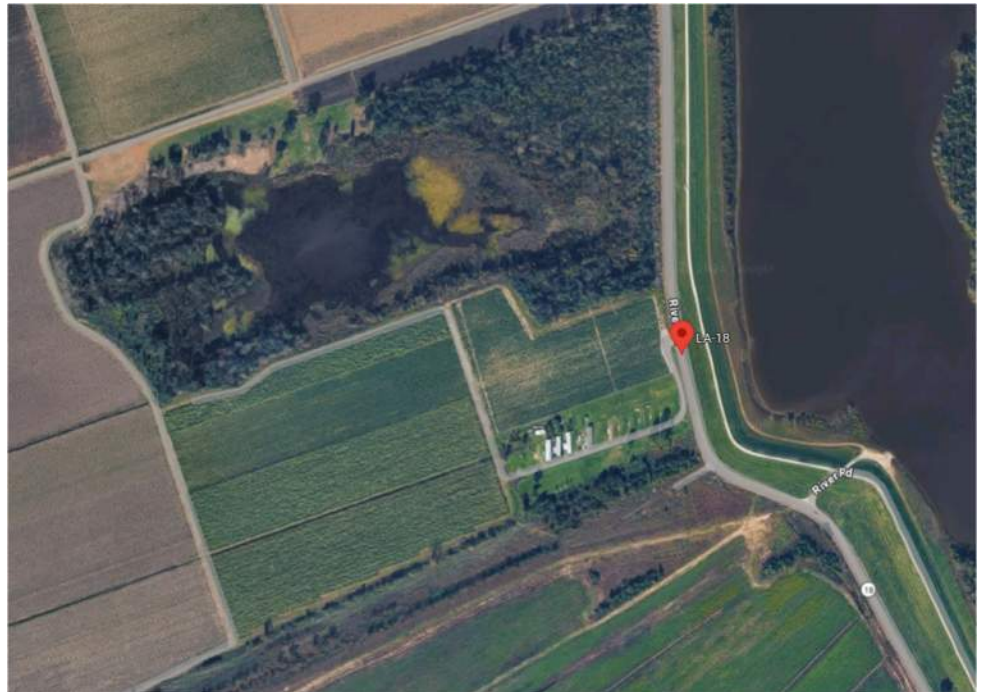


17. Firm Experience:

Firm name	Professional Service Industries, Inc.		Discipline(s)*	CE&I/OV
Project name	LA 18S – LA 18 US 90Z River Road		Firm responsibility (prime or sub?)	Sub
Project number	H.012600.6	Owner's name	Kelly Industries, LLC	
Project location	LA 18 and LA 3060 in St. Charles Parish		Owner's Project Manager	Ryan Kelly
Owner's address, phone, email	215 Hickory Avenue Harahan, LA 70123 (504)360-2152 ki_info@kellyindustriesllc.com			
Services commenced by this firm (mm/yy)	2026	Total consultant contract cost (\$1,000's)		
Services completed by this firm (mm/yy)	ongoing	Cost of consultant services provided by this firm (\$1,000's)		

This project entails the comprehensive rehabilitation of the LA 18 (River Road) corridor, centering on pavement preservation through cold plane milling, Superpave asphalt concrete overlays, and strategic PCCP and asphalt patching for base repairs. The scope integrates critical utility and drainage upgrades, including the replacement of cast iron water mains with PVC and the installation of reinforced concrete storm drain systems. Additionally, safety and accessibility enhancements are provided through the installation of ADA-compliant ramps, permanent pavement markings, and comprehensive maintenance of traffic (MOT) signage.

PSI provided comprehensive Quality Assurance and Quality Control (QA/QC) testing services for soils, foundations, concrete, and masonry throughout the project. In accordance with the geotechnical investigation report, PSI verified that site conditions and construction activities met design recommendations, ensuring proper soil performance, compaction, and moisture content in compliance with project specifications. Additionally, PSI performed testing and inspection of concrete and masonry materials, confirming that mixes, placement, and compressive strength met required standards to support both shallow and deep foundation systems, as well as other structural components.



17. Firm Experience:

Firm name	Professional Service Industries, Inc (PSI)	Discipline(s)*	CE&I/OV
Project name	LA-23 Cross Drain Replacement	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	
Project location	LA-23 Buras and Port Sulphur	Owner's Project Manager	Collin Nami
Owner's address, phone, email	68445 James Drive Mandeville, LA 70471 (504)887-8795 collinn@commandindustries.com		
Services commenced by this firm (mm/yy)	2026	Total consultant contract cost (\$1,000's)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$3

The Louisiana Department of Transportation and Development (DOTD) completed emergency work to replace a 60-inch culvert/cross drain on LA 23 in Plaquemines Parish. This project involved excavating, removing the failed pipe, and installing a new drainage structure, followed by repairing the roadway base and paving with asphalt, as part of broader infrastructure improvements in the district, with related remedial smoothing work finalized in late 2025. The effort was designed to address a critical drainage failure and secure the integrity of this primary highway corridor in the area

PSI provided comprehensive Quality Assurance and Quality Control (QA/QC) testing services for soils, foundations, concrete, and masonry throughout the project. In accordance with the geotechnical investigation report, PSI verified that site conditions and construction activities met design recommendations, ensuring proper soil performance, compaction, and moisture content in compliance with project specifications. Additionally, PSI performed testing and inspection of concrete and masonry materials, confirming that mixes, placement, and compressive strength met required standards to support both shallow and deep foundation systems, as well as other structural components.



