

**CONTRACT NO. 4400034255  
STATE PROJECT NO. H.015354.5**

**GRAND PT SIDEWALK:  
POYDRAS – DOYLE MELANCON**

**FOR**



**MARCH 3, 2026**

**SUBMITTED BY:  
HORIZON ENGINEERING, LLC**



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

**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	GRAND PT SIDEWALK: POYDRAS – DOYLE MELANCON
2. Contract Number(s) as shown in the advertisement	4400034255
3. State Project Number(s), if shown in the advertisement	H.015354.5
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u> )	Horizon Engineering, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0007715
6. Prime consultant mailing address	110 Veterans Memorial Blvd, Ste 430 Metairie, LA 70005
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	110 Veterans Memorial Blvd, Ste 430 Metairie, LA 70005
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com

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

**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:

March 3, 2026

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 ( <b>Prime</b> )	C. H. Fenstermaker & Associates, L.L.C.	Each Discipline must total to 100%
Road	50%	100%	0%	<b>100%</b>
Survey	40%	0%	100%	<b>100%</b>
Traffic	5%	100%	0%	<b>100%</b>
ITS	5%	100%	0%	<b>100%</b>
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	<b>100%</b>	<b>60%</b>	<b>40%</b>	<b>100%</b>

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)
 <b>Horizon Engineering, LLC</b>	Principal	1	3
	Supervisor - Eng	1	3
	Engineer	2	4
	Engineer Intern	0	2
	CADD Technician	1	1
	Inspector - Lead	0*	1
	Inspector - Certified	0*	1
	Inspector	0*	5
 <b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	Surveyor	1	12
	Senior Technician	1	9
	Party Chief	0**	17
	Instrument Man	0**	13

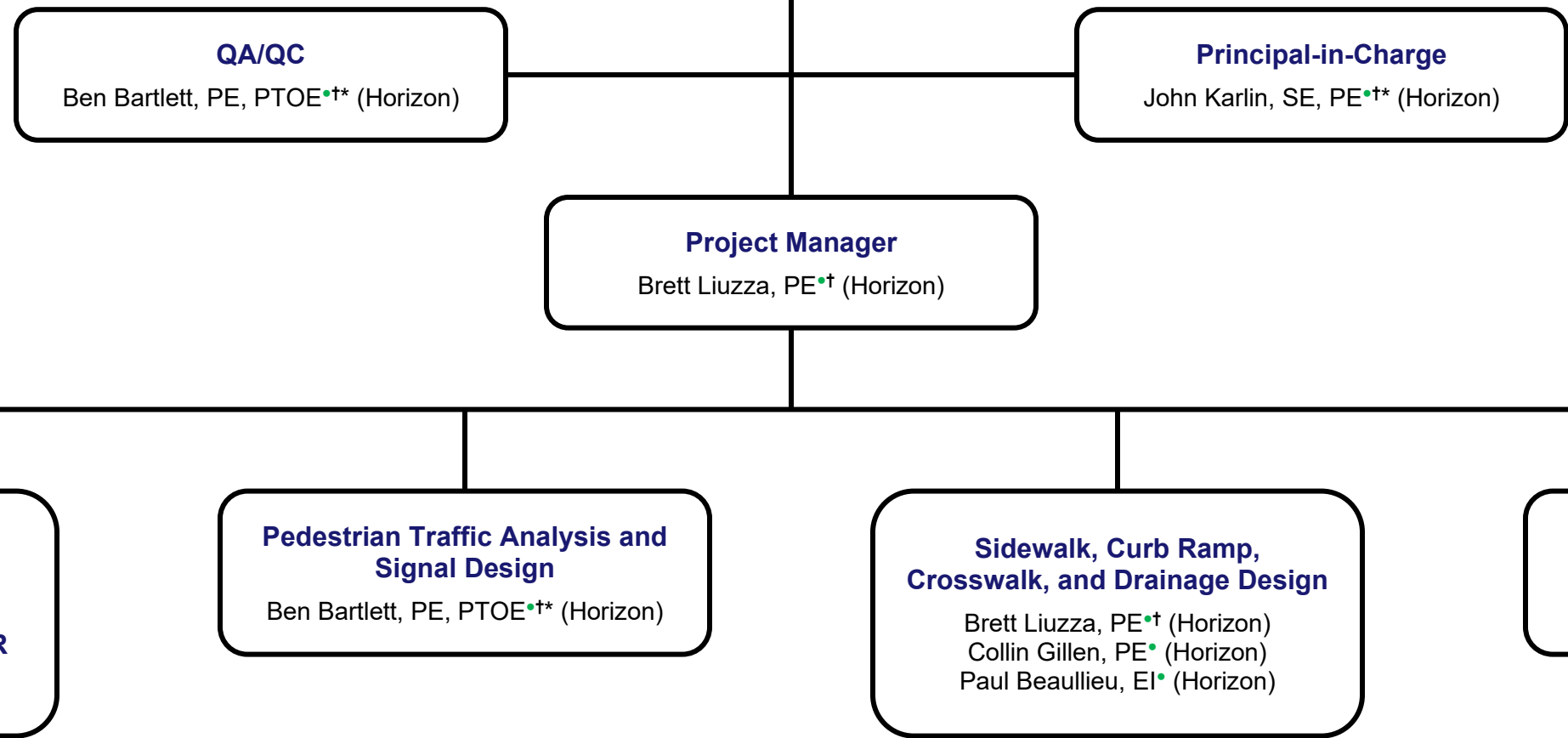
\*Inspectors will be used as necessary to facilitate field investigations and pedestrian traffic data collection/analysis.

\*\*Survey crews will be used to obtain additional data using traditional methods as necessary to supplement aerial photogrammetry/LiDAR data.

14. Organizational Chart:

**Legend**

- Work Zone Training (ATSSA Certified TCS, TCT, and Flagger)
- † Traffic Engineering Process and Report (TEPR) Training
- \* Personnel Performing Traffic Engineering Analysis



**15. Minimum Personnel Requirements:**

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	John Karlin, SE, PE	Horizon Engineering, LLC	PE #44795 – Civil and Structural SE #081-008511	LA IL	3/31/2027 11/30/2026
2	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2027
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2028
3	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2027
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2028
4	Bradford Millet, PLS, EI	C. H. Fenstermaker & Associates, L.L.C.	PLS #5245	LA	3/31/2027

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
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		<b>Role:</b> Project Manager and Lead Civil Engineer ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> Project management; field investigation; sidewalk, curb ramp, crosswalk, and drainage design; and coordination with DOTD, City of Breaux Bridge, 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"> <li>Nearly 20 years of road design and construction experience, including many recent DOTD and DOTD LPA projects involving sidewalks, curb ramps, crosswalks, pedestrian signals, and other pedestrian facility improvements.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>		
05/21 – 12/22	<b>RR122 and RR123 Marlyville-Fontainebleau Groups G and H (FRC)</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Road reconstruction, including drainage, sewer lines, water lines, <b>curbs, driveways, sidewalks, and curb ramps</b> . <b>Cost:</b> ≈\$23,000,000 (est.). <b>Role:</b> Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed road, driveway, and sidewalk geometric layouts, asphalt pavement, concrete curb and gutter, 15” to 30” RCP, and sewer and water mains, valves, fittings, offsets, and house connections. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.		
09/20 – 07/22	<b>Milneburg Group B (FRC) Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Road reconstruction, including drainage, sewer lines, water lines, <b>curbs, driveways, sidewalks, and curb ramps</b> . <b>Cost:</b> ≈\$8,300,000. <b>Role:</b> Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed road, driveway, and sidewalk geometric layouts, asphalt pavement, concrete curb and gutter, 15” to 30” RCP, 18x11 to 51x31 RCPA, and sewer and water mains, valves, fittings, offsets, and house connections. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.		
07/13 – 05/22	<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 road, pedestrian, drainage, and lighting improvements (5.2 miles long), including an approximately <b>5 mile-long, 40-foot-wide pedestrian promenade</b> . <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed erosion control pavement geometric layout, tree preservation wall geometry, site grading, drainage pipes, drainage structures, drainage outfalls, and miscellaneous features. Prepared plans, specifications, opinions of probable construction cost. Coordinated with USACE and CPRA and prepared permit drawings for SLFPA-E, CPRA, and USACE. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.		

## Brett Liuzza, PE (Continued)

07/12 – 05/13	<p><b>Leake Ave Improvements Transportation Feasibility Study</b>  <b>Owner:</b> NORPC. <b>Scope:</b> Stage 0 Feasibility Study and Environmental Inventory for the possible realignment of Leake Avenue in order to establish <b>new and improved sidewalks and bicycle facilities</b> and a landscaped buffer zone between the community and the Public Belt Railroad. <b>Fee:</b> \$150,000. <b>Role:</b> Project Manager and Civil Engineer. Prepared the study report which included conceptual roadway, utility and drainage design, pedestrian crossings and striping, prepared conceptual plans and typical sections for the report and public meetings and opinion of probable construction cost.</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 road damage and repair/replacement of deficient roads (85 PCC pavement streets and 8 miles of asphalt roads). <b>Cost:</b> ≈\$50,000,000 (est.). <b>Role:</b> Civil Engineer. Evaluated roadway damage. Designed asphalt pavement milling/overlay and patching, PCC pavement panel replacement, <b>sidewalk modifications, ADA compliant curb ramps</b>, 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>
03/25 – Ongoing	<p><b>H.014049.6 – St. Bernard Pedestrian Improvements</b>  <b>Owner:</b> LaDOTD. <b>Scope:</b> Pedestrian facility improvements, including rectangular rapid-flashing beacons, signage, <b>high visibility crosswalks, pavement markings, a pedestrian refuge island, ADA compliant curb ramps, sidewalks</b>, handrails, and other associated features. <b>Cost:</b> ≈\$500,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs and submittals. Coordinated construction materials testing. Prepared change orders.</p>
01/09 – 03/10	<p><b>St. Charles Parish Library – Paradis Branch</b>  <b>Owner:</b> St. Charles Parish. <b>Scope:</b> Site development, including drainage, sewer, and water lines and parking, <b>driveways, curbs, sidewalks, and curb ramps</b>. <b>Role:</b> Civil Engineer. Performed drainage analysis and design and utility design. Designed parking lots and driveway entrances, sidewalk geometric layout, concrete pavement, concrete curb and gutter, 15” to 18” RCP, and sewer and water mains, valves, fittings, and offsets. Prepared plans, specifications, and opinion of probable construction cost.</p>
01/10 – 05/11	<p><b>Laplace Elementary School</b>  <b>Owner:</b> St. John the Baptist Parish. <b>Scope:</b> Site development, including drainage, sewer, and water lines; <b>curbs, driveways</b>, and parking; and <b>sidewalks and curb ramps</b>. <b>Role:</b> Civil Engineer. Performed drainage analysis and design and utility design. Designed parking lots and driveway entrances, sidewalk geometric layout, concrete pavement, concrete curb and gutter, 15” to 24” RCP, and sewer and water mains, valves, fittings, and offsets. Prepared plans, specifications, and opinion of probable construction cost. Involved in construction engineering and inspection.</p>
07/12 – 10/16	<p><b>H.002550.6-R1 (Phase 1A) and H.009933.6 (Phase 1B) – MacArthur Interchange Completion</b>  <b>Owner:</b> LaDOTD. <b>Scope:</b> Construction of entrance/exit ramps for Westbank Expressway and relocation of frontage road and associated utilities. <b>Cost:</b> ≈\$42,000,000. <b>Role:</b> Civil Engineer. Designed roadway geometric layout, 15” to 48” RCP, 15” to 72” equivalent RCPA, 10” sewer force main relocation horizontally drilled underneath 4-lane roadway, and 8” water line relocation. Prepared plans, specifications, and opinion of probable construction cost.</p>
01/23 – 11/23	<p><b>H.002956 – Earhart/Dakin Ramp</b>  <b>Owner:</b> LaDOTD. <b>Scope:</b> Construction of exit ramp connecting Earhart Expy. overpass and Dakin Street near the Jefferson Parish/Orleans Parish line. <b>Role:</b> Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed asphalt pavement, drainage system, and pavement markings. Prepared plans, specifications, and opinions of probable construction cost.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
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		<b>Role:</b> QA/QC and Lead Traffic Engineer ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> QA/QC, pedestrian traffic data collection and analysis, temporary traffic control design, and pedestrian signal design.		
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>Nearly 20 years of traffic engineering and road design and construction experience, including traffic studies in accordance with DOTD TEPR requirements and DOTD and DOTD LPA projects involving Intelligent Transportation Systems (ITS) and pedestrian facility improvements.</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>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>			
10/18 – 07/19	<b>Lakeshore Drive Vehicular and Pedestrian Traffic Study</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Vehicular and pedestrian traffic study along Lakeshore Drive. <b>Fee:</b> ≈\$40,000. <b>Role:</b> Project Manager and Lead Traffic Engineer. Led data collection and analysis (volume counts, turning movement counts, and <b>pedestrian counts</b> ). Reviewed traffic accident reports, existing roadway geometry ( <i>i.e.</i> , sight lines/distances), and <b>crosswalk warrant analysis to determine traffic calming and pedestrian crossing improvement options</b> .			
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> 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.			

## Ben Bartlett, PE, PTOE (Continued)

08/24 – 12/24	<p><b>Zellwood Station Phase 3 Traffic Study and ICE</b>  <b>Owner:</b> Private. <b>Scope:</b> Traffic study in accordance with FDOT requirements to evaluate access to the ~10.4 acre Zellwood Station site from US 441 / W Orange Blossom Trail. <b>Fee:</b> ~\$80,000. <b>Role:</b> Lead Traffic Engineer. Reviewed volume counts, turning movement counts, driveway/median opening counts, and crash data along US 441. Performed traffic signal warrant analysis and crash data analysis. Evaluated sight distance requirements. Prepared conceptual layouts for multiple alternatives, including signalized intersection with new turn lanes, median openings, and driveways and adjustments to timing of adjacent traffic signals. Performed intersection control evaluation (ICE).</p>
06/10 – 09/14	<p><b>St. Charles Parish Road Maintenance Program (2010 – 2014)</b>  <b>Owner:</b> St. Charles Parish. <b>Scope:</b> Annual inspection of all St. Charles Parish-owned roads and repair/replacement of deficient roads. <b>Cost:</b> ~\$1,500,000 annually. <b>Role:</b> 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, <b>sidewalk modifications, ADA compliant curb ramps</b>, and utility adjustments. Prepared plans, specifications, and opinions of probable construction cost.</p>
05/23 – 01/24	<p><b>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/bicycle truss bridge over Canal No. 1. <b>Cost:</b> ~\$3,400,000. <b>Role:</b> Project Manager and Lead Construction and Traffic Engineer. During construction, <b>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.</b></p>
03/21 – 01/24	<p><b>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 Kenner 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. Coordinated priority system testing and advised on priority system requirements and operational gaps.</p>
01/20 – 06/21	<p><b>Lakeside Mall / Severn Avenue Intersection Traffic Study and Improvements</b>  <b>Owner:</b> Private. <b>Scope:</b> Traffic study to evaluate the Lakeside Mall entrance/exit along Severn Avenue. <b>Fee:</b> ~\$40,000 (est.). <b>Role:</b> Project Manager and Lead Civil, Traffic, and Construction Engineer. Led 4 field personnel for volume count, turning movement count, and pedestrian count equipment installation. Performed additional field observations during peak traffic/shopping periods. Performed warrant analysis. Designed expansion of the existing entrance/exit, drainage and utility relocations (sewer, water, electricity, gas, and internet), and <b>ADA compliant pedestrian routes</b>. Prepared plans and specifications.</p>
05/20 – 01/24	<p><b>Widening of Causeway Boulevard (Airline Drive to West Napoleon Avenue)</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Widening of existing 4-lane roadway and area-wide drainage improvements (1.0 miles of road and drainage). <b>Cost:</b> ~\$19,000,000 (est.). <b>Role:</b> Project Manager and Lead Civil Engineer. Led road design, hydrologic and hydraulic design, traffic signal design, and preparation of plans, specifications, and opinions of probable construction cost. Designed 15-inch to 72-inch RCP drainage system, tie-ins to surrounding drainage system, asphalt pavement, concrete curb and gutter, pavement markings, sequence of construction, and temporary traffic control plan while accounting for site-related challenges, such as significant traffic demands, limited right-of-way, congestion of existing drainage and utilities, and the need to sequence construction to minimize disruptions to traffic.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
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		<b>Role:</b> Principal-in-Charge ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> Contract administration and coordination with DOTD, City of Breaux Bridge, 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"> <li>Nearly 10 years of traffic engineering and road/bridge design experience.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>		
07/21 – 12/22	<b>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> ≈\$50,000,000. <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. Identified potential design and constructability issues.		
01/21 – 01/24	<b>Rehabilitation of Causeway Boulevard/Airline Drive Interchange</b> <b>Scope:</b> Structural inspection and rehabilitation of 1950s elevated interchange (8 ramps, traffic circle, and 4 lane overpass). <b>Cost:</b> ≈\$18,000,000 completed, ≈\$41,000,000 (est.) remaining. <b>Role:</b> Project Manager, Lead Structural Engineer, and Lead Construction Engineer. Analyzed existing bents and girders. Designed structure jacking plan, steel girder strengthening and repairs, bent cap strengthening, reinforced concrete risers, post-installed adhesive anchors and reinforcing bars, elastomeric bearing pads, and coating of steel components. Prepared plans, specifications, and opinions of probable construction cost. Developed adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement. Designed emergency deck repairs to replace failed expansion joint with only weekend road closures.		
10/18 – 07/19	<b>Lakeshore Drive Vehicular and Pedestrian Traffic Study</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Vehicular and pedestrian traffic study along Lakeshore Drive. <b>Fee:</b> ≈\$40,000. <b>Role:</b> Traffic Engineer. Obtained and analyzed volume counts, turning movement counts, and <b>pedestrian counts to assist with the determination of traffic calming and pedestrian crossing improvement options</b> for Lakeshore Drive.		

**John Karlin, SE, PE (Continued)**

**HORIZON ENGINEERING, LLC**

03/25 – Present	<p><b>H.014049.6 – St. Bernard Pedestrian Improvements</b>  <b>Owner:</b> LaDOTD. <b>Scope:</b> 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. <b>Cost:</b> ≈\$500,000. <b>Role:</b> Principal-in-Charge. Coordinated with DOTD and the Contractor.</p>
04/25 – Present	<p><b>H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie</b>  <b>Owner:</b> City of Youngsville (LaDOTD LPA project). <b>Scope:</b> 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. <b>Cost:</b> ≈\$8,700,000. <b>Role:</b> Principal-in-Charge. Coordinated with City of Youngsville, DOTD, and the Contractor.</p>
04/25 – 02/26	<p><b>H.012868.6 – Fortune Road Pavement Preservation</b>  <b>Owner:</b> City of Youngsville (LaDOTD LPA project). <b>Scope:</b> Milling, patching, and overlay of existing asphalt road (≈1.1 miles). <b>Cost:</b> ≈\$510,000. <b>Role:</b> Principal-in-Charge. Coordinated with City of Youngsville, DOTD, and the Contractor.</p>
01/23 – 01/24	<p><b>H.002956 – Earhart/Dakin Ramp</b>  <b>Owner:</b> LaDOTD. <b>Scope:</b> Exit ramp from Earhart Expressway to Dakin Street. <b>Role:</b> Structural Engineer. Designed reinforced concrete deck and barriers; PPC girders; reinforced concrete diaphragms; elastomeric bearings; and reinforced concrete shear keys. Designed pile bent (reinforced concrete bent cap and PPC piles) adjacent to existing bent to accommodate steel girder span without applying any additional load to the existing bent. Prepared plans.</p>
10/23 – 01/24	<p><b>Relocation of East St. Bernard Highway and Associated Utilities (CMAR)</b>  <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Relocation of East St. Bernard Highway and associated utilities and construction of new bridge over railroad to facilitate construction of the ≈\$1.8B Louisiana International Terminal (1.05 miles of road, drainage, and utilities and 1,100-foot-long bridge). <b>Cost:</b> ≈\$50,000,000 (est.). <b>Role:</b> Lead Structural Engineer. Reviewed preliminary plans and other related information and prepared gap analysis identifying critical items to be addressed between preliminary and final design. Performed preliminary analysis and design of truss span (approximately 200 feet long) over railroad to reduce superstructure depth and bridge length. Prepared LaDOTD preliminary design report, including lane, shoulder, and median widths, superelevation, and other related design features, and value engineering proposals. Evaluated CMAR contractor value engineering proposals. Coordinated with LaDOTD, CMAR contractor, and other stakeholders.</p>
10/23 – 01/24	<p><b>H.004791 – Belle Chasse Bridge and Tunnel Replacement (Public-Private Partnership Project)</b>  <b>Owner:</b> LaDOTD/USACE. <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> ≈\$130,000,000. <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.</p>
09/17 – 03/18	<p><b>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Conceptual Planning Study</b>  <b>Owner:</b> NORPC. <b>Scope:</b> Conceptual planning study for potential intersection improvements (15 potential options). <b>Role:</b> Project Manager and Lead Traffic Engineer. Led coordination with RPC, LaDOTD, Jefferson Parish, and other stakeholders and the conceptual development of potential options to alleviate congestion, including modifications and improvements to the existing J-turn bridge, traffic signals, signage, and pavement markings. Prepared conceptual layouts for 15 potential options and opinions of probable construction costs for 5 potential options. Presented potential options to the public at public meetings.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Collin Gillen, PE	Years of relevant experience with this employer	<1
Title	Civil Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		Bachelor of Science / 2020 / Civil Engineering	
Active registration number / state / expiration date		49017 / LA / 9/30/2026	
Year registered	2024	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		<b>Role:</b> Civil Engineer <b>Responsibilities:</b> Field investigation and sidewalk, curb ramp, crosswalk, and drainage design.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/20 – Present	<ul style="list-style-type: none"> <li>Over 5 years of road design and construction experience, including LaDOTD and LaDOTD LPA CE&amp;I projects.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>		
03/23 – 01/26	<b>Lakeside Mall Waterline Improvements</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Replacement of water mains, water lines, valves, manholes, hydrants, and commercial connections along Causeway Blvd. from 14 <sup>th</sup> Street south to Veterans Blvd., including intersecting streets and Lakeside Mall. <b>Role:</b> Project Manager and Lead Civil Engineer. Performed preliminary analysis. Prepared preliminary plans with layout of water mains and associated components and opinions of probable construction cost. Identified pipe bursting as a feasible method to minimize disruptions to traffic and reduce costs by reducing the amount of required pavement removal.		
03/23 – 01/26	<b>Sonia Place Waterline Improvements (S. Labarre Rd – Santa Ana Ave)</b> <b>Owner:</b> Jefferson Parish. <b>Cost:</b> ≈\$600,000 (est.). <b>Scope:</b> Replacement of water mains and house connections along Sonia Place. <b>Role:</b> Project Manager and Lead Civil Engineer. Performed preliminary analysis. Prepared plans, specifications, and opinions of probable construction cost with layout of water mains, house connections, fire service, and other components.		
01/24 – 01/26	<b>Relocation of East St. Bernard Highway and Associated Utilities (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Relocation of East St. Bernard Highway and associated utilities and construction of new bridge over railroad to facilitate construction of the ≈\$1.8B Louisiana International Terminal (1.05 miles of road, drainage, and utilities and 1,100-foot-long bridge). <b>Cost:</b> ≈\$50,000,000 (est.). <b>Role:</b> Civil Engineer. Designed horizontal and vertical road geometry.		
08/25 – 01/26	<b>E. Judge Perez Drive Interchange and Port Access Road (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Construction of new interchange at E. Judge Perez Dr. and the new access road to the ≈\$1.8B Louisiana International Terminal. <b>Role:</b> Civil Engineer. Designed horizontal and vertical road geometry.		
01/21 – 01/24	<b>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 road with PCC pavement road (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$5,900,000. <b>Role:</b> Assistant Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Developed adjustments to utilities and drop inlets, manholes, and other drainage structures in the road. Performed Site Manager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.		

## Collin Gillen, PE (Continued)

09/23 – 03/25	<p><b>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 Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders.</p>
05/23 – 12/23	<p><b>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> Assistant Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared change orders and project closeout documentation.</p>
09/23 – 06/24	<p><b>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> Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared change orders and project closeout documentation.</p>
06/24 – 01/26	<p><b>H.014681.6 – Nine Mile Point Road: US 90 – LA 18</b>  <b>Owner:</b> Jefferson Parish (LaDOTD LPA project). <b>Scope:</b> Milling, patching, and overlay of existing asphalt road. <b>Cost:</b> ≈\$1,500,000. <b>Role:</b> Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders and project closeout documentation.</p>
06/24 – 01/26	<p><b>H.014642.6 – PR 929 Overlay: US 61 – Parker Rd.</b>  <b>Owner:</b> Ascension Parish (LaDOTD LPA project). <b>Scope:</b> Milling, patching, and overlay of asphalt road (≈2.4 miles). <b>Cost:</b> ≈\$1,100,000. <b>Role:</b> Project Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders and project closeout documentation.</p>
02/26 – Present	<p><b>H.012867.6 – S Larriviere Rd: LA 92 – Chemin Metairie</b>  <b>Owner:</b> City of Youngsville (LaDOTD LPA project). <b>Scope:</b> 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. <b>Cost:</b> ≈\$8,700,000. <b>Role:</b> Assistant Project Engineer. Managed inspectors. Performed HeadLight and SiteManager duties. Coordinated construction materials testing. Prepared change orders.</p>
01/21 – 6/23	<p><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> Assistant Project Engineer. Managed 4 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement. Prepared change orders and project closeout documentation.</p>
10/20 – 01/26	<p><b>Widening of Causeway Boulevard (Airline Drive to West Napoleon Avenue)</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Widening of existing 4-lane road and area-wide drainage improvements (1.0 miles of road and drainage). <b>Cost:</b> ≈\$19,000,000. <b>Role:</b> Civil Engineer. Reviewed design of 15” to 72” RCP drainage system and tie-ins to surrounding drainage system. Designed asphalt pavement, concrete curb and gutter, pavement markings, sequence of construction, and temporary traffic control plan while accounting for site-related challenges, such as significant traffic demands, limited right-of-way, congestion of existing drainage and utilities, and the need to sequence construction to minimize disruptions to traffic.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
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		<b>Role:</b> Designer/Drafter <b>Responsibilities:</b> Drafting for sidewalk, curb ramp, crosswalk, and drainage design.		
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"> <li>Nearly 25 years of construction management experience.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>Experience with Primavera P6 (CPM), Navisworks (BIM), USACE Resident Management System (RMS), Procore, and various other project and construction management software.</li> </ul>			
10/25 – Present	<b>Louisiana Ave., Harmony St., &amp; Seventh St. Wharf Substructure Repairs (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> 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). <b>Cost:</b> ~\$40,000,000 (est.). <b>Role:</b> Construction Manager and Scheduler. Currently providing construction management and independent cost estimating services in accordance with the CMAR project delivery method. Managed inspector. Reviewed daily work records (DWRs). Coordinated with Contractor and other project stakeholders.			
10/25 – Present	<b>Woodhouse Grain Elevator Improvements</b> <b>Owner:</b> Port of Houston Authority. <b>Scope:</b> Grain elevator improvements, including three new 72’ diameter by 138’ tall reinforced concrete grain silos and associated conveyors, new reinforced concrete rail receiving pit and associated rail improvements, and replacement of existing conveyors and east shiploader. <b>Cost:</b> ~\$70,000,000. <b>Role:</b> Construction Manager. Managed inspectors. Reviewed daily work records (DWRs). Coordinated with Contractor and other project stakeholders.			
2019 – 2025	<b>Construction/CMAR/Civil/Scheduling Consultant</b> <b>Role:</b> Consultant. <b>Scope:</b> 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"> <li>University of Louisiana at Lafayette, Cajun Field Renovations</li> <li>Lafayette Parish School System, Prairie Elementary School</li> <li>Lafayette Parish School System, Carencro Bob Lilly Elementary School</li> <li>USACE, Angola Camp F Ring Levee</li> </ul>			

**Paul Beullieu, EI (Continued)**

2016 – 2019	<p><b>Balfour Beatty</b>  <b>Role:</b> Project Manager. <b>Scope:</b> Managed multiple contracts (\$70M total) for the Torrance Unified School District in Los Angeles, California, including managing schedules, the buyout process, and change orders.</p>
2015 – 2016	<p><b>Construction/Civil Design Consultant</b>  <b>Role:</b> Consultant. <b>Scope:</b> Provided scheduling, project management, civil design (including drainage and foundations), and drafting services.</p>
2007 – 2015	<p><b>Hensel Phelps</b>  <b>Role:</b> Multiple roles, including Design Manager, Project Engineer, and Office Engineer. <b>Scope:</b> 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><b>Freyou, Moore &amp; Associates</b>  <b>Role:</b> Engineer. <b>Scope:</b> 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		<b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	
Name	Bradford Millett, PLS, EI	Years of relevant experience with this employer	12
Title	Surveyor I	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2014 / Civil Engineering	
Active registration number / state / expiration date		PLS.0005245 / LA / March 31,2027   EI.0032848 / LA / September 30,2026	
Year registered	2020	Discipline	Professional Land Surveyor   Engineer Intern
Contract role(s) / brief description of responsibilities		Surveyor. Ms. Millett will manage and oversee survey services.	
	<p>Ms. Millett is a Professional Land Surveyor at Fenstermaker whose responsibilities consist of field crew coordination, data collection and processing, preliminary layout and design of boundary and right of way plats, ALTA surveys and the development and planning subdivision platting process. Her experience also includes project management as well as public meetings, client relations, utility coordination, and other components associated with surveying services. Ms. Millett is also responsible for the preparation of proposals for the Engineering, Advanced Technologies, and Surveying Divisions.</p>		
06/13 – 03/17	<p><b>Acadiana Regional Airport Access Road (Iberia Parish, LA)</b> This project included the design of a new roundabout at the intersection of LA 675, US 90 Frontage Road, and the Acadiana Regional Airport Access Road. Ms. Millet was responsible for the topographic and boundary surveys, as well as the development and review of right-of-way maps.</p>		
07/13 – 05/22	<p><b>Apollo Road (LA 93) Extension to Dulles Drive – Roadway &amp; Water/Sewer Project (Lafayette Parish, LA)</b> Fenstermaker performed all topographic surveying of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM, and locations of all parcel boundaries effected by the proposed right of way. Ms. Millett created the plats for the acquisition of servitudes and right of ways.</p>		
03/18 – 05/19	<p><b>City of Lake Charles Sidewalk Projects (Calcasieu Parish, LA)</b> Fenstermaker provided engineering services for sidewalk upgrades, designing over 13,000 feet of sidewalks, in the City of Lake Charles. Sidewalks varied in width between 5-feet and 6-feet, depending on available rights-of-way and servitudes. All existing sidewalks were brought up to ADA compliance standards. Fenstermaker completed a topographic survey of existing conditions, identified utility owners, and coordinated potential conflicts. Ms. Millett was responsible for coordinating survey crew tasks, processing the controls, processing collected, and coordinating utility identification and marking.</p>		
05/15 – 08/17	<p><b>Coach Williams Drive Extension &amp; Roundabout (Calcasieu Parish, LA)</b> This project consisted of engineering design services for the construction of the extension of Coach Williams Drive to connect to Houston River Road (LA 379). This project included 3-miles of new 2-lane roadway with sidewalks and intersection improvements including a roundabout and turning lanes. Ms. Millett’s responsibilities included coordinating and reviewing appraisal reports and plats, coordinating all the topographic and boundary surveys, processing data and coordinating with utility companies within the proposed route.</p>		
06/14 – 03/17	<p><b>East Pont Des Mouton Road Widening &amp; Water/Sewer Design (Lafayette Parish, LA)</b> Fenstermaker was selected to perform engineering design services for the construction of a 1.4-mile four-lane divided curb and gutter roadway with raised median (boulevard section), sidewalks, subsurface drainage, and street lighting. The improvements replaced an existing 2-lane roadway of East Pont des Mouton Road. Ms. Millett completed the required topographic, as-built survey, boundary surveys, and right of way plats, as needed.</p>		

**16. Staff Experience:**

Firm employed by		<b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	
Name	Lance Fontenot	Years of relevant experience with this employer	19
Title	UAS Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		A.S. / 2006 / Survey & Drafting	
Active registration number / state / expiration date		Not applicable	
Year registered	Not applicable	Discipline	Not applicable
Contract role(s) / brief description of responsibilities		UAS Manager. Mr. Fontenot will lead Unmanned Aerial Vehicle (UAV) and High-Definition Scanning (HDS) / Dimensional Control LiDAR surveys.	
 <p>Mr. Fontenot is a UAS Manager in the Advanced Technologies Division. Mr. Fontenot serves as the lead Unmanned Aerial Vehicle (UAV) and High-Definition Scanning (HDS) / Dimensional Control survey technician and oversees all field HDS/DC operations for the project to ensure corporate QA/QC guidelines and procedures are being utilized on projects. He also provides the day-to-day technical guidance and has final say in submission of all data to project managers. Mr. Fontenot has performed UAV Surveys, HDS Scanning, Dimensional Control support, Boundary/Right-of-Way, Pipeline, Topographic, Roadway, Construction, Oil &amp; Gas, Geodetic, Hazard, and Accident Surveys primarily across the Gulf Coast area.</p>			
05/10 – 10/21	<b>Kaliste Saloom Road Widening LA3073 to LA733 (Lafayette Parish, LA)</b> Lead UAV Field Technician Fenstermaker's Engineering Division was contracted to provide engineering services for the design of the Kaliste Saloom widening project between LA 733 and Ambassador Caffery. In support of this effort, Fenstermaker provided aerial mapping services of the alignment using UAV technology. Mr. Fontenot served as the lead UAV field technician responsible for operation of the drone system and production of the topographic plats generated from the photogrammetric data		
03/19 – 05/21	<b>Apollo Rd (LA 93) Extension to Dulles Drive (Lafayette Parish, LA)</b> Fenstermaker performed all topographic survey of cross streets and road tie-ins, cross sections for the purpose of an existing elevation DTM and location of all parcel boundaries affected by the proposed right of way. Additionally, surveying services included ASFD survey of all drainage laterals and drainage structures for hydraulic analysis and location of all utilities and topographic features within an identified area. Mr. Fontenot provided surveying services, UAV flight and video capturing in support of construction administration, ROW, and inspection services of Apollo Road.		
04/15 – 02/19	<b>Coach Williams Drive Extension &amp; Roundabout (Calcasieu Parish, LA)</b> This project entailed the design of an \$18.4 million, 3-mile roadway, including a 2-lane open ditch typical section with a roundabout, railroad crossing and Sabine River Authority Canal crossing. The roadway will traverse through multiple wetland areas. Mr. Fontenot was responsible for the stakeout of the ROW and construction servitude.		
10/23	<b>First Solar Plant- Topo/Civil/Environmental (Iberia Parish, LA)</b> First Solar selected the grounds of the Acadiana Regional Airport in Iberia Parish for the location of its fifth U.S. solar panel manufacturing facility plant. The new facility will encompass more than 2 million square feet. Rudolph Libbe, Inc., the project's general contractor, tasked Fenstermaker with performing civil engineering services for the facility. The scope of services also included a total turnkey survey (topographic), environmental services (permitting), traffic impact analysis, and construction administration. Mr. Fontenot was responsible for collecting LiDAR and photogrammetry data using an unmanned aircraft system (UAS). He also processed the collected data and orthomosaic images.		

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Discipline(s)*	Road
Project name	Shreveport Pvmnt Prgrm (Panel Replace)		Firm responsibility (prime or sub?)	Prime
Project number	H.015469.5	Owner's name	City of Shreveport (LaDOTD LPA project)	
Project location	Shreveport, Louisiana		Owner's Project Manager	Thomas Jenkins
Owner's address, phone, email	505 Travis St, Shreveport, LA 71101 / (318) 673-6484 / thomas.jenkins@shreveportla.gov			
Services commenced by this firm (mm/yy)	01/26	Total consultant contract cost (\$1,000's)	243	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	132	

The Shreveport Pvmnt Prgrm (Panel Replacement) project will rehabilitate nine road segments (seven miles total) throughout the City of Shreveport by replacing deteriorated Portland cement concrete pavement (PCCP) panels and installing **curb ramps and sidewalks that comply with the Americans with Disabilities Act (ADA)**. Horizon is currently providing design services for the project.

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

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		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 awaiting approval of project closeout documentation.

Our construction engineering and inspection experience provides insight into the common construction challenges faced by the Contractor for sidewalk projects, such as coordination with impacted residents and businesses, significant elevation changes requiring modifications to curb ramp designs and sidewalk tie-in locations, and excessive driveway slopes requiring partial driveway replacement to maintain ADA compliance. This helps us efficiently identify and address potential issues early on during design, which minimizes the potential for costly delays and change orders during construction and helps ensure that the work complies with ADA.

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

**16. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		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.

Our construction engineering and inspection experience provides insight into the common construction challenges faced by the Contractor for sidewalk projects, such as coordination with impacted residents and businesses, significant elevation changes requiring modifications to curb ramp designs and sidewalk tie-in locations, and excessive driveway slopes requiring partial driveway replacement to maintain ADA compliance. This helps us efficiently identify and address potential issues early on during design, which minimizes the potential for costly delays and change orders during construction and helps ensure that the work complies with ADA.

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

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Discipline(s)*	Road, Traffic
Project name	Zellwood Station Phase 3 Traffic Study and ICE		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Zellwood Development Group, LLC	
Project location	Zellwood, Florida		Owner's Project Manager	Steve MacGeorge
Owner's address, phone, email	2893 Upland Ridge, Chuluota, FL 32766 / (321) 356-1802 / stevemacgeorge@smacgeorge.com			
Services commenced by this firm (mm/yy)	08/24	Total consultant contract cost (\$1,000's)	78	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	78	

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) completed a traffic study to evaluate access to the site from US 441 in accordance with Florida Department of Transportation (FDOT) requirements. Horizon's duties included:

- Review existing volume counts, turning movement counts, and driveway/median opening counts along US 441.
- Review crash data along US 441, perform crash data analysis, and prepare collision diagrams.
- Perform traffic signal warrant analysis.
- Estimate increased traffic volume due to development of site.
- Evaluate sight distance requirements.
- Prepare conceptual layouts for multiple alternatives, including signalized intersection with new left turn lane from US 441, median openings, driveways, and adjustments to timing of adjacent traffic signals.
- Prepare preliminary temporary traffic control plans, highway and driveway plan and profile, and cross sections.
- Prepare preliminary drainage calculations.
- Coordinate with FDOT.

Horizon completed an Intersection Control Evaluation (ICE) for FDOT to evaluate the installation of a new signalized intersection on US 441, which is currently under review by FDOT.

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

**17. Firm Experience:**

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

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) prepared a conceptual planning study to investigate the subdivision of the site, drainage requirements, and improvements to access from US 441; prepared final plans and specifications; and is currently awaiting permit reviews. Horizon's duties include:

- Review of site zoning information/maps, topographic and boundary surveys, traffic studies, and geotechnical investigations and reports.
- Preparation of preliminary site plans illustrating potential configurations of commercial lots within the site.
- Hydrologic and hydraulic modeling, analysis, and design to determine subsurface drainage and detention pond requirements for multiple configurations of the site.
- Coordination with the Florida Department of Transportation (FDOT), Federal Aviation Administration (FAA), St. Johns River Water Management District, Orange County, and City of Apopka.
- Investigation of potential improvements to access from US 441, including the feasibility of widening the existing shared driveway and adding new driveways, turn lanes, and/or a signalized intersection.
- Coordination and relocation of utilities.
- Permitting assistance.
- Preparation of final plans and specifications, including site grading; subsurface drainage and detention pond; widening of existing asphalt pavement driveway, **new Portland Cement Concrete (PCC) pavement driveway, concrete curbs, sidewalks, curb ramps**, and pavement markings; potential signalized intersection and associated median modifications; and other miscellaneous features.
- Construction support.

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

**17. Firm Experience:**

Firm name	<b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	Discipline(s)*	Right-of-Way, Survey, Other (Sidewalks)	
Project name	St. Mary Street Sidewalks		Firm responsibility (prime or sub?)	Prime
Project number	4400020019 State Project No. H.011833.5	Owner's name	City of Scott	
Project location	Lafayette Parish, LA	Owner's Project Manager	Jan-Scott Richard, Mayor	
Owner's address, phone, email	125 Lions Club Road, Scott, LA 70583, (337) 349-7591, jrichard@cityofscott.org			
Services commenced by this firm (mm/yy)	03/22	Total consultant contract cost (\$1,000's)	\$81	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$72	

The Louisiana Department of Transportation and Development and the City of Scott selected Fenstermaker to complete an ADA compliant sidewalk network on both sides of St. Mary Street from Lions Club Road to the BNSF Railroad right-of-way including subsurface drainage work where needed. St. Mary street is located centrally in the City of Scott's Cultural District and is home to art galleries, restaurants, music venues, and historic structures such as the Bank of Scott, which was listed on the National Register of Historic Places in 2016. St. Mary Street also serves as a connector between Scott Park, Scott City Hall, and the Scott Events Center. Creating pedestrian-safe spaces is a priority in this part of the city.

Fenstermaker was tasked with performing a **topographic survey**, drafting preliminary plans and cost estimates, and creating the Final Plans, specifications, and estimates. The City of Scott expanded the scope of the project to extend the sidewalks to Park West Drive and Cameron Streets. This expansion required the removal and replacement of existing sidewalks and the installation of subsurface drainage throughout the project area. Additionally, Fenstermaker developed a scope for a crosswalk study, determination of project limits, subsurface drainage design, and **right-of-way acquisition**.

**Key Personnel:** Bradford Millett, PLS, EI



**17. Firm Experience:**

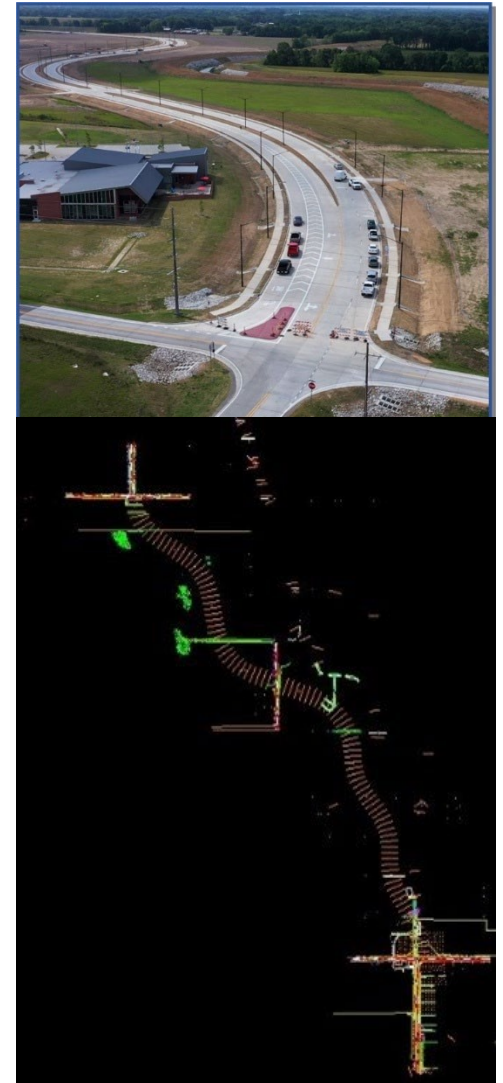
Firm name	<b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	Discipline(s)*	Road, Survey, Other (Sidewalks)
Project name	Apollo Road (LA 93) Extension and Roundabout		Firm responsibility (prime or sub?) Prime
Project number	Not applicable	Owner's name	City of Scott
Project location	Lafayette Parish, LA	Owner's Project Manager	Jan-Scott Richard, Mayor
Owner's address, phone, email	125 Lions Club Road, Scott, LA 70583. (337) 349-7591, jrRichard@cityofscott.org		
Services commenced by this firm (mm/yy)	07/11	Total consultant contract cost (\$1,000's)	\$3,654
Services completed by this firm (mm/yy)	03/24	Cost of consultant services provided by this firm (\$1,000's)	\$3,294

This \$15 million dollar construction project included two miles of a four-lane boulevard and six-foot sidewalks. Fenstermaker was responsible for the preliminary and final roadway design plans, utility relocation coordination, land acquisition services, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, and construction engineering and inspection services. Apollo Road will serve the Acadiana region, providing another major artery through the community, and allowing for improved traffic flow. The roadway will provide opportunities for expanded residential and commercial growth within the city, better access to schools, and serve as a hurricane evacuation route.

**Surveying Services**

Apollo Road Extension is expected to boost the region and the residents of the Scott Community. Fenstermaker performed a topographic survey of cross streets and road tie-ins and cross sections to update an existing elevation digital terrain model (DTM), and to locate all parcel boundaries affected by the proposed right of way. Surveying services also included surveying all drainage laterals and drainage structures for the project's hydraulic analysis and locating all utilities and topographic features within an identified area. Major drainage improvements along with the newly created roadway have created opportunities for residential and commercial developments. This \$15 million construction project included a multi-lane median-divided roadway and 6-ft. sidewalks. Fenstermaker performed all planning, surveying, and engineering services for all phases of the project.

**Key Personnel:** Bradford Millett, PLS, EI | Lance Fontenot



**17. Firm Experience:**

Firm name	<b>C. H. Fenstermaker &amp; Associates, L.L.C.</b>	Discipline(s)*	Road, Survey, Other (Sidewalks)
Project name	Kaliste Saloom Road Widening & Intersection Improvements LA 3070 to LA 733	Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Lafayette Consolidated Government
Project location	Lafayette Parish, LA	Owner's Project Manager	Warren Abadie, PE
Owner's address, phone, email	1515 E University Avenue, Lafayette, LA 70501, (337) 291-8548, WAbadie@LafayetteLA.gov		
Services commenced by this firm (mm/yy)	10/08	Total consultant contract cost (\$1,000's)	\$6,160
Services completed by this firm (mm/yy)	06/23	Cost of consultant services provided by this firm (\$1,000's)	\$3,561

The Kaliste Saloom Road Widening Project is a \$35 million construction project designed to be a walkable urban thoroughfare with shared bicycle lