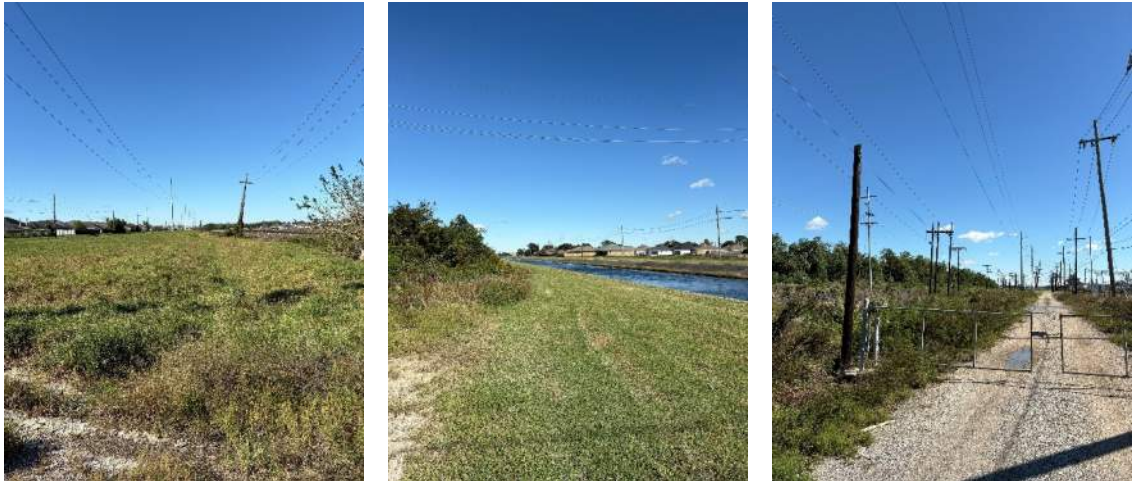


**ENTITY CONTRACT NO. 4400033438
STATE PROJECT NO. H.007208.6**

**HARVEY BLVD EXT
(PETERS RD-MANHATTAN) (CE&I)**

OCTOBER 30, 2025



**SUBMITTED BY:
HORIZON ENGINEERING, LLC**



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

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	HARVEY BLVD EXT(PETERS RD-MANHATTAN) (CE&I)
2. Contract Number(s) as shown in the advertisement	4400033438
3. State Project Number(s), if shown in the advertisement	H.007208.6
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Horizon Engineering, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0007715
6. Prime consultant mailing address	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com

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

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



Signature above shall be the same person listed in Section 9:

October 30, 2025

Date:

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.

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)	Each Discipline must total to 100%
CE&I/OV	100%	100%	100%
Percent of Contract	100%	100%	100%

13. Team Size:

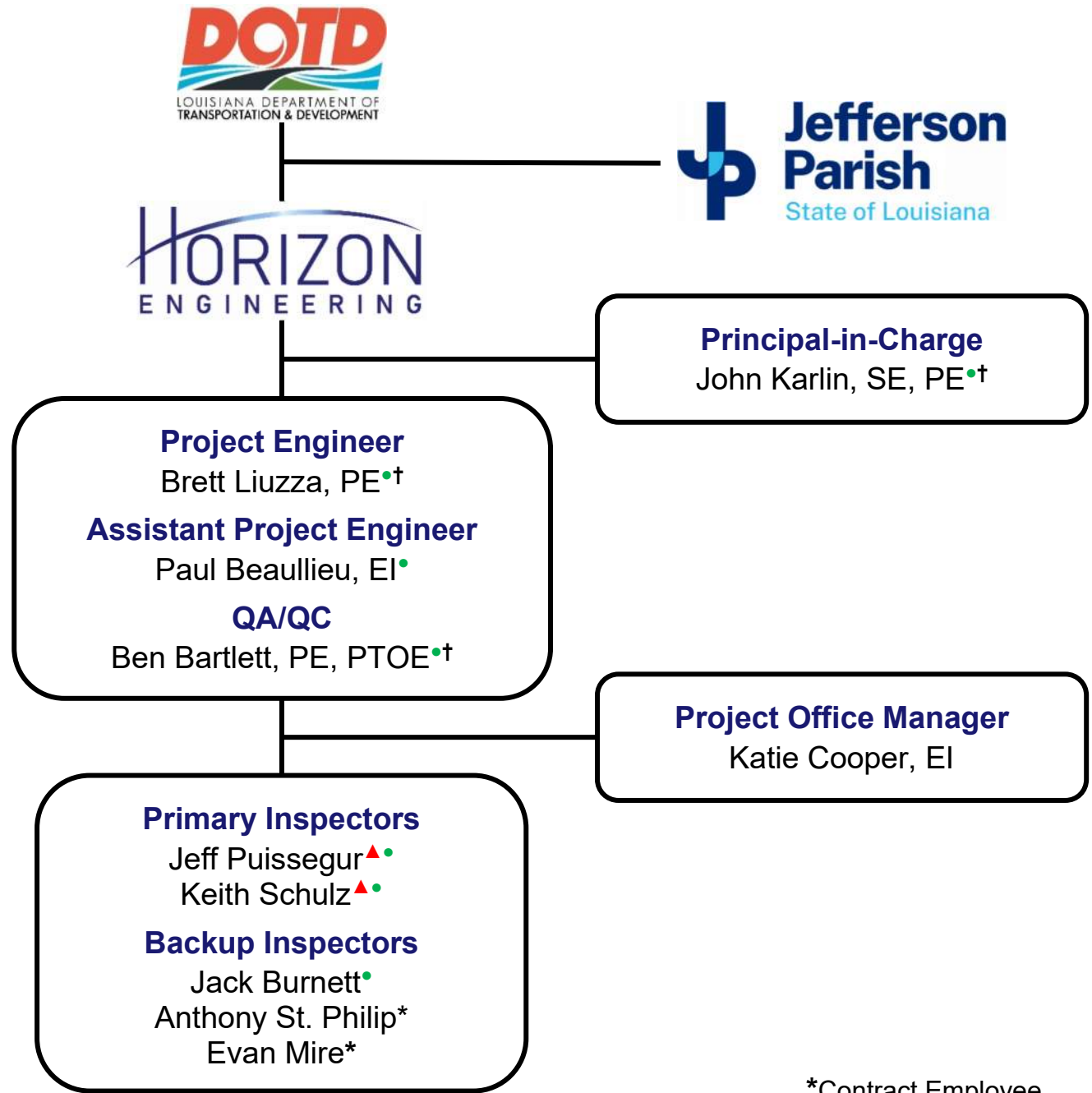
Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
	Principal	1	3
	Supervisor - Eng	1	3
	Engineer	1	3
	Engineer Intern	1	2
	Project Office Manager	1	1
	Inspector - Lead	1*	1
	Inspector - Certified	1*	1
	Inspector	3*	4
	Inspector - Bridge	0	1

*Based on the project's scope of work, we anticipate that only two full-time certified inspector will be required; however, we can provide three additional uncertified inspectors to assist with field and office tasks, such as inspections 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



*Contract Employee

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

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, and 3) Responsibilities: Construction administration (including HeadLight and SiteManager duties), construction engineering, management of inspectors, 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).			
05/08 – Present	<ul style="list-style-type: none"> 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. 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)

05/21 – 12/22	<p>RR122 and RR123 Marlyville-Fontainbleau Groups G and H (FRC) Owner: City of New Orleans. Scope: Roadway reconstruction, including drainage, sewer, and water lines and curbs, driveways, sidewalks and curb ramps. Cost: ≈\$23,000,000 (est.). Role: Project Engineer. Designed roadway, driveway, and sidewalk geometric layout, asphaltic concrete pavement, concrete curb and gutter, 15” to 30” RCP, and sewer and water mains, valves, fittings, offsets, and house connections. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.</p>
07/13 – 04/16	<p>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.</p>
07/23 – 01/24	<p>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.</p>
05/23 – 01/24	<p>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.</p>
10/23 – 01/24	<p>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.</p>
04/25 – Present	<p>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.</p>
03/25 – Present	<p>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.</p>

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	<ul style="list-style-type: none"> 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. 			
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.			
06/10 – 09/14	St. Charles Parish Road Maintenance Program (2010 – 2014) Owner: St. Charles Parish. Scope: Annual inspection of all St. Charles Parish-owned roads and repair/replacement of deficient roads. Cost: ≈\$1,500,000 annually. Role: Program Manager and Lead Civil Engineer. Led road inspections. Developed road repair/replacement priority lists for the verifiable expenditure of state/federal funds. Designed asphalt pavement milling/overlay and patching, PCC pavement panel replacement, sidewalk modifications, ADA compliant curb ramps, and utility adjustments. Prepared plans, specifications, and opinions of probable construction cost. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.			
04/25 – Present	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: QA/QC Manager. Performed QA/QC reviews, including review of HeadLight and SiteManager data, RFIs, submittals, pay applications, and change orders.			

Ben Bartlett, PE, PTOE (Continued)

03/19 – 09/21	<p>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: Project Engineer. Inspected temporary lane closures of over 10 miles long and provided suggested modifications to improve motorist safety. Managed 10 inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; managed inventory for ≈\$19,000,000 of stockpiled raw materials; inspected fabricated steel posts and rails prior to installation; coordinated construction materials testing; prepared change orders; and prepared project closeout documentation.</p>
02/16 – 10/18	<p>West Esplanade Avenue Canal Crossing (Between Williams Boulevard and David Drive) Owner: Jefferson Parish. Scope: Installation of a signalized canal crossing over the West Esplanade Canal (Canal No. 2) to access existing and future commercial developments. Cost: ≈\$730,000. Role: Project Manager and Lead Civil and Construction Engineer. Designed traffic signals, asphalt pavement, concrete curb and gutter, and pavement markings for new east and west U-turns. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared project closeout documentation.</p>
05/23 – 01/24	<p>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.</p>
03/25 – Present	<p>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.</p>
03/21 – 01/24	<p>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.</p>
10/23 – 01/24	<p>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.</p>
04/23 – 01/24	<p>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study Owner: Jefferson Parish. Scope: Traffic study in accordance with LaDOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). Fee: ≈\$190,000. Role: Lead Traffic Engineer. Led 5 field personnel for volume count, turning movement count, and driveway/median opening count equipment installation, peak period observations, and geometric field review. Determined peak period, peak hour, and unmet demand. Balanced volumes and prepared unbalanced and balanced volume maps. Performed traffic signal warrant analysis and crash data analysis. Prepared collision diagram and LaDOTD TEPR documentation.</p>

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	<ul style="list-style-type: none"> 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). AMPP (Formerly NACE/SSPC) Senior Certified Coatings Inspector (CIP Level 3). AMPP C3 Supervisor/Competent Person Training for Deleading and Hazardous Coatings Removal. Completed all LaDOTD Structural Concrete certification written exams (currently awaiting performance evaluation availability). Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger. Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course. 			
07/21 – 12/22	H.013897 – I-10 and I-12 College Flyover Ramp Design-Build Owner: LaDOTD. Scope: Replacement of I-10 WB flyover ramp; widening and rehabilitation of I-10 WB bridge over Ward Creek; and rehabilitation of I-12 to I-10 EB ramp and Essen Lane bridge over I-12. Cost: ≈\$50,000,000. Role: Lead Structural Independent Technical Reviewer. Reviewed plans and specifications. Analyzed reinforced concrete deck and barriers, 360’ skewed continuous steel plate girders, steel cross frames, PPC girders, reinforced concrete diaphragms, rolled steel girders, steel diaphragms, reinforced concrete bents, drilled shafts, and PPC piles. Identified potential design and constructability issues.			
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.			

John Karlin, SE, PE (Continued)

01/21 – 06/23	<p>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 Manager, Lead Structural Engineer, and Lead Construction Engineer. Analyzed existing bents and girders. Designed structure jacking plan, steel girder strengthening and repairs, bent cap strengthening, reinforced concrete risers, post-installed adhesive anchors and reinforcing bars, elastomeric bearing pads, and coating of steel components. Prepared plans, specifications, and opinions of probable construction cost (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.</p>
05/19 – 09/21	<p>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: Assistant Project Engineer. Inspected temporary lane closures of over 10 miles long. Managed 10 inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; managed inventory for ≈\$19,000,000 of stockpiled raw materials; inspected fabricated steel posts and rails prior to installation; coordinated construction materials testing; prepared change orders; and prepared project closeout documentation.</p>
11/24 – 04/25	<p>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.</p>
03/25 – Present	<p>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: Principal-in-Charge. Coordinated with St. Bernard Parish, DOTD, and the Contractor.</p>
04/20 – 03/22	<p>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.</p>
12/21 – 01/24	<p>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: Project Manager and Lead Structural Engineer. Led above water and underwater inspections. Managed 10 inspectors and 4 divers; evaluated CMAR contractor value engineering proposals; performed inspections; and reviewed RFIs and submittals.</p>
04/19 – 07/20	<p>St. Andrew Street Wharf Erosion Mitigation Project Owner: Port of New Orleans. Scope: Installation of bulkhead consisting of 50-foot long steel sheet pile wall and reinforced concrete pile cap and PCC pavement roadway repairs along the Mississippi River (1,600 feet long). Cost: ≈\$3,800,000. Role: Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared design modifications to accommodate field conditions. Prepared change orders and project closeout documentation.</p>

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Paul Beaulieu, EI		Years of relevant experience with this employer	<1
Title	Construction Manager		Years of relevant experience with other employer(s)	23
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: Assistant Project Engineer Responsibilities: Construction administration (including HeadLight and SiteManager duties), construction engineering, management of inspectors, 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).			
02/03 – Present	<ul style="list-style-type: none"> 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. 			
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 in accordance with the CMAR project delivery method.			
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: <ul style="list-style-type: none"> 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.			

Paul Beullieu, EI (Continued)

2007 – 2015	<p>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.</p>
2003 – 2007	<p>Freyou, Moore & Associates Role: Engineer. Scope: Supervised all aspects of over 300 engineering projects, including civil design, surveying drafting, contract writing, and plan detailing.</p>

16. Staff Experience:

Firm employed by Horizon Engineering, LLC				
Name	Katie Cooper, EI		Years of relevant experience with this employer	<1
Title	Engineer Intern		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		Bachelor of Science / 2009 / Civil Engineering		
Active registration number / state / expiration date		EI: 31865 / LA / 3/31/2026		
Year registered	2014	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).			
01/16 – 04/18	Four-Year Road Maintenance Program and Subdivision Inspection Owner: St. Charles Parish. Scope: Maintenance and construction of roads throughout St. Charles Parish. Role: Project Engineer/Manager. Performed engineering and construction management for roadwork to patch and mill/overlay roads in St. Charles Parish. Updated the Road Maintenance Manuals including an engineering report of the condition of Parish roads used to create the yearly Road Maintenance Project. Performed required engineering and subsequent construction management to determine the feasibility and construction of a right turn lane onto Highway 90 from Willowdale Boulevard.			
09/09 – 12/12	Roadway Restoration, Phases 1 through 4 Owner: St. Bernard Parish. Scope: Hurricane Katrina related roadway repairs. Role: Assistant Project Engineer. Assisted with construction management of roadways that were damaged by Hurricane Katrina, performed QA/QC reviews, reviewed contractor submittals, quantities, and as-built drawings, tracked the progress of ongoing construction contracts, and coordinated the road repair construction contracts with the Louisiana Land Trust demolition contracts to minimize conflicts between contracts.			
09/09 – 12/14	Roadway Restoration, Phases 5 through 17 Owner: St. Bernard Parish. Scope: Hurricane Katrina related roadway repairs. Role: Assistant Project Engineer. Assisted with construction management of roadways that were damaged by Hurricane Katrina totaling over \$80M, performed QA/QC reviews, reviewed contractor submittals, quantities, and as-built drawings, tracked the progress of ongoing construction contracts, coordinated the road repair construction contracts with the Louisiana Land Trust demolition contracts to minimize conflicts between contracts, and coordinated the Project Management and FEMA for eligibility for funding by FEMA for all additional work uncovered during construction.			
01/15 – 04/18	Off-System Bridge Program Owner: St. Bernard Parish. Scope: Bridge inspection and maintenance. Role: Engineer Intern. Monitored the Off-System Bridge Program by ensuring the Parish complied with the specifications of the program, tracked bridge inspections and reports, and mediated between the Parish and LaDOTD regarding funding, program changes, and progress.			
01/14 – 12/14	Waggaman Hydraulic Study Owner: Jefferson Parish. Scope: Hydraulic study for residential subdivisions in Jefferson Parish. Role: Engineer Intern. Assisted in performing a hydrologic study for three separate residential subdivisions in Waggaman, Louisiana (Waggaman, South Kenner, and Manor Lane), utilized the Storm Water Management Model (SWMM) to evaluate the existing subsurface drainage capacities, examined if the existing system can handle a 10-year design storm, developed a hydrologic and hydraulic model for each area, and recommended subsurface improvements based on the SWMM model to handle a 10-year design storm.			

Katie Cooper, EI (Continued)

05/15 – 04/18	<p>Emergency Pump-Out Installation Initiative Owner: Jefferson Parish. Scope: Installation and modifications of emergency pump-outs (EPO) at 268 lift stations throughout Jefferson Parish. Role: Engineer Intern. Evaluated the optimum location for new EPOs and required appurtenances, designed EPO modification upgrades, performed site surveys to document existing conditions, analyzed all information collected, generated site plans for each station, details, plans, and specifications for the installation of new EPOs at 192 lift stations and EPO modifications made at 76 lift stations. Oversaw all aspects of construction and installation.</p>
01/14 – 04/18	<p>Harvey Wastewater Treatment Plant Owner: Jefferson Parish. Scope: Upgrades to the Harvey Wastewater Treatment Plant. Role: Engineer Intern. Designed all plant improvements/upgrades, including new bar screens, access hatches for the bar screens, sluice gates, force main gate valve, improvements to grit piping, rehabilitation of the motor control center, electric and manual actuators for the gates, electric actuator for the gate valve, cleaning of the existing grit chambers, access hatches at the grit chamber, and repair of inoperable slide gates. Prepared plans and specifications and assisted the Parish in securing a Community Development Block Grant to fund the construction of the work and ensured all grant requirements were met. Oversaw all aspects of construction and installation.</p>
11/17 – 04/18	<p>Cleary Improvements (Veterans Blvd. to West Esplanade Avenue) Owner: Jefferson Parish. Scope: Roadway reconstruction and drainage improvements along Cleary Ave. Role: Engineer Intern. Assisted in the design of Cleary Ave. improvements including replacement of four-lane concrete street, sidewalks, driveways, and curb ramps, subsurface drainage, outfall pipe crossing W. Esplanade Ave. and discharging into canal, outfall pipe crossing Veterans Blvd. and discharging into canal, replacement of water mains crossing Cleary Ave. and West Esplanade Ave., coordinating utility relocations, and traffic phasing.</p>
09/12 – 01/13	<p>Disaster Debris Removal – Hurricane Isaac Owner: St. Charles Parish. Scope: Debris removal following Hurricane Isaac. Role: Assistant Project Engineer. Assisted with the preparation of specifications and procurement.</p>
09/09 – 06/13	<p>Louisiana Land Trust Demolition Program Owner: St. Bernard Parish. Scope: Demolition of structures, pavement, asbestos abatement, and site restoration for over 8,000 properties. Role: Assistant Project Engineer. Assisted with the preparation of specifications and procurement.</p>
01/13 – 12/13	<p>Venice and Buras Marina Repairs Owner: Plaquemines Parish. Scope: Repair of marinas following Hurricane Isaac. Role: Engineer Intern. Prepared repair designs.</p>

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Jeff Puissegur	Years of relevant experience with this employer	1
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 (Lead) 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	<ul style="list-style-type: none"> Over 16 years of inspection experience, including many recent LaDOTD and LaDOTD LPA CE&I road improvement 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.		
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.		
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.		

Jeff Puissegur (Continued)

01/21 – 12/21	<p>Milneburg Group B (FRC) Streets Owner: City of New Orleans. Scope: Replacement of asphalt roadway and drainage, sewer, and water improvements. Cost: ≈\$8,300,000. 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.</p>
05/24 – 08/24	<p>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.</p>
01/24 – 05/24	<p>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: 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.</p>
03/25 – 10/25	<p>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.</p>
06/23 – 12/23	<p>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 handicap ramps. Cost: ≈\$1,000,000. 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 drop inlets, manholes, and other drainage structures in the roadway. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.</p>
11/23 – 02/24	<p>H.014317.6 – Carey St. Pavement Rehabilitation Owner: City of Slidell (LaDOTD LPA project). Scope: Repair/replacement of deficient PCC pavement panels, curb, driveways, and handicap ramps. Cost: ≈\$970,000. Role: 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 drop inlets, manholes, and other drainage structures in the roadway. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.</p>
08/24 – 11/24	<p>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.</p>

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	<ul style="list-style-type: none"> Over 12 years of inspection experience, including LaDOTD and LaDOTD LPA 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 – 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.			
04/25 – 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.			
04/21 – 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	<p>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.</p>
02/22 – 04/22	<p>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.</p>
01/17 – 09/20	<p>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.</p>
01/16 – 01/17	<p>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.</p>
06/12 – 01/16	<p>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.</p>

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Jack Burnett	Years of relevant experience with this employer	<1
Title	Inspector	Years of relevant experience with other employer(s)	19
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: Assist Primary Inspector with inspection and construction documentation.	
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	<ul style="list-style-type: none"> 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.		
03/17 – 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.		
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	<1
Title	Senior Inspector	Years of relevant experience with other employer(s)	31
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: Assist Primary Inspector with inspection and construction documentation.	
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 – Ongoing	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	<p>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.</p>
09/05 – 09/07	<p>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.</p>
02/22 – 06/22	<p>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.</p>

16. Staff Experience:

Firm employed by Horizon Engineering, LLC			
Name	Evan Mire	Years of relevant experience with this employer	<1
Title	Inspector	Years of relevant experience with other employer(s)	5
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: Assist Primary Inspector with inspection and construction documentation.	
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.		

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.

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

The Fortune Road Pavement Preservation project 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. Construction was completed in June 2025 and Horizon is currently finalizing the project closeout documentation.

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)	106	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	106	

The St. Bernard Pedestrian Improvements project 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. Construction was substantially completed in July 2025 and all punch list items were completed in August 2025. Horizon is currently finalizing the project closeout documentation.

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	Signal Upgrade: Sgt Alfred Dr @ Cleveland (CE&I)		Firm responsibility (prime or sub?)	Prime
Project number	H.014737.6	Owner's name	City of Slidell (LaDOTD LPA project)	
Project location	Slidell, Louisiana		Owner's Project Manager	Christi Lambertson
Owner's address, phone, email	250 Bouscaren St, Slidell, LA 70458 / (985) 646-4270 / clambertson@cityofslidell.org			
Services commenced by this firm (mm/yy)	09/25	Total consultant contract cost (\$1,000's)	137	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	124	

The Signal Upgrade: Sgt Alfred Dr @ Cleveland project will replace the existing wire mounted traffic signals and install new crosswalks and pedestrian signals, which will improve traffic flow, decrease maintenance costs, and improve pedestrian and bicyclist safety. Horizon is currently providing construction engineering and inspection services for the project.

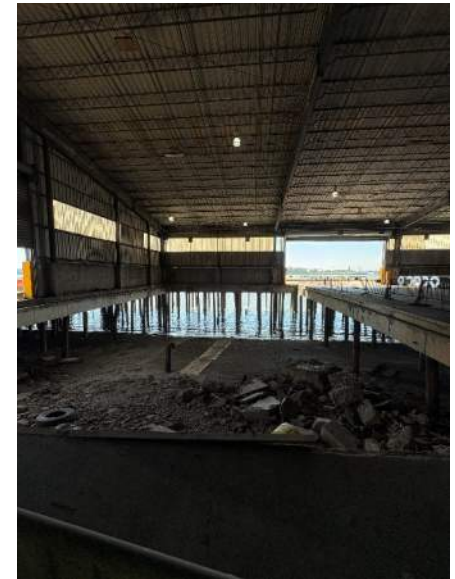
Firm Members Involved: Ben Bartlett, Brett Liuzza, and John Karlin

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.

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



18. Approach and Methodology:

The west bank of Jefferson Parish is 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. Harvey Blvd. currently terminates to the west at Jupiter St./Village Green St., with a restricted gravel road continuing to the west until the Murphy Canal and another restricted gravel road extending from the west side of the Murphy Canal to Peters Rd. State Project No. H.007208 [Harvey Blvd Ext (Peters Rd-Manhattan)] will extend Harvey Blvd. to the west such that it crosses the Murphy Canal and connects to Peters Rd., providing a much more direct route than the current available routes via Lapalco Blvd. or Harvey Blvd./Engineers Rd. The project consists of a new two-lane asphalt road, subsurface drainage system, road lighting, precast prestressed concrete multi-span slab span bridge over the Murphy Canal, and turn lanes along Peters Rd. Additionally, the project includes significant excavation and embankment work to address the poor soil conditions and existing drainage ditches as well as extensive powerline relocations to clear the road alignment of obstructions. This project will have a positive impact on the community by improving the connectivity of the west bank and alleviating traffic along other major roads. 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. UTILITY RELOCATIONS

Numerous transmission and distribution powerlines are located within the limits of the new road and are connected to Entergy's Peters Road 230 KV Substation, which is adjacent to the project site and must remain operational to avoid disruptions to the surrounding area (see Figure 1). These powerlines need to be relocated to facilitate construction; however, these critical relocations have not yet begun and have the potential to severely disrupt the project.

Horizon will work with the Contractor to identify any potential utility conflicts that are not addressed by the plans and specifications well in advance of the start of construction. Horizon will also 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 and are familiar with this process and the typical timeframe for its completion.



Figure 1: Required Powerline Relocations and Adjacent Entergy Substation

2. SOIL CONDITIONS

The project site consists of extremely poor soils and many existing drainage ditches. The Contractor is required to field verify excavation limits and depths under the direction of the Project Engineer to ensure that suitable soil is reached prior to installing the non-plastic embankment road subbase and drainage pipes/structures base. 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. 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

HORIZON ENGINEERING, LLC

embankment quantities, which will help Jefferson Parish and DOTD avoid unnecessary cost increases.

3. ADJACENT PROPERTIES

The project limits are adjacent to many industrial and residential properties, including FMT Shipyard along Peters Rd., Entergy's Substation and the Village Green private community to the south, and a new residential development that is currently under construction (in the sitework phase) to the north (see Figure 2).



Figure 2: New Residential Development

The new residential development to the north is immediately adjacent to the required right-of-way. Horizon will ensure that the Contractor's operations remain within the approved limits of construction and are properly coordinated with the private developer's contractor(s). Additionally, Horizon will ensure that the Contractor performs vibration monitoring during pile driving activities to avoid potential complaints and/or damage to the surrounding residential and industrial properties and Harvey Canal floodwall.

4. PROPERTY ACCESS AND TRAFFIC

Many industrial properties are accessed solely via Peters Rd.; therefore, a well-designed sequence of construction and temporary traffic control plan will be required to minimize disruptions to the many marine contractors, shipyards, and other similar businesses that rely on this road. Four driveways to FMT Shipyard are specified to be removed and replaced to facilitate drainage installation on the west side of Peters Rd., three of which are currently not used (i.e., floodgates remain closed) and one of which provides primary

access to the property. Horizon will assist the Contractor with coordinating with FMT Shipyard and/or SLFPA-W to determine whether one or more of the floodgates can be opened to provide temporary access while the primary driveway is replaced. If this is not an option, Horizon will ensure that the Contractor keeps the primary driveway at least partially open by completing the work during off-hours, in two or more phases, and/or using high early strength concrete. The driveway/gravel road that provides access to Entergy's Substation will also need to always remain open. Additionally, the plans require the Contractor to provide flaggers on Peters Rd. during installation of the new turn lanes. Alternatively, the Contractor could potentially use temporary traffic signals and/or redirect traffic around the work using temporary diversion roads and/or the newly constructed turn lanes depending on the duration of the work. Horizon will ensure that the road is reopened to two-way traffic when the Contractor is not working. Lastly, Horizon will assist the Contractor and Jefferson Parish with notifying impacted properties of the anticipated start date, duration, and impacts of the work and issuing timely lane/road closure notices. Horizon will also assist with continuous coordination with Entergy, FMT Shipyard, Village Green, and Jefferson Parish emergency services (JPSO, Fire Department, etc.) to minimize disruptions. If the Contractor plans to temporarily close any portions of Peters Rd., emergency services will need to be notified and/or provisions to open the road to emergency vehicles will need to be implemented. This is especially important given the recent major fire at a contractor's property along Peters Rd. and the need for the fire department to always be able to access these properties during emergencies. Horizon will inspect the temporary traffic control signs and devices to ensure that they are correctly implemented, monitored, and maintained.

5. EXCAVATION AND PILE DRIVING

Portions of the work along and adjacent to Peters Rd. are 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, Horizon's personnel are familiar with helical pile installation and will verify that all road lighting piles are installed properly and in accordance with the manufacturer's instructions.

6. COORDINATION

As a Local Public Agency (LPA) project, coordination with Jefferson Parish, DOTD District 02, Contractor, Engineer of Record, and other affected stakeholders (e.g., Entergy, businesses along Peters Rd., and residents) will be critical to ensure that all project team members are on the same page. Horizon's office is less than 30 minutes from the project site and our personnel will always be available to respond to Jefferson Parish and DOTD's needs. Additionally, our personnel have worked on many major Jefferson Parish projects (including DOTD LPA projects), such as the Rehabilitation of Causeway Blvd./Airline Dr. Interchange, Widening of Causeway Blvd., Jefferson Parish Submerged Roadways Program, and Geisenheimer Canal Improvements, making us very familiar with Jefferson Parish's construction requirements and standard plans. 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, Susan Treadway, and Chanan Joseph); DOTD (Brent Waguespack); and Engineer of Record [Daniel Bobeck (Civil/Structural) and Chad Poche (Geotechnical)], which will facilitate seamless coordination throughout the project.

7. DRAINAGE

During construction, portions of the existing ditches along Peters Rd. and throughout the project site will be obstructed; therefore, temporary bypass pumps will likely be required to maintain drainage. Horizon will verify that bypass pumps are adequate and operational

and that additional precautionary measures are taken in advance of anticipated inclement weather. Additionally, Horizon will ensure that the Contractor does not reduce the drainage capacity of the Murphy Canal during construction of the bridge, especially during hurricane season. Lastly, the plans require the Contractor to replace an existing drainage pipe crossing Peters Rd. with RCP (Pipe 901) while maintaining traffic. To achieve this, an installation method that does not disturb the existing road, such as horizontal directional drilling, will be required; however, this method may not be practical with RCP. If RCP and maintenance of traffic is necessary, the Contractor may need to be allowed to use an open cut, which would likely necessitate the construction of a diversion road on the west and/or east side of Peters Rd. Another option would be to use HDPE or another similar material that can be installed using horizontal directional drilling.

8. PRECAST COMPONENTS

The project includes numerous precast components, including the bridge precast prestressed concrete slab segments, which are nonstandard, and drainage pipes/structures. Horizon will inspect precast components at the plant if requested by DOTD to ensure that they are fabricated correctly prior to transportation to the site and inspect the components again upon arrival at the site to ensure that they were not damaged during transportation and handling.

9. CONSTRUCTION QUALITY

The quality of construction of an asphalt road has a major impact on its durability, longevity, and rideability. Potholes and other similar localized failures typically occur due to underlying base issues, such as poor compaction and inadequate drainage. Depressions and cracking can also occur due to poor asphalt compaction and joint construction. 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 asphalt laying and compaction. Delamination, slippage, and other similar bond failures typically occur due to poor

adhesion between the wearing course and binder course. After sweeping, and immediately prior to tack coat application and laying of the wearing course, Horizon will inspect the binder course surface to ensure that it is dry and has been adequately prepared/cleaned to remove debris and other bond-inhibiting contaminants.

STAFFING PLAN

Horizon's Project Engineer, Brett Liuzza, has recently worked on many DOTD LPA CE&I road projects, including coordinating with businesses and residents and adjusting drainage and utilities. He will direct two primary certified inspectors for the project, with three backup uncertified inspectors (including Jack Burnett, a former DOTD District 02 electrician specialist) also available if needed to assist with road lighting and powerline relocation electrical inspections and accommodate the Contractor's manpower allocation, construction schedule, work hours, and other similar factors. He will remain in constant contact with the inspector(s) 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 30 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 Jefferson Parish and DOTD's requirements:

PRE-CONSTRUCTION PHASE

- **Submit QA/QC Plan:** Submit Horizon's QA/QC plan to Jefferson Parish and 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 Jefferson Parish's Responsible Charge and Project Manager and DOTD's Project Coordinator and District 02 Lab Engineer to review roles, responsibilities, and expectations and project/contract requirements.
- **Preconstruction Conference:** Meet with Jefferson Parish's Responsible Charge and Project Manager; DOTD's Project Coordinator, Compliance Office, District 02 Utility Specialist, and District 02 Lab Engineer; FHWA; 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 and uploaded to SiteManager 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 and uploaded to SiteManager.
- **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, and Jefferson Parish.
- **Coordination:** Continuously coordinate with stakeholders, including the preconstruction conference attendees. Meet with Jefferson Parish and DOTD when requested at their offices or on the project site. Coordinate with the Contractor to distribute lane/road closure notifications to local media outlets upon approval by Jefferson Parish.

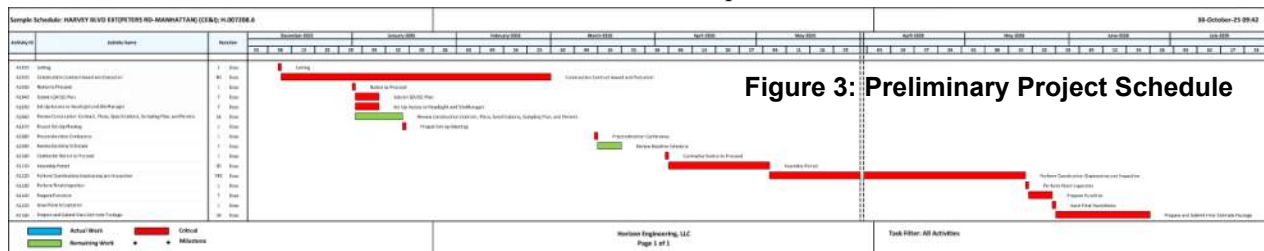
- **Monthly Progress Reports:** Prepare monthly progress reports describing the construction progress to date, Contract Time elapsed, and the number and value of approved change orders.
- **Bi-Weekly Progress Meetings:** Meet with project team members, including the preconstruction conference attendees 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 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 Jefferson Parish. Prepare and distribute notices of nonconformance and monitor remediation efforts to ensure that nonconforming work is repaired or replaced to the satisfaction of Jefferson Parish.

- **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 Jefferson Parish, 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 Jefferson Parish and DOTD for approval.
- **Claims:** Monitor, document, and review claims from the Contractor and provide recommendations to Jefferson Parish and 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, Jefferson Parish, 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 Jefferson Parish and 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.

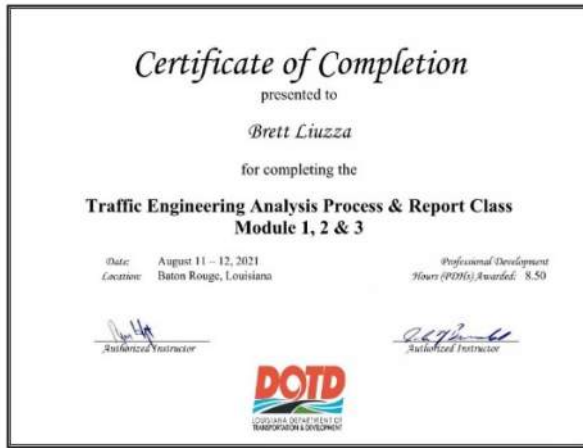


19. Workload:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	CE&I/OV	Contract No. 4400029428 S. P. No. H.014049.6	St. Bernard Pedestrian Improvements (CE&I)	\$3,298
	CE&I/OV	Contract No. 4400029661 S. P. No. H.012868.6	Fortune Road Pavement Preservation (CE&I)	\$26,664
	CE&I/OV	Contract No. 4400030048 S. P. No. H.012867.6	S Larriviere Rd: LA 92 – Chemin Metairie (CE&I)	\$509,323
	CE&I/OV	Contract No. 4400031927 S. P. No. H.014737.6	Signal Upgrade: Sgt Alfred Dr @ Cleveland (CE&I)	\$124,605

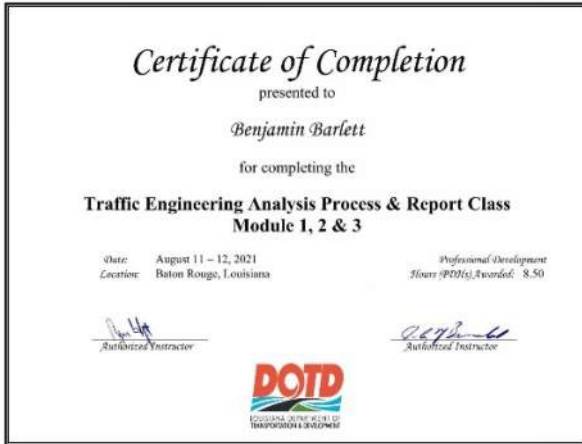
20. Certifications/Licenses:

Brett Liuzza, PE



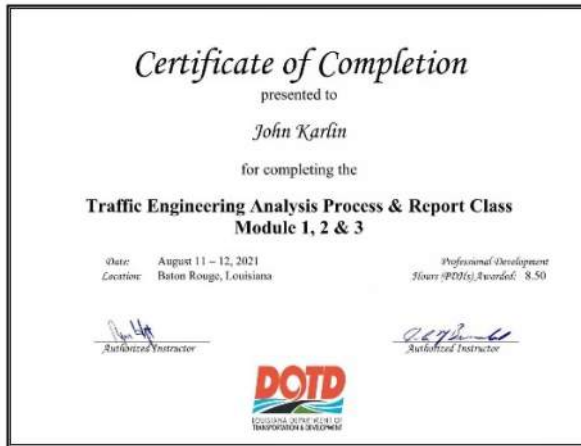
20. Certifications/Licenses:

Ben Bartlett, PE, PTOE



20. Certifications/Licenses:

John Karlin, SE, PE



20. Certifications/Licenses:

John Karlin, SE, PE (Continued)



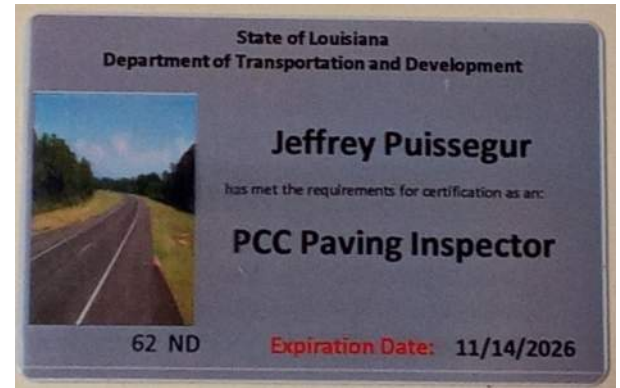
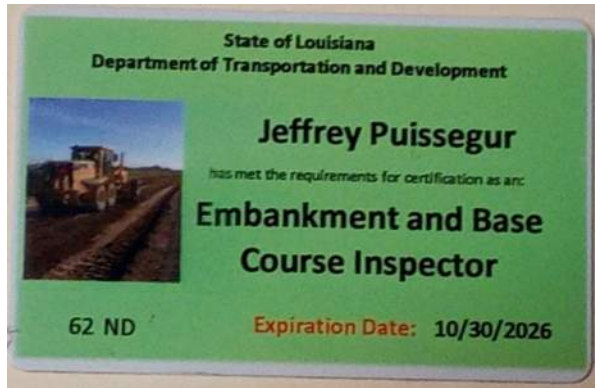
20. Certifications/Licenses:

Paul Beullieu, EI



20. Certifications/Licenses:

Jeff Puissegur



20. Certifications/Licenses:

Keith Schulz



20. Certifications/Licenses:

Jack Burnett



*Awaiting receipt of flagger certification card in mail.

20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State

The screenshot displays the Louisiana Secretary of State's website interface. At the top, there is a header with the Louisiana Secretary of State logo, the name 'NANCY LANDRY', and a 'HOME' link. Below the header is a navigation bar with links for 'Buy Certificates and Certified Copies', 'Subscribe to Electronic Notification', and 'Print Detailed Record'. The main content area shows a table with one entry for 'HORIZON ENGINEERING, LLC'. Below the table, there are sections for 'Previous Names', 'Business Information', 'Domicile Address', 'Mailing Address', and 'Status'.

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

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

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

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

Status
 Status: Active
 Annual Report Status: In Good Standing
 File Date: 12/14/2023
 Last Report Filed: 1/9/2025
 Type: Limited Liability Company

Horizon Engineering, LLC

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:

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

Firm Name (Name must match <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

(Add rows as needed)

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.**