18. Approach and Methodology:

The west bank of Jefferson Parish and Plaquemines Parish are intersected by many canals (with very few crossings) that facilitate drainage and/or barge transportation. Due to the lack of crossings, it is difficult to effectively navigate the area without travelling long distances and encountering significant traffic at canal crossings. State Project No. H.014581 (Peters Road Bridge & Extension Phase 2A) is the next phase of an over 30-year, multi-phase project to address this issue and will fill in 0.43 miles of the Murphy Canal near Bayou Barataria. The project will construct four 10'x10' precast concrete box culverts with cast-in-place reinforced concrete headwalls, wing walls, apron slabs, and riprap on each side for scour protection and new drainage lateral connections. To install the box culverts, an existing bridge will be removed, requiring construction of temporary access and restoration of permanent access to Pull-A-Part, an auto parts salvage yard. Phase 2A will facilitate construction of future phases, including Phase 2B, which will construct two slab span bridges over Bayou Barataria, and Phase 3, which will construct a bridge over the Gulf Intracoastal Waterway (GIWW). This project is a key step towards achieving the overall project goal of creating the new LA 1261, which will improve connectivity to Plaquemines Parish and provide streamlined access to the Louisiana Gateway Port. Horizon Engineering, LLC (Horizon) has already visited the project site, reviewed the plans, and identified the following challenges that will need to be addressed during construction to deliver a successful project.

1. DRAINAGE LATERAL CONNECTIONS

The Plans indicate 13 drainage lateral connections, 7 of which are new drop inlets in the new ditch between Peters Rd and the box culverts, 3 of which are extensions of existing pipes between the ditch to the west of Peters Rd and the canal, and 3 of which are replacements of the existing pipes between the canal and perpendicular ditches to the east of the canal. The Plans provide drainage structure details

and pipe sizes and lengths but do not appear to provide details of the actual penetrations into the box culverts. Due to shipping limitations, the maximum precast concrete box culvert length will likely be 8 feet and the maximum blockout diameter for pipe penetrations is 5 feet per Standard Plan PRCB-01 Note 4 (Plan Sheet 121). As such, multiple connections are likely not feasible and will require a plan change that either provides a larger number of smaller pipes or replaces segments of the precast concrete box culvert with cast-in-place junction boxes with adequate additional wall reinforcement around the pipe penetration. For example, Pipe 304B is specified as an 84-inch equivalent RCPA, which has a span length of approximately 102 inches (8.5 feet) that is larger than the precast box segment length. Pipe 303B is a 6'x6' precast concrete box culvert; therefore, a maximum of only 1 foot on either side of the opening would be available to support the entire top slab. Connection details between the intersecting precast boxes are also necessary to avoid potential differential settlement issues, since the primary box culverts are supported on a much stronger base than the lateral box culvert.



Figure 1: Drainage Lateral Connections

Additionally, headwall and/or riprap details for the ends of the pipes tying into the perpendicular ditches are not provided but are likely necessary to minimize the potential for erosion. Horizon will immediately work with the Engineer of Record, DOTD, Contractor, and precast manufacturer well in

advance of the start of construction to develop lateral connection details and prepare and process any necessary change orders to avoid delays during construction.

2. SEQUENCE OF CONSTRUCTION

The sequence of construction in the Plans requires the Contractor to construct the box culverts in two phases (south side to existing bridge and existing bridge to north side) and each phase to be constructed in multiple stages (eastern two boxes first, then western two boxes, then temporary boxes to west for temporary driveway access). The Contractor is required to open each previously completed stage to flow, which could potentially erode portions of the new bedding material, particularly at the upstream end of the box culverts and between the box culverts and temporary longitudinal sheeting. To avoid this, the Contractor will likely need to partially construct the headwalls, wingwalls, apron slab, and riprap during each stage. Horizon will coordinate with the Engineer of Record to ensure that staged construction of the erosion protection is completed in accordance with the design intent and properly ties into previously completed work. Additionally, Horizon will clarify whether the temporary precast boxes at the Pull-A-Part temporary access driveway are necessary or if they can be omitted to reduce construction cost and time, since the previously completed four precast boxes will be open to flow similarly to their final condition.

Plan Sheet 25, Note 3 requires the Contractor to install a sleeper slab at each transverse joint where the next precast box is not installed within 14 days. The Contractor will likely not be able to predict whether there will be unforeseen delays that require a sleeper slab and a sleeper slab cannot be installed retroactively; therefore, Horizon will coordinate with the Engineer of Record to determine if this requirement is necessary given the precast boxes will be connected by tongue and groove joints and be supported on at least 2 feet of bedding material.

3. EARTHWORK

The work is within 300 feet of the Harvey Canal floodwall; therefore, it must be completed in accordance with any USACE, CPRA, and/or SLFPA-W permit requirements. Horizon will ensure that the Contractor performs all work in accordance with such permits and that any major changes to the nature of the work due to field changes or change orders is communicated with the appropriate permitting agencies. Additionally, the project site consists of extremely poor soils. The estimated quantities include tens of thousands of cubic yards of earthwork; however, due to the uncertain nature of estimating the amount of unsuitable soil that will be encountered, the actual quantities necessary could be significantly different and potentially result in large cost overruns. The Plans also provide multiple bedding options for the box culverts (see Sheet 2a, Note 3), so these quantities could differ significantly based on what option the Contractor chooses. Horizon will closely monitor all excavation and embankment operations and ensure that the Contractor provides adequate documentation (survey data, truck tickets, etc.) to justify actual excavation and embankment quantities, which will help DOTD avoid unnecessary cost increases.

4. COORDINATION

Coordination with DOTD District 02, Jefferson Parish, USACE, SLFPA-W, Contractor, Engineer of Record, and other affected stakeholders (e.g., Entergy, businesses along Peters Rd., and Pull-A-Part) will be critical to ensure that all project team members are on the same page. Although this project is not a LPA project, coordination with Jefferson Parish will be necessary since the work is within an active drainage canal. Horizon's office is less than 30 minutes from the project site and our personnel will always be available to respond to DOTD and Jefferson Parish's needs. Additionally, our personnel have worked on many DOTD District 02 projects and major Jefferson Parish box culvert projects such as the Geisenheimer Canal Improvements and H.011731 – W. Esplanade Bridges @ Duncan Canal

projects. Lastly, we have a longstanding relationship with Jefferson Parish and have worked with all of the major project team members, including Jefferson Parish (Mark Drewes, Neil Schneider, Angela DeSoto, Matt Zeringue, Ben Lepine, Susan Treadway, and Chanen Joseph); DOTD; and Engineer of Record (BKI), which will facilitate seamless coordination throughout the project. Our experience working with the Engineer of Record on a current \$40M CMAR project (see Section 17) will facilitate effective communication and coordination and allow any necessary field and plan changes, such as potential modifications to the precast concrete box culvert and lateral connection design noted previously, to be addressed quickly and avoid delays to construction.

5. PRECAST FABRICATION

Horizon will inspect precast boxes at the plant if requested by DOTD to ensure that they are fabricated correctly prior to transportation to the site and inspect the boxes again upon arrival at the site to ensure that they were not damaged during transportation and handling. The actual design of the precast boxes will likely differ from the Plans; therefore, Horizon will ensure that the manufacturer provides sealed as-designed load rating information for the boxes in accordance with DOTD requirements so that the structure can be properly logged into the bridge inventory.

6. CONSTRUCTION QUALITY

The quality of construction of precast concrete box culverts has a major impact on their effectiveness, durability, and longevity. Disjointing of segments typically occurs due to underlying base issues, such as poor compaction. Soil infiltration typically occurs due to failure to properly install joint sealant between segments and wrap joints with geotextile fabric. Weepholes are not specified on the Plans but may be required to relieve hydrostatic pressure and avoid potential buoyancy issues due to the minimal cover. Horizon will review the borrow pit testing reports, verify that approved materials are delivered to the site, inspect base installation and compaction

(including performing density testing), and inspect precast box installation to ensure proper alignment.

7. POTENTIAL CONFLICTS

Overhead power lines are located along each side of the canal and also cross the canal at some locations. Horizon will coordinate with Entergy and the Contractor to deenergize and/or relocate power lines as necessary to provide adequate vertical clearance for cranes and/or large excavators. Some of the power lines and poles do not appear to be shown on the Plans in their actual locations; therefore, Horizon will ensure that the Contractor field verifies their locations and identifies any potential conflicts prior to the start of construction. For example, an existing power pole is adjacent to Pipe 303C but is not shown on the Plans and may need to be temporarily shored to install the required pipe extension and concrete collar. The power lines are also shown angling away from the existing ditch near Pipe 304B; however, they appear to follow the canal with an additional transmission line running parallel to them. Some of the power poles appear to be located within the new drainage ditch, which is likely not preferred. Additionally, some of the existing power poles are supported by guy wires that extend into the existing rip rap; therefore, the Contractor will need to exercise extreme caution and potential temporarily shore the poles and remove/reinstall the guy wires to facilitate construction. Horizon will coordinate with Entergy, other utility companies, and the Contractor to ensure that all necessary relocations are completed as quickly as possible and prior to mobilization of the Contractor to avoid potential delays and associated claims. Horizon's personnel have coordinated with Entergy to de-energize and/or relocate both transmission and distribution powerlines on multiple Jefferson Parish projects, including box culvert projects, and are familiar with this process and the typical timeframe for its completion.

STAFFING PLAN

Horizon's Project Engineer, Brett Liuzza, has recently worked on many DOTD and DOTD LPA CE&I projects, including a similar current project

involving precast concrete box culvert installation and adjustment of drainage lateral connections during shop drawing reviews and construction to accommodate the actual fabricated precast box culvert dimensions, layout, and configuration. He will direct two primary certified inspectors for the project, with additional backup inspectors and technicians available to accommodate the Contractor's manpower allocation, construction schedule, work hours, and other similar factors. He will remain in constant contact with the inspectors and always be available to visit the site if needed.

CE&I SCOPE OF WORK

Horizon fully understands the scope of work and will complete all 32 tasks listed in Attachment A of the Advertisement in accordance with project specific requirements, such as the Specifications and Sampling Plan, and applicable DOTD standards, procedures, and requirements. Horizon will implement the following approach and methodology, which highlights the major tasks required but is not all-inclusive, to complete the project safely, correctly, on time, and in accordance with DOTD's requirements:

PRE-CONSTRUCTION PHASE

- **Submit QA/QC Plan:** Submit Horizon's QA/QC plan to DOTD.
- **HeadLight and SiteManager Access:** Set up access to HeadLight and SiteManager for all engineers and inspectors. All inspectors will be equipped with an iPad and laptop with cellular data for field access to HeadLight and SiteManager, respectively.
- **Document Review:** Review the Construction Contract, Plans, Specifications, Sampling Plan, permits, and all other applicable specifications, standards, manuals, testing procedures, and EDSMs.
- **Project Set-Up Meeting:** Meet with DOTD's Construction Coordinator and District 02 Lab Engineer to review roles, responsibilities, and expectations and project/contract requirements.

- **Preconstruction Conference:** Meet with DOTD's Construction Coordinator, Compliance Office, District 02 Utility Specialist, and District 02 Lab Engineer; FHWA; Jefferson Parish; Engineer of Record; Contractor and subcontractors; utility companies; and other pertinent stakeholders in accordance with DOTD EDSM III.1.1.7. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees.

CONSTRUCTION PHASE

- **General Inspection:** Continuously inspect construction operations to ensure that work is completed using approved materials in accordance with the Plans, Specifications, and change orders/field changes (if applicable).
- **TTC Inspection:** Inspect temporary traffic control signs and devices for conformance with the approved Traffic Control Plan (TCP), DOTD Standard Plans, and MUTCD.
- **Erosion Control Inspection:** Inspect erosion control devices for conformance with DOTD Standard Plans.
- **Inspection Documentation:** All inspection observations, including photos and notes, will be recorded using HeadLight in accordance with DOTD procedures. Any deficiencies and associated corrections made by the Contractor will be documented.
- **Materials Sampling and Testing:** Obtain material samples in accordance with the Sampling Plan, Materials Sampling Manual, and pertinent Quality Assurance Manuals. Log all samples, material tickets, and reports into HeadLight and SiteManager as applicable and submit samples to the DOTD District 02 Testing Laboratory for testing. Horizon has access to a qualified, third-party independent testing laboratory and can test samples if needed.
- **Daily Work Records (DWRs):** Prepare detailed DWRs, including on non-working days, describing the Contractor's personnel and equipment; Horizon's personnel; completed

tasks/quantities, accepted work, and nonconforming work; condition of TTC signs and devices and erosion control devices; material tickets, samples obtained, field tests performed, and field test results; utility conflicts; charging of Contract Time and weather conditions; safety violations; and significant out of the ordinary events (e.g., accidents). All DWRs will be prepared using HeadLight.

- **Clarifications of Plans and Specifications:** Verify that the Contractor has a current set of Plans and Specifications with all relevant addenda, RFIs, submittals, change orders, and other supplemental guidance. Assist the Contractor with the interpretation of the Plans and Specifications and notify the Contractor immediately of nonconforming work.
- **Permit Compliance:** Maintain copies of all permits on the project site and review the Contractor's operations for conformance with such permits.
- **Utility Relocations:** Coordinate the relocation of utilities that conflict with the work with the Contractor, respective utility company, DOTD, and Jefferson Parish.
- **Coordination:** Continuously coordinate with stakeholders, including the preconstruction conference attendees. Meet with DOTD when requested at their office or on the project site. Coordinate with the Contractor to distribute lane/road closure notifications to local media outlets upon approval by DOTD.
- **Monthly Progress Reports:** Prepare monthly progress reports describing the construction progress to date, Contract Time elapsed, and the number and value of approved change orders.
- **Bi-Weekly Progress Meetings:** Meet with project team members, including the preconstruction conference attendees as applicable. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees within five (5) days of the applicable progress meeting.

- **Requests for Information (RFIs) and Submittals:** Review RFIs and submittals and forward them to other parties, such as DOTD, Jefferson Parish, and the Engineer of Record, for input if necessary. Maintain logs of all RFIs and submittals with information such as the date submitted, number, description, status, and date resolved (if applicable).
- **Email Correspondence:** Coordinate with other parties to prepare email distribution lists for different aspects of the work. Horizon will be included on all email distribution lists to allow for all email correspondence to be properly logged into the official project record for access by DOTD.
- **Testing Reports:** Review all testing reports and evaluate the conformance of materials to the Plans and Specifications. Testing reports, as well as notices of nonconformance if necessary, will be distributed to all relevant parties.
- **Notices of Nonconformance:** Identify work that does not conform with the Plans and/or Specifications and notify DOTD. Prepare and distribute notices of nonconformance and monitor remediation efforts to ensure that nonconforming work is repaired or replaced to the satisfaction of DOTD.
- **Baseline and Progress Schedules:** Review the Contractor's baseline schedule for conformance to the Specifications and feasibility. Review the Contractor's progress schedules to determine if they accurately reflect work progress and identify potential delays due to the sequence of the work or inadequate progress on critical path items.
- **Monthly Pay Estimates:** Verify all completed quantities, including the dates of completion. Review monthly pay estimates for conformance with the Specifications and consistency with the actual work correctly completed. Horizon's Project Engineer and inspector(s) will review completed quantities and their applicable

specification provisions as part of continuous coordination between the office and field to ensure proper payment for completed work.

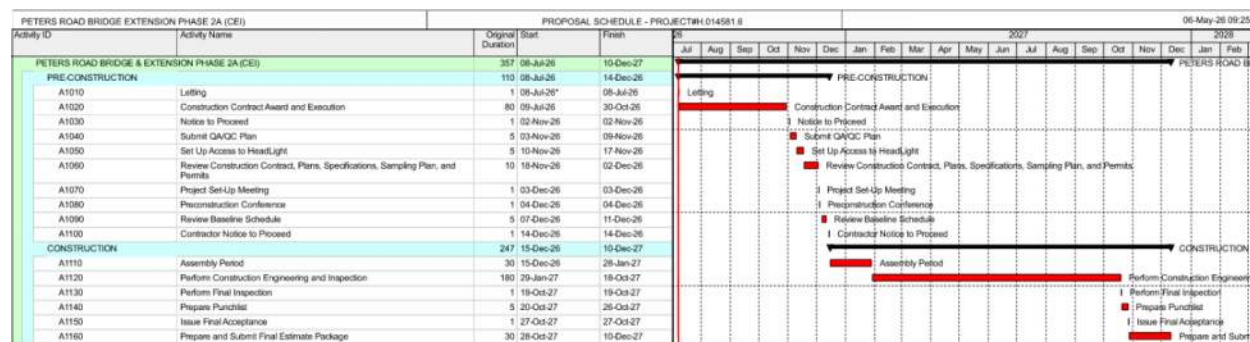
- **Field Changes:** Coordinate field changes with DOTD, the Engineer of Record, and the Contractor. Maintain detailed records documenting all changes or variations from the Plans and Specifications and redline Plans to document such changes/variations.
- **Change Orders:** If necessary, review change order requests to determine if they contain adequate supporting documentation and justification of additional labor, materials, equipment, tools, incidentals, overhead, and profit costs and additional contract time. Prepare description of change orders, upload change orders with backup documentation to SiteManager, and forward requests to DOTD for approval.
- **Claims:** Monitor, document, and review claims from the Contractor and provide recommendations to DOTD regarding the disposition of claims.
- **Compliance:** Review documents, such as certified payrolls and 1391 Form if applicable.

POST-CONSTRUCTION PHASE

- **Final Inspection:** Upon notification from Contractor of project completion, perform final inspection with Contractor and DOTD.
- **Punchlist:** Prepare detailed punchlist indicating deficient and/or incomplete work that must be corrected and/or completed prior to final acceptance.

- **Final Acceptance:** Upon correct completion of punchlist work, issue final acceptance in consultation with DOTD and in accordance with EDSM III.5.1.5.
- **As-Built Plans:** Prepare as-built plans using 746-12 Tuscan red pencil on plan sheets, noting modifications from the original plans incorporated via change order or field change.
- **Contract Materials Audit Report (2059):** Prepare Contract Materials Audit Report (2059), including summary report from SiteManager Materials, Sampling Plan, Errors and Omissions Report, Disposition of Failing Samples, Job Mix Formulas/Concrete Mix Designs (including lot percentage pay data and cores/cylinders report) as applicable, Independent Assurance Sampling and Testing report as applicable, Reinforcing Steel Bar Data as applicable, and Striping Reflectivity Test Report as applicable. Address any failed tests by indicating reasons that affected materials are acceptable (e.g., additional testing performed, change order issued, etc.).

Final Estimate Package: Within 30 days of final acceptance, prepare the final estimate package and submit to DOTD's Construction Audit Section, including the schedule of work items; recap of weather and working days; all field observations/notes and DWRs; as-built plans; all project correspondence (in and out); construction layout; Contract Materials Audit Report (2059); change orders; final acceptance letter; traffic control log; and transmittal sheet.



HORIZON ENGINEERING, LLC

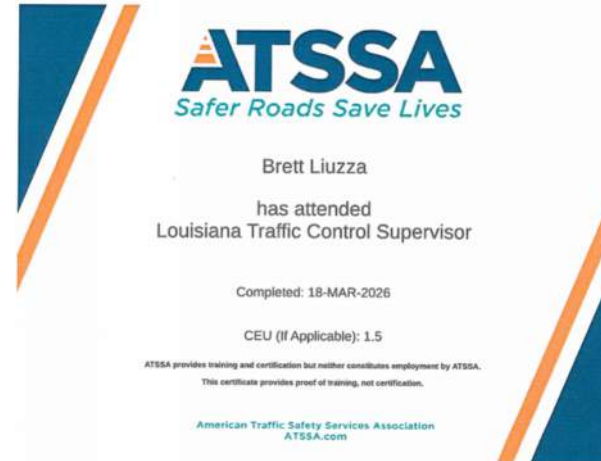
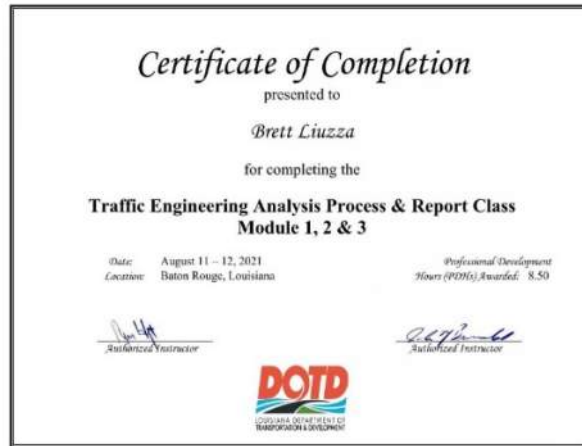
Figure 2: Preliminary Project Schedule

19. Workload:

Firm(s) <u>ALL FIRMS</u> 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. 4400030048 S. P. No. H.012867.6	S Larriviere Rd: LA 92 – Chemin Metairie (CE&I)	\$175,303
	CE&I/OV	Contract No. 4400031927 S. P. No. H.014737.6	Signal Upgrade: Sgt Alfred Dr @ Cleveland (CE&I)	\$75,047
	Road	Contract No. 4400031228 S. P. No. H.015469.5	Shreveport Pvmt Prgrm (Panel Replace)	\$132,068
	CE&I/OV	Contract No. 4400033882 S. P. No. H.016393.6	University Avenue Corridor Improvements (CE&I)	\$511,728
Professional Service Industries, Inc.	N/A	N/A	N/A	N/A

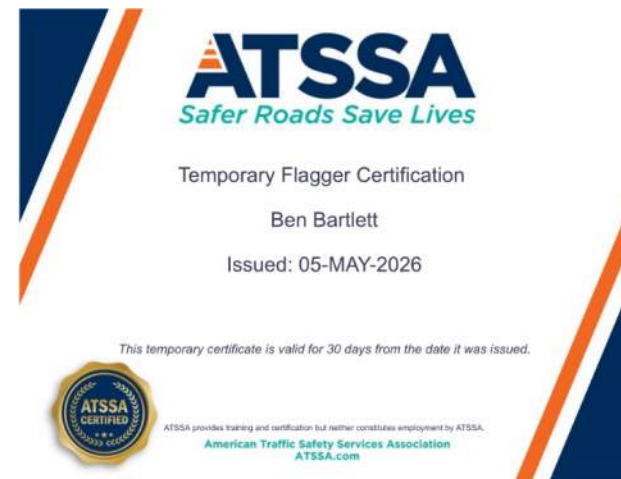
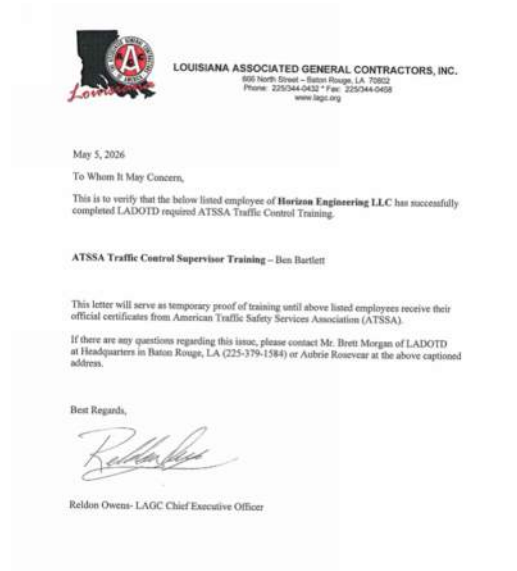
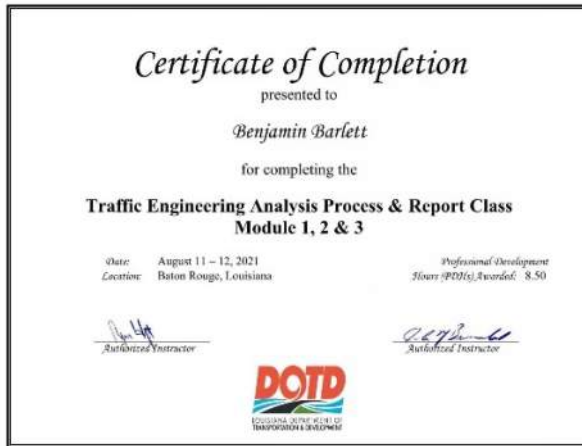
20. Certifications/Licenses:

Brett Liuzza, PE



20. Certifications/Licenses:

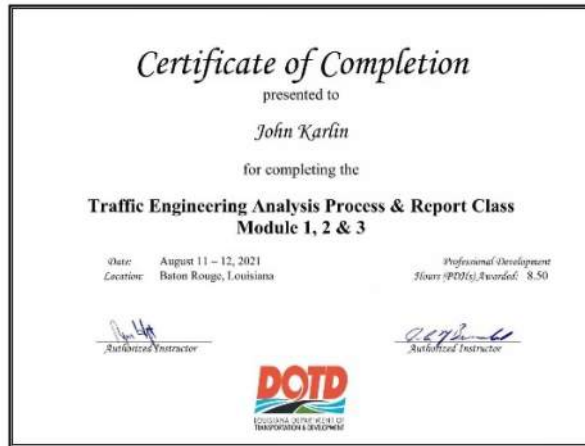
Ben Bartlett, PE, PTOE



HORIZON ENGINEERING, LLC

20. Certifications/Licenses:

John Karlin, SE, PE



HORIZON ENGINEERING, LLC

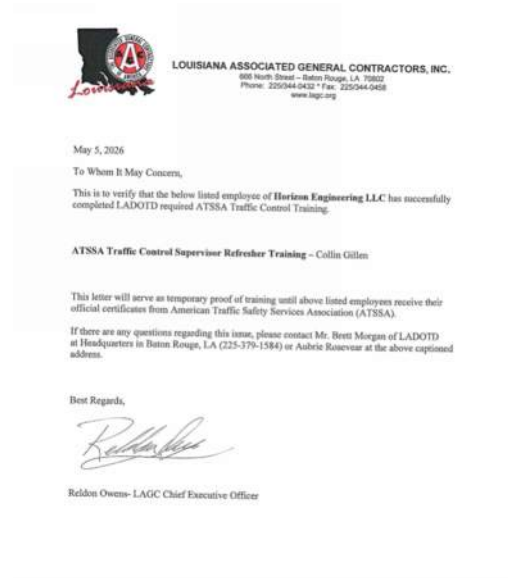
20. Certifications/Licenses:

John Karlin, SE, PE (Continued)



20. Certifications/Licenses:

Collin Gillen, PE



HORIZON ENGINEERING, LLC

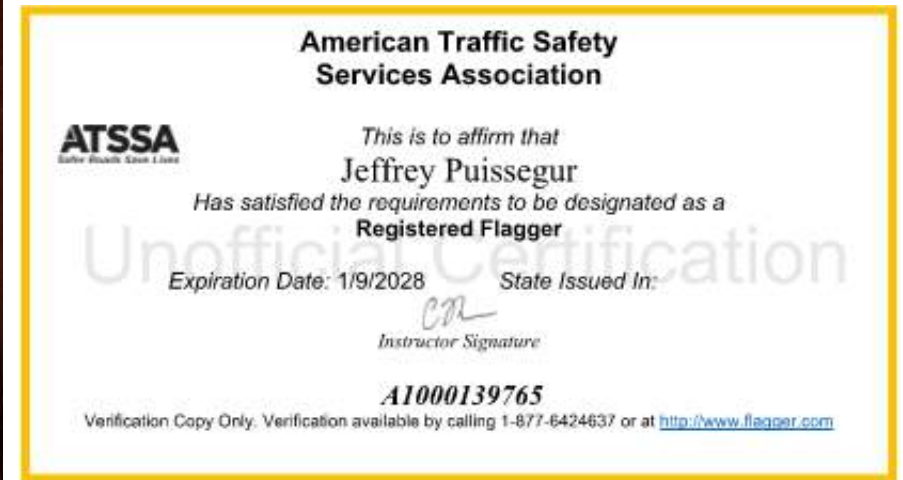
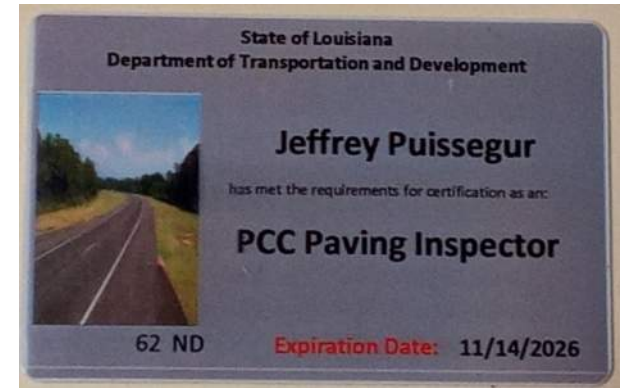
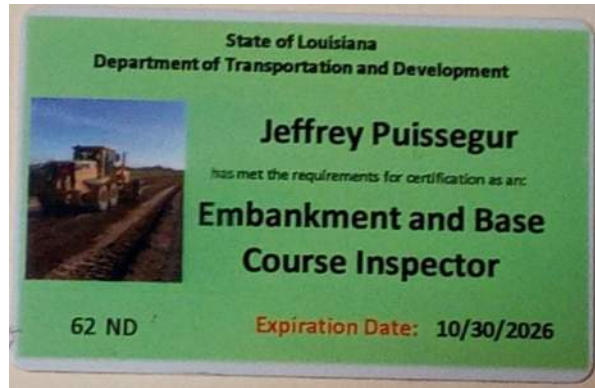
20. Certifications/Licenses:

Paul Beaulieu, EI



20. Certifications/Licenses:

Jeff Puissegur



20. Certifications/Licenses:

Keith Schulz



*Keith Schulz has completed all Embankment and Base Course certification written exams and is currently awaiting performance evaluation availability.

20. Certifications/Licenses:

Jack Burnett



*Awaiting receipt of flagger certification card in mail.

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State



Louisiana SECRETARY OF STATE NANCY LANDRY

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

Previous Names
Business: HORIZON ENGINEERING, LLC
Charter Number: 43713363K
Registration Date: 12/14/2023

Domicile Address
 110 VETERANS MEMORIAL BLVD
 STE 430
 METAIRIE, LA 700054966

Mailing Address
 110 VETERANS MEMORIAL BLVD
 STE 430
 METAIRIE, LA 700054966

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 12/14/2023
Last Report Filed: 12/14/2025
Type: Limited Liability Company

Horizon Engineering, LLC



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Name	Type	City	Status
PROFESSIONAL SERVICE INDUSTRIES, INC.	Business Corporation (Non-Louisiana)	WILMINGTON	Active

Previous Names
Business: PROFESSIONAL SERVICE INDUSTRIES, INC.
Charter Number: 34102143F
Registration Date: 12/23/1982

Domicile Address
 251 LITTLE FALLS DRIVE
 WILMINGTON, DE 19808

Mailing Address
 548 E. ALBONQUIN ROAD
 4TH LEGAL DEPARTMENT
 ARLINGTON HEIGHTS, IL 60005

Principal Business Office
 1400 LAKE ROBBINS DRIVE
 SUITE 600
 THE WOODLANDS, TX 77380

Registered Office in Louisiana
 410 LAUREL STREET, 8TH FLOOR
 BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana
 410 LAUREL STREET, 8TH FLOOR
 BATON ROUGE, LA 70801

Status
Status: Active
Annual Report Status: In Good Standing
Qualifies: 12/23/1982
Last Report Filed: 11/24/2025
Type: Business Corporation (Non-Louisiana)

Professional Service Industries, Inc.

HORIZON ENGINEERING, LLC

21. QA/QC Plan:

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

22. Sub-consultant information:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)	Address	Point of Contact and email address	Phone Number
Professional Service Industries, Inc.	724 Central Ave Jefferson, LA 70121	Lucas Patterson Lucas.patterson@intertek.com	(504) 733-9411

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.**