

CONTRACT NO. 4400029877  
STATE PROJECT NO. H.013429.6  
ENTITY: DOWNTOWN THIBODAUX  
SIDEWALKS (CE&I)

JULY 16, 2024



SUBMITTED BY:  
HORIZON ENGINEERING, LLC



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

# DOTD FORM: 24-102

## PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised January 1, 2023)

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	ENTITY: DOWNTOWN THIBODAUX SIDEWALKS (CE&I)
2. Contract Number(s) as shown in the advertisement	4400029877
3. State Project Number(s), if shown in the advertisement	H.013429.6
4. Prime consultant name ( <b>name must match as registered with the Louisiana Secretary of State where such registration is required by law</b> )	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:

July 16, 2024

Date:

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

Firm(s):

N/A

Firm(s)' %:


N / A

**12. Past Performance Evaluation Discipline Table:**

Past Performance Evaluation Discipline(s)	% of Overall Contract	Horizon Engineering, LLC <b>(Prime)</b>	Each Discipline must total to 100%
CE&I/OV	100%	100%	<b>100%</b>
Percent of Contract	<b>100%</b>	100%	<b>100%</b>



**13. Firm Size:**

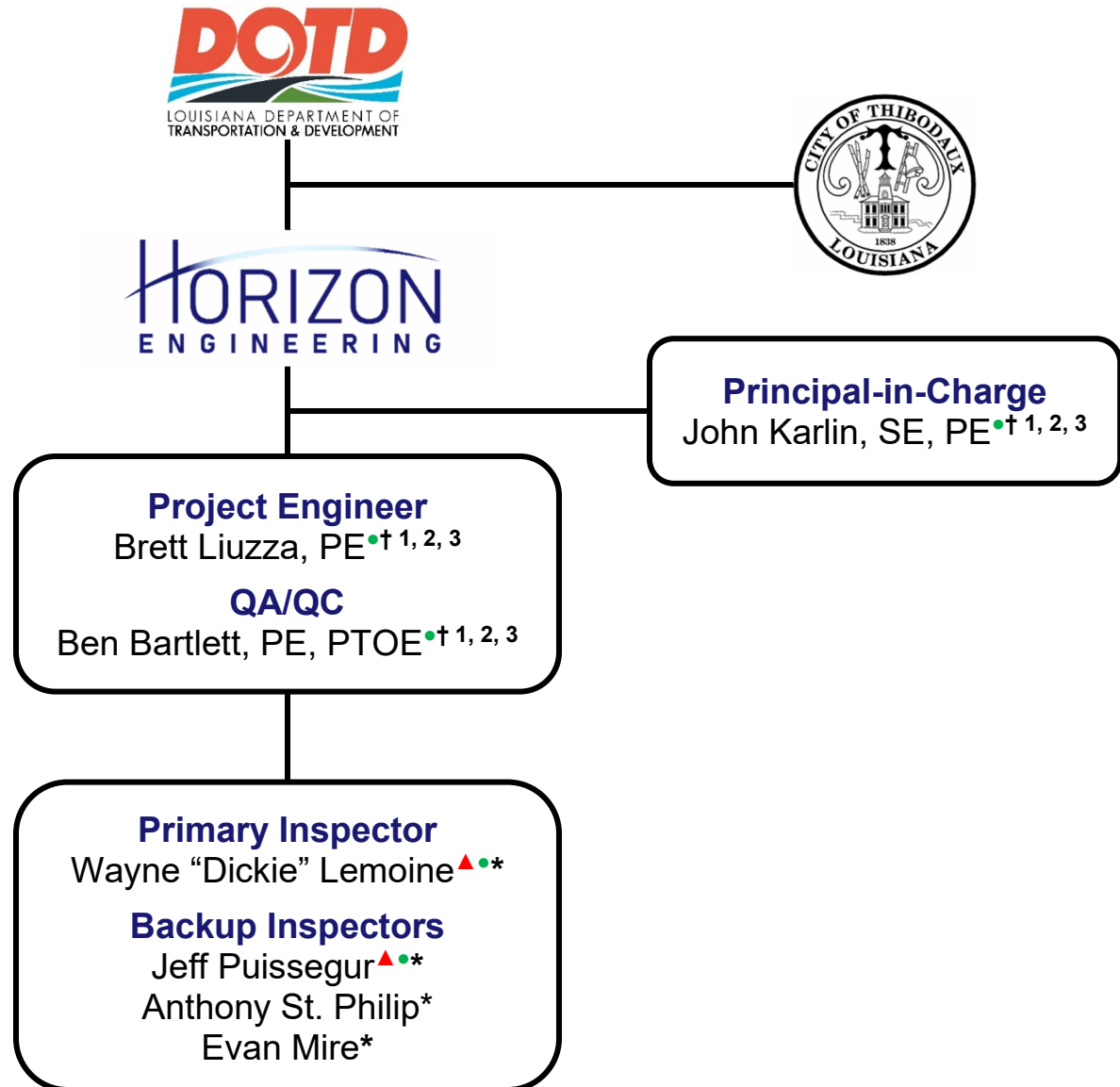
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Principal	1	3
	Supervisor-Eng	1	3
	Engineer	1	3
	Inspector-Certified	2*	3
	Inspector	2*	3

\*Based on the project's scope of work, we anticipate that only one full-time certified inspector will be required; however, we can provide one additional certified inspector and two additional uncertified inspectors to assist with field and office tasks, such as inspections and 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
- 1 Satisfies MPR No. 1
- 2 Satisfies MPR No. 2
- 3 Satisfies MPR No. 3



\*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 – Structural	LA  IL	3/31/2025  11/30/2024
2	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020 – Traffic Operations	LA USA	9/30/2024 3/29/2025
3	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020 – Traffic Operations	LA USA	9/30/2024 3/29/2025

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Brett Liuzza, PE		Years of relevant experience with this employer
Title	Co-Founder and Principal		<1
		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Civil Engineering	
Active registration number / state / expiration date		37753 / LA / 9/30/2025	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		<b>Role:</b> Project Engineer ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> Construction administration (including SiteManager duties), construction engineering, management of inspectors, and coordination with City of Thibodaux and DOTD.	
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"> <li>• 16 years of construction administration and construction engineering experience, including many recent LaDOTD LPA CE&amp;I road projects, and design experience, including sidewalks and curb ramps complying with ADA.</li> <li>• Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>• Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> <li>• Completed Louisiana State Civil Service CPTP SCS Cybersecurity WBT.</li> </ul>		
07/23 – 01/24	<b>S.P. No. H.011779.6 Power Blvd Median Improvements</b> <b>Owner:</b> City of Kenner (LaDOTD LPA project). <b>Scope:</b> 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. <b>Cost:</b> ≈\$3,400,000. <b>Role:</b> Construction Engineer. Performed inspections; reviewed RFIs, submittals, and pay applications; performed Site Manager duties; coordinated construction materials testing; and prepared change orders.		
05/23 – 01/24	<b>S.P. No. H.014315.6 Grafton Drive Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curbs, driveways, and curb ramps. <b>Cost:</b> ≈\$1,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; performed SiteManager duties; coordinated construction materials testing; developed adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared change orders; and prepared project closeout documentation.		
10/23 – 01/24	<b>S.P. No. H.014317.6 Carey St. Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curbs, driveways, and curb ramps. <b>Cost:</b> ≈\$970,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; performed SiteManager duties; coordinated construction materials testing; developed adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared change orders; and prepared project closeout documentation.		

## Brett Liuzza, PE (Continued)

07/21 – 01/24	<p><b>S.P. No. H.007273.6 Magazine St (Leake Ave to East Drive)</b>  <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of asphalt roadway with PCC pavement roadway (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$4,500,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; developed adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; performed Site Manager duties; coordinated construction materials testing; prepared change orders; and prepared project closeout documentation.</p>
10/18 – 10/23	<p><b>S.P. No. H.007271.6 Canal Blvd (R.E. Lee – Amethyst)</b>  <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of asphalt roadway (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water, improvements. <b>Cost:</b> ≈\$4,500,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Led construction engineering and inspection. Managed 2 inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; developed adjustments to drop inlets, manholes, and other drainage structures in the roadway; performed SiteManager duties; coordinated construction materials testing; prepared change orders; and prepared project closeout documentation.</p>
07/13 – 04/16	<p><b>Jefferson Parish Submerged Roadways Program</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Evaluation of Hurricane Katrina related roadway damage and repair/replacement of deficient roadways (85 PCC pavement streets and 8 miles of asphaltic concrete roadway). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Construction Engineer. Evaluated roadway damage; performed inspections; managed inspectors; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.</p>
09/20 – 07/22	<p><b>Milneburg Group B (FRC) Streets</b>  <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.</p>
07/13 – 05/22	<p><b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b>  <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.</p>
05/21 – 12/22	<p><b>RR122 and RR123 Marlyville-Fontainebleau Groups G and H (FRC)</b>  <b>Owner:</b> City of New Orleans. <b>Scope:</b> Roadway reconstruction, including drainage, sewer, and water lines and curbs, driveways, sidewalks and curb ramps. <b>Cost:</b> ≈\$23,000,000 (est.). <b>Role:</b> Project Manager and Lead Civil 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; performed inspections; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Ben Bartlett, PE, PTOE		Years of relevant experience with this employer
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)
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 / 9/30/2024 PTOE: 4020 / USA / 3/29/2025	
Year registered	PE: 2014 PTOE: 2016	Discipline	Civil Engineer Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		<b>Role:</b> Quality Assurance/Quality Control ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> 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"> <li>15 years of construction administration and construction engineering experience, including many recent LaDOTD LPA CE&amp;I road projects, and design experience, including sidewalks and curb ramps complying with ADA.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>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.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> <li>Completed Louisiana State Civil Service CPTP SCS Cybersecurity WBT.</li> </ul>		
05/23 – 01/24	<b>S.P. No. H.011779.6 Power Blvd Median Improvements</b> <b>Owner:</b> City of Kenner (LaDOTD LPA project). <b>Scope:</b> 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. <b>Cost:</b> ≈\$3,400,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Led construction engineering and inspection. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; performed SiteManager duties; coordinated construction materials testing; and prepared change orders. During construction, re-evaluated the location of a pedestrian crossing at Vintage Dr. and prepared a report that identified an improved crossing location based on vehicular and pedestrian traffic data as well as existing site features.		
03/21 – 01/24	<b>S.P. No. H.013939.6 Veterans Blvd Transit Signal Priority</b> <b>Owner:</b> Jefferson Parish (LaDOTD LPA project). <b>Scope:</b> Installation of new traffic signal controllers and a transit signal priority system along Veterans Blvd. (32 intersections between Loyola Dr. in Jefferson Parish and Pontchartrain Blvd. in Orleans Parish and 22 Jefferson Parish Transit buses). <b>Cost:</b> ≈\$510,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors; reviewed RFIs, submittals, and pay applications; performed SiteManager duties; coordinated priority system testing; advised on priority system requirements and operational gaps; and prepared change orders.		



## Ben Bartlett, PE, PTOE (Continued)

10/23 – 01/24	<b>S.P. No. H.014317.6 Carey St. Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curbs, driveways, and handicap ramps. <b>Cost:</b> ≈\$970,000. <b>Role:</b> Construction Engineer. Managed inspectors; reviewed RFIs, submittals, and pay applications; reviewed construction materials testing; developed adjustments to handicap ramps based on existing site conditions; reviewed change orders; and reviewed project closeout documentation.
06/10 – 09/14	<b>St. Charles Parish Road Maintenance Program</b> <b>Owner:</b> St. Charles Parish. <b>Scope:</b> Annual inspection of all St. Charles Parish owned roadways for the repair/replacement of deficient roadways. <b>Cost:</b> ≈\$1,500,000 annually. <b>Role:</b> Program Manager and Lead Construction Engineer. Led inspections and updated the Parish's roadway inventory database. Developed roadway repair/replacement priority lists for the verifiable expenditure of state/federal funds. Designed asphaltic concrete pavement mill/overlay and patching, PCC pavement panel replacement, sidewalk modifications, ADA compliant ramps, and utility adjustments. Managed inspectors; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.
01/20 – 06/21	<b>Lakeside Mall - Severn Avenue Intersection Traffic Study and Improvements</b> <b>Owner:</b> Private. <b>Scope:</b> Traffic study for the Lakeside Mall entrance/exit along Severn Avenue at the JC Penney parking lot and redesign of the existing entrance/exit along Severn Avenue. <b>Cost:</b> \$400,000 (est.) <b>Role:</b> Project Manager and Lead Civil, Traffic, and Construction Engineer. Developed traffic count plan and led 4 field personnel for the installation of equipment to gather volume counts, turning movement counts, and pedestrian counts within Lakeside's internal roadway network and along Severn Avenue adjacent to the existing entrance/exit. Performed warrant analysis and developed plans and specifications for the expansion of the existing entrance/exit along Severn Avenue; the relocation of public and private utilities (sewer, water, drainage, electricity, gas, internet); the replacement of the existing grease trap system/tank; and the installation of new ADA compliant pedestrian routes. Managed inspectors; reviewed RFIs, submittals, and pay applications; coordinated construction materials testing; and prepared change orders.
01/21 – 06/23	<b>Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Structural inspection and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). <b>Cost:</b> ≈\$13,000,000. <b>Role:</b> Construction Engineer. Managed 4 inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; coordinated construction materials testing; assisted with the development of adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement; coordinated emergency concrete barrier rail repairs; coordinated and developed field adjustments for emergency deck repairs to replace failed expansion joint with only weekend road closures; prepared change orders; and prepared project closeout documentation.
03/19 – 09/21	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Led construction engineering and inspection. 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.

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	John Karlin, SE, PE		Years of relevant experience with this employer
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)
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 / 3/31/2025 SE: 081-008511 / IL / 11/30/2024		
Year registered	PE: 2020 SE: 2020	Discipline	Civil Engineer and Structural Engineer Structural Engineer
Contract role(s) / brief description of responsibilities	<b>Role:</b> Principal-in-Charge ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> Contract administration and coordination with City of Thibodaux and DOTD.		
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"> <li>7 years of construction administration and construction engineering experience.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> </ul>		
07/21 – 12/22	<b>S.P. No. H.013897 I-10 and I-12 College Flyover Ramp Design-Build</b> <b>Owner:</b> LaDOTD. <b>Scope:</b> 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. <b>Cost:</b> ≈\$52,000,000. <b>Role:</b> 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; and identified potential design and constructability issues.		
10/23 – 01/24	<b>S.P. No. H.004791 Belle Chasse Bridge and Tunnel Replacement (Public-Private Partnership Project)</b> <b>Owner:</b> United States Army Corps of Engineers (USACE)/LaDOTD. <b>Scope:</b> Replacement of 2-lane vertical lift Judge Perez Bridge and 2-lane Belle Chasse Tunnel with 4-lane fixed bridge over GIWW. <b>Cost:</b> ≈\$134,000,000. <b>Role:</b> Safety Assurance Review (SAR) Panel Lead Structural Reviewer. Led structural review in accordance with USACE SAR requirements. Visited site; 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; and identified potential public safety issues.		
04/20 – 03/22	<b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Construction Engineer. Performed inspections; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.		

## John Karlin, SE, PE (Continued)

01/21 – 06/23	<b>Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). <b>Cost:</b> ≈\$13,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed 4 inspectors; 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; coordinated emergency concrete barrier rail repairs; designed, coordinated, and developed field adjustments for emergency deck repairs to replace failed expansion joint with only weekend road closures; prepared change orders; and prepared project closeout documentation.
05/19 – 09/21	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Construction 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.
12/21 – 01/24	<b>Nashville Avenue Wharf “A” Substructure Repairs Phase 2 (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> 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). <b>Cost:</b> ≈\$25,000,000 (est.). <b>Role:</b> 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.
04/19 – 07/20	<b>St. Andrew Street Wharf Erosion Mitigation Project</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> 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). <b>Cost:</b> ≈\$3,800,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Led construction engineering and inspection. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; prepared change orders; and prepared project closeout documentation.
04/23 – 01/24	<b>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Traffic study in accordance with LADOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). <b>Fee:</b> ≈\$190,000. <b>Role:</b> Project Manager and Traffic Engineer. Led coordination with Jefferson Parish, LaDOTD Traffic Engineering Division, RPC, JPSO, and LSP. Prepared scope of work; managed 6 field personnel for volume count, turning movement count, and driveway/median opening count equipment installation, peak period observations, and geometric field review; and reviewed peak period, peak hour, unmet demand, balanced volumes, and unbalanced and balanced volume maps.

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Wayne “Dickie” Lemoine		Years of relevant experience with this employer
Title	Senior Inspector		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Coursework at Nicholls State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<b>Role:</b> Primary Inspector <b>Responsibilities:</b> Inspection and construction documentation (including HeadLight and SiteManager duties).	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/71 – Present	<ul style="list-style-type: none"> <li>• 53 total years of inspection experience, including serving as the lead inspector for major bridge construction projects.</li> <li>• 33 years of DOTD inspection experience, including serving as the Bridge Maintenance Inspection Supervisor for District 02.</li> <li>• Certified by LaDOTD in <b>Structural Concrete</b> (previously held certifications in <b>Embankment and Base Course, PCC Paving, Concrete Pipe Installation, and Metal Pipe Installation</b>).</li> <li>• Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>• Completed numerous inspection, engineering, and surveying training courses, including LaDOTD Comprehensive Bridge Inspection Training, LaDOTD Comprehensive Movable Bridge Inspection Training, PennDOT Basic Bridge Safety Inspector’s Training, University of Wisconsin-Madison Bridge Inspection Update, University of Wisconsin-Madison Nondestructive Evaluation of Bridge Conditions, and SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures.</li> </ul>		
05/71 – 05/04	<b>LaDOTD District 02 Bridge Inspections</b> <b>Owner:</b> LaDOTD. <b>Scope:</b> Structural inspections of thousands of on-system and off-system fixed bridges, moveable bridges, tunnels, locks, and box culverts throughout LaDOTD District 02. <b>Role:</b> Multiple roles, including District 02 Bridge Maintenance Inspection Supervisor, Bridge Inspector Team Leader, Engineering Specialist, and Engineering Aide. Planned, scheduled, supervised, and performed in-depth and routine structural inspections in accordance with the National Bridge Inspection Standards (NBIS). Estimated bridge damage repair costs; supervised repairs completed by bridge maintenance crews; inspected road construction; surveyed; and sampled and tested soil and concrete.		
11/06 – 06/13	<b>Huey P. Long Bridge Widening</b> <b>Owner:</b> LaDOTD. <b>Scope:</b> Widening of the Huey P. Long Bridge while maintaining vehicular traffic (nearly 50,000 ADT), railroad traffic, and marine traffic. <b>Cost:</b> ≈\$1,200,000,000. <b>Role:</b> Lead Inspector. Managed 22 inspectors. Performed inspections; reviewed quantities; prepared daily reports; used rope access techniques to climb and inspect trusses; uploaded documentation to SiteManager; reviewed inspector SiteManager uploads; coordinated with 4 contractors; assisted with coordination of construction materials testing; performed sampling and field testing of concrete; and assisted with the review of RFIs.		

## Wayne “Dickie” Lemoine (Continued)

05/21 – 02/23	<b>Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). <b>Cost:</b> ≈\$13,000,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; assisted with the review of RFIs; assisted with the 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.
03/19 – 07/20	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Lead Inspector. Inspected temporary lane closures of over 10 miles long; performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; and assisted with the review of RFIs.
02/14 – 12/15	<b>LA 70: Mississippi River Bridge – Phase II</b> <b>Owner:</b> LaDOTD. <b>Scope:</b> Coating of the Sunshine Bridge and strengthening of steel members to address corrosion (22,000 ADT). <b>Cost:</b> ≈\$25,000,000. <b>Role:</b> Lead Inspector. Managed inspectors. Performed inspections of coatings, structural steel, concrete repairs, and temporary traffic control; reviewed quantities; prepared daily reports; uploaded documentation to SiteManager; assisted with coordination of construction materials testing; and assisted with the review of RFIs.
09/20 – 12/20	<b>Violet Siphon Intake Structure Repairs</b> <b>Owner:</b> CPRA. <b>Scope:</b> Replacement of damaged siphon intake structure with steel support frame and warning piles in the Mississippi River. <b>Cost:</b> ≈\$250,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; and assisted with the review of RFIs.
12/16 – 07/18	<b>S.P. No. H.011217.6 Demolition of 9-Mile Turnaround Spans</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Demolition of 9-mile turnaround spans of Lake Pontchartrain Causeway Bridge. <b>Cost:</b> ≈2,500,000. <b>Role:</b> Lead Inspector. Performed inspections of removal of span superstructure and substructure; reviewed quantities; prepared daily work records (DWRs); used SiteManager; assisted with coordination of construction materials testing; and assisted with the review of RFIs.
06/21 – 06/21	<b>Erato Street Cruise Terminal Inspection</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Structural inspection of 6-level parking garage precast concrete beam ends, corbels, and bearing pads. <b>Role:</b> Inspector. Performed inspections and assisted with preparation of inspection report.



**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Jeff Puissegur		Years of relevant experience with this employer
Title	Senior Inspector		Years of relevant experience with other employer(s)
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		<b>Role:</b> Backup Inspector <b>Responsibilities:</b> 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).		
2008 – Present	<ul style="list-style-type: none"> <li>• 16 years of inspection experience, including many recent LaDOTD LPA CE&amp;I road projects.</li> <li>• Certified by LaDOTD in <b>Embankment and Base Course</b> and <b>PCC Paving</b> (currently pursuing <b>Asphalt Concrete Paving</b>).</li> <li>• Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>		
05/19 – 08/20	<b>S.P. No. H.011798.6 Airline Park Blvd (Camphor – W Napoleon)</b> <b>Owner:</b> Jefferson Parish (LaDOTD LPA project). <b>Scope:</b> 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. <b>Cost:</b> ≈\$6,000,000. <b>Role:</b> 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; 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.		
06/23 – 12/23	<b>S.P. No. H.014315.6 Grafton Drive Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curb, driveways, and curb ramps. <b>Cost:</b> ≈\$1,000,000. <b>Role:</b> 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; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.		
11/23 – 02/24	<b>S.P. No. H.014317.6 Carey St. Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curb, driveways, and curb ramps. <b>Cost:</b> ≈\$970,000. <b>Role:</b> 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; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.		



## Jeff Puissegur (Continued)

01/22 – 02/23	<p><b>S.P. No. H.007273.6 – Magazine St (Leake Ave to East Drive)</b>  <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of asphalt roadway with PCC pavement roadway (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$4,500,000. <b>Role:</b> 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; 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.</p>
01/13 – 04/16	<p><b>Jefferson Parish Submerged Roadways Program</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Evaluation of Hurricane Katrina related roadway damage and repair/replacement of deficient roadways (85 PCC pavement streets and 8 miles of asphaltic concrete roadway). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; and assisted with the preparation of project closeout documentation.</p>
09/16 – 02/17	<p><b>S.P. No. H.007277.6 Lake Forest Boulevard</b>  <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of PCC pavement roadway; asphalt roadway milling and overlay; and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$490,000. <b>Role:</b> 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; 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.</p>
01/21 – 12/21	<p><b>Milneburg Group B (FRC) Streets</b>  <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> 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; 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.</p>
07/16 – 05/20	<p><b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b>  <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> 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.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
Name	Anthony St. Philip		Years of relevant experience with this employer	<1
Title	Senior Inspector		Years of relevant experience with other employer(s)	30
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			<b>Role:</b> Backup Inspector <b>Responsibilities:</b> 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	<b>RR 215: Dillard Group A &amp; B (RR031/RR032)</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> 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. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> 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	<b>Milneburg Group B (FRC) Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> 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	<b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> 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	<b>Tidewater Road Reconstruction</b> <b>Owner:</b> Plaquemines Parish. <b>Scope:</b> 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). <b>Cost:</b> ≈\$20,000,000. <b>Role:</b> 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	<b>RR133 and RR136 Pines Village Group A and Plum Orchard Group D Waterline Replacement Program</b> <b>Owner:</b> SWBNO. <b>Scope:</b> Replacement of water mains and house connections (8,000' of 8" diameter and 2,400' of 12" diameter water mains). <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.
09/05 – 09/07	<b>17<sup>th</sup> Street Canal Floodwall Breach Repairs (Emergency, Interim, and Permanent)</b> <b>Owner:</b> USACE. <b>Scope:</b> 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. <b>Cost:</b> ≈\$150,000,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.
02/22 – 06/22	<b>Nashville Avenue Wharf "A" Substructure Repairs Phase 2 (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> 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). <b>Cost:</b> ≈\$25,000,000 (est.). <b>Role:</b> Inspector and Quality Assurance Reviewer. Inspected steel pipe piles, H-piles, tube piles, and associated bracing; grouted FRP pile jackets and concrete pile jackets; reinforced concrete drop panels, pile caps, bottom of deck, and bulkhead; and timber fender piles from both land and water in accordance with ASCE MOP 130 and project specific criteria. Performed quality assurance review of inspection data, including damage ratings, photos, and notes.

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
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			<b>Role:</b> Backup Inspector <b>Responsibilities:</b> 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	<b>Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). <b>Cost:</b> ≈\$12,600,000. <b>Role:</b> 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	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> 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	<b>Nashville Avenue Wharf “A” Substructure Repairs Phase 2 (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> 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). <b>Cost:</b> ≈\$25,000,000 (est.). <b>Role:</b> 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	<b>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Traffic study in accordance with LADOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). <b>Fee:</b> ≈\$195,000. <b>Role:</b> Field Technician. Installed and removed volume count, turning movement count, and driveway/median opening count equipment.			

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Independent Technical Review of Lakefront Airport Pump Station Temporary Retaining Structure Design		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	RNGD	
Project location	New Orleans, Louisiana		Owner's Project Manager	Stephen Abadie
Owner's address, phone, email	1730 Tchoupitoulas Street, New Orleans, LA 70130 / (504) 620-8022 / sabadie@rngd.com			
Services commenced by this firm (mm/yy)	05/24	Total consultant contract cost (\$1,000's)		5
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm (\$1,000's)		5

Horizon Engineering, LLC (Horizon) performed an independent technical review (ITR) of the Lakefront Airport pump station temporary retaining structure (TRS) design. The TRS is required to facilitate construction of an approximately 123'x43'x28' deep reinforced concrete reservoir for a future 600 CFS pump station. The TRS is used to stabilize a 45' deep excavation in soft clays outside of flood protection prior to construction of the seal slab and reservoir. Horizon reviewed the TRS design and calculations and associated plans, specifications, geotechnical report, and construction phase geotechnical investigation information. Horizon prepared independent calculations for approximate TRS force effects and TRS components, including sheeting, walers, and struts, and a report summarizing the independent technical review.

**Firm Members Involved:** John Karlin and Ben Bartlett

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Crescent City Brewhouse Structural Inspection for New Water Tank Installation		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Crescent City Brewhouse	
Project location	New Orleans, Louisiana		Owner's Project Manager	Joel Zetzmann
Owner's address, phone, email	527 Decatur Street, New Orleans, LA 70130 / (504) 522-0571 / joel@ccbno.com			
Services commenced by this firm (mm/yy)	02/24	Total consultant contract cost (\$1,000's)		1
Services completed by this firm (mm/yy)	02/24	Cost of consultant services provided by this firm (\$1,000's)		1

Horizon Engineering, LLC performed a structural inspection and evaluation of the historic Crescent City Brewhouse building in the New Orleans French Quarter to determine whether the existing structure could support the installation of new water tanks on the fourth floor. The structural inspection and subsequent recommendations considered the material type, dimensions, configuration, and current condition of structural components, including timber decking, timber beams, brick masonry walls, steel girders, steel columns, masonry foundations, and reinforced concrete foundations.

**Firm Members Involved:** John Karlin



**17. Firm Experience:**

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

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) reviewed previously prepared preliminary site plans and provided guidance to the Owner regarding how to proceed with permitting and construction. Horizon also prepared a conceptual planning study to investigate the subdivision of the site, drainage requirements, and improvements to access from US 441. Horizon's duties included:

- Review of site zoning information/maps, topographic and boundary surveys, traffic studies, and geotechnical investigations and reports.
- Preparation of preliminary site plans illustrating potential configurations of commercial lots within the site.
- Preparation of preliminary drainage maps and calculations to determine detention pond size and location requirements.
- Coordination with the Florida Department of Transportation (FDOT) and Federal Aviation Administration (FAA).
- Investigation of potential improvements to access from US 441, including the feasibility of widening the existing shared driveway and adding new driveways, turn lanes, and/or a signalized intersection.

Horizon is currently completing the final design and preparing plans and specifications for the full development of the site, including Portland Cement Concrete (PCC) pavement, concrete curb, pavement markings, driveways, drainage, and improvements to access from US 441. Horizon will also provide construction support.

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

**17. Firm Experience:**

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

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

**Firm Members Involved:** Brett Liuzza

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Past Performance Evaluation Discipline(s)*	CE&I/OV ✓
Project name	N/A		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	N/A	
Project location	N/A		Owner's Project Manager	N/A
Owner's address, phone, email	N/A			
Services commenced by this firm (mm/yy)	N/A	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	N/A	Cost of consultant services provided by this firm (\$1,000's)		N/A

## 18. Approach and Methodology:

State Project No. H.013429 (Downtown Thibodaux Sidewalks) will improve pedestrian facilities throughout Downtown Thibodaux by replacing existing sidewalks and installing curb ramps that comply with the Americans with Disabilities Act (ADA). Many of the existing pedestrian facilities have various safety and ADA compliance issues, such as lack of curb ramps at some intersections (see Figure 1); sidewalks with insufficient width and/or steep steps/slopes (see Figure 2); and curb ramps with excessive or inconsistent slopes and/or noncompliant landings, grade breaks, transitions, and/or counter slopes (see Figure 3).



**Figure 1: Lack of Curb Ramps**



**Figure 2: Sidewalk Steps/Slopes**



**Figure 3: Curb Ramp Slope Issues**

The sidewalk and curb ramp improvements will address these issues and have a positive impact on the community by improving pedestrian safety and access to local businesses. Horizon Engineering, LLC (Horizon) has already visited the project site and identified the following challenges that will need to be addressed during construction to deliver a successful project.

### 1. LIMITED WORK AREA

Downtown Thibodaux consists of narrow, one-way streets with parking on both sides (see Figure 4); therefore, partial or full road closures will likely be required. Horizon will assist City of Thibodaux and the Contractor with coordinating such closures with adjacent businesses and communicating them effectively to the public. Work areas may need to be restricted to one street at a time or alternating streets and Contractor vehicles may need to be parked at the periphery of Downtown Thibodaux.

### 2. LOCAL BUSINESS ACCESS

Many local shops, restaurants, and other businesses will be significantly impacted by construction, especially if their entrances are blocked for an extended period. Work directly in front of businesses should be performed outside of normal operating hours if possible or

temporary access should be provided for as long as possible between removal and concrete set. Horizon will assist City of Thibodaux and the Contractor with notifying businesses in advance of the anticipated start and duration of work that will impact business access.



**Figure 4: Limited Work Area and Business Access**

Based on the current letting date of September 11, 2024, the work could potentially be performed during the fall semester and football season of Nicholls State University, when Downtown Thibodaux is busiest and the potential for vandalism is greater. If possible, work should be performed during winter break and finish before the start of the spring semester.

Many business entrances have steps or other similar protrusions that extend into the sidewalks (see Figure 4). If steps/protrusions need to be removed to facilitate sidewalk replacement, they will need to be replaced in kind.

Businesses and residents leave their trash cans on the sidewalk for collection. Water meters and electrical panels are also accessed via the sidewalks. As such, a means for maintaining trash collection and utility access will need to be provided.



### 3. OBSTACLES

The existing sidewalks, while already narrow, are even narrower and less than the minimum width required by ADA at some locations due to obstacles, such as traffic signal mast arms, street signs, utility poles, fire hydrants, building balcony columns, planters, trash cans, and benches (see Figure 5). Additionally, other obstacles within and/or below the sidewalks, such as manholes, water meters, and downspouts, will also affect the work. Horizon will assist City of Thibodaux and the Contractor with coordinating with businesses and utilities to temporarily or permanently relocate obstacles. The Contractor will have to carefully work around immovable obstacles to avoid damaging them. If obstacles in the vicinity of curb ramps are not properly accounted for in the design, Horizon will adjust curb ramp designs during construction to ensure that they are sloped and configured in accordance with ADA.



Figure 5: Obstacles

### 4. PROXIMITY TO BUILDINGS

Most of the sidewalks abut buildings; therefore, the Contractor must be careful not to damage building facades during removal operations. Sidewalks should not be removed unless they can be replaced before the next anticipated rain event to minimize the potential for erosion/wash out of soil underneath buildings. Some downspouts

discharge directly onto the sidewalks, which would exacerbate this issue.

### 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 curb ramps to accommodate actual field conditions. He will direct a primary certified inspector for the project, with a backup certified inspector and two backup uncertified inspectors available if needed to 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. Horizon's Primary Inspector, Wayne "Dickie" Lemoine, attended Nicholls State University and cares about and is very familiar with the area. He has 33 years of inspection experience with DOTD, including as the District 02 Bridge Maintenance Inspection Supervisor, and an additional 20 years of inspection experience with consultants.

### CE&I SCOPE OF WORK

Horizon fully understands the scope of work and will complete all 23 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, such as Consultant Contract Services Manual, Local Public Agencies Manual, Construction Contract Administration Manual, Sampling Manual, Testing Procedures Manual, Quality Assurance Manuals, and EDSMs. 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 City of Thibodaux and DOTD's requirements:

### PRE-CONSTRUCTION PHASE

- **Submit QA/QC Plan:** Submit Horizon's QA/QC plan to City of Thibodaux and DOTD.
- **HeadLight and SiteManager Access:** Set up access to HeadLight and SiteManager for all engineers and inspectors. All inspectors will be equipped with a laptop and iPad with cellular data for field access to SiteManager and HeadLight, 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 City of Thibodaux's Responsible Charge and Project Manager and DOTD's Project Coordinator and District 02 Lab Engineer to review roles, responsibilities, and expectations; Entity-State Agreement and Construction Contract; compliance goals; Construction Contract Administration Manual; SiteManager and HeadLight; Sampling Plan and QA/QC materials testing requirements; preconstruction conference schedule and agenda; progress schedules; inspection requirements; final audit checklist; partial estimates and change orders; and Notice to Proceed requirements.
- **Preconstruction Conference:** Meet with City of Thibodaux'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.
- **Precast Materials Inspection:** Inspect precast materials (if any), such as drainage structures, for any damage during transportation.
- **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, DOTD 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. If requested by DOTD, our testing laboratory will test samples in accordance with applicable DOTD testing procedures and as required by the Specifications.
- **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). The Contractor will be immediately notified of any safety violations or nonconforming work. Depending on the severity of any safety violations, work will be shut down immediately to avoid further danger to the public or property damage. 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, and other supplemental guidance that affects the construction requirements. 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 City of Thibodaux.
- **Coordination:** Continuously coordinate with stakeholders, including the preconstruction conference attendees. Meet with City of Thibodaux and DOTD when requested at their offices or on the project site. Coordinate with the Contractor to distribute road closure notifications to local media outlets upon approval by City of Thibodaux.

- **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. 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 City of Thibodaux and the design engineer, 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 future 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 City of Thibodaux. Prepare and distribute notices of nonconformance and monitor remediation efforts to ensure that nonconforming work is repaired or replaced to the satisfaction of City of Thibodaux.



- **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 the work progress and identify potential delays to construction 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 City of Thibodaux, 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

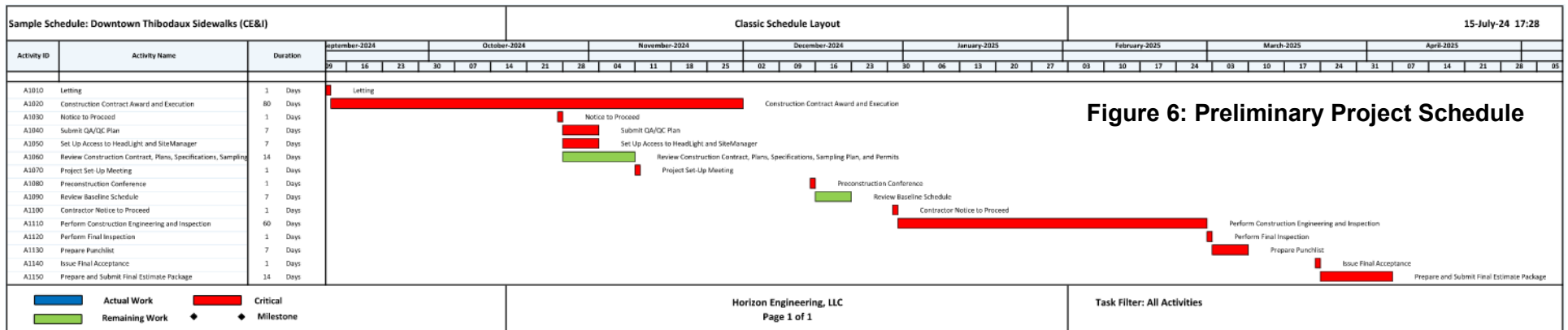
justification of additional labor, materials, equipment, tools, incidentals, overhead, and profit costs and additional contract time. Prepare description of change orders, upload change orders with backup documentation to SiteManager, and forward requests to City of Thibodaux and DOTD for approval.

- **Claims:** Monitor, document, and review claims from the Contractor and provide recommendations to City of Thibodaux and DOTD regarding the disposition of claims.
- **Compliance:** Review documents, such as certified payrolls and 1391 Form (Contractor's Annual EEO Report) if applicable, to ensure compliance with federal requirements.

### POST-CONSTRUCTION PHASE

- **Final Inspection:** Upon notification from Contractor of project completion, perform final inspection with Contractor, City of Thibodaux, 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 City of Thibodaux 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, and Reinforcing Steel Bar Data 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 the DOTD 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.

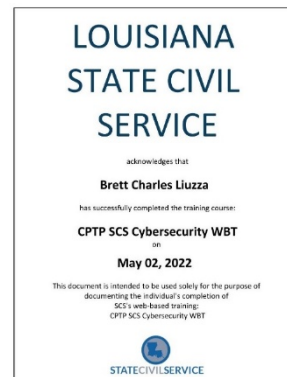


**19. Workload:**

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	N/A	N/A	N/A	N/A

## 20. Certifications/Licenses:

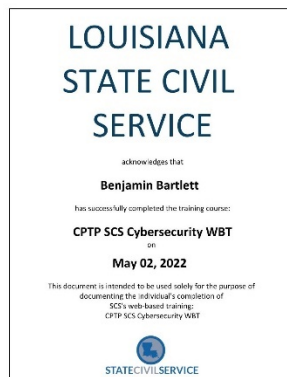
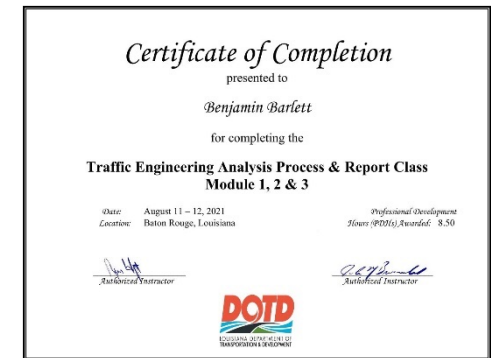
### Brett Liuzza, PE



**HORIZON ENGINEERING, LLC**

## 20. Certifications/Licenses:

### Ben Bartlett, PE, PTOE



## 20. Certifications/Licenses:

### John Karlin, SE, PE



Illinois Department of Financial and Professional Regulation

#### Lookup Detail View

##### Contact

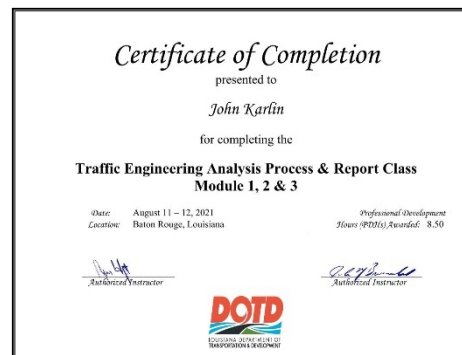
##### Contact Information

Name	City/State/Zip	DBA / AKA
JOHN SCHULMEISTER KARLIN	River Ridge, LA 70123	

##### License

##### License Information

License Number	Description	Status	First Effective Date	Effective Date	Expiration Date	Ever Disciplined
081008511	LICENSED STRUCTURAL ENGINEER	ACTIVE	08/28/2020	11/23/2022	11/30/2024	N

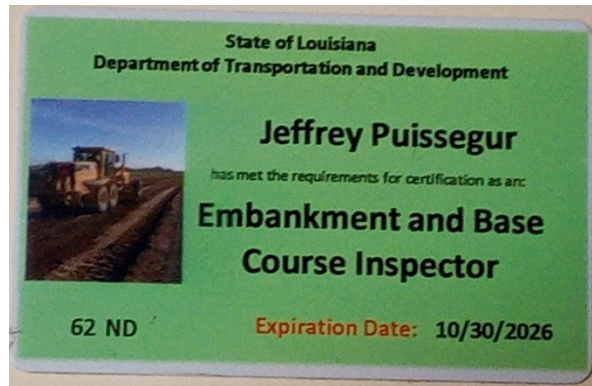


**HORIZON ENGINEERING, LLC**



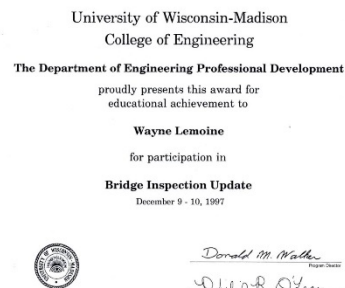
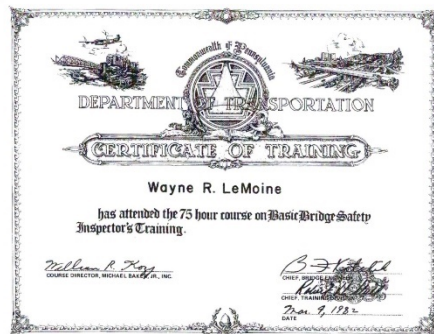
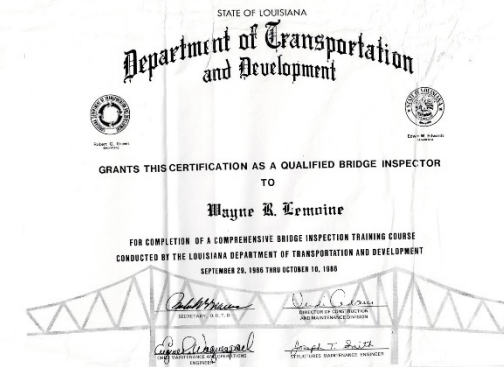
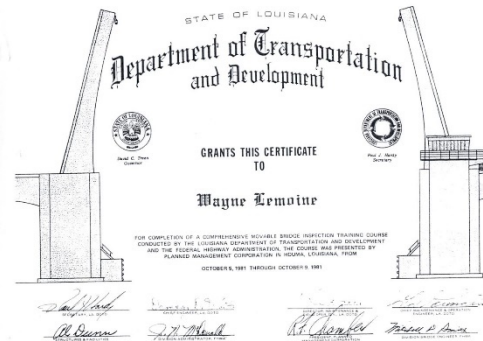
20. Certifications/Licenses:

**Jeff Puissegur**



## 20. Certifications/Licenses:

### Wayne “Dickie” Lemoine





**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.

<b>Firm Name</b> <b>(Name must match as registered with</b> <b>Louisiana's Secretary of State)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>

(Add rows as needed)

**23. Location:**

If location is an evaluation criterion for this advertisement 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 advertisement.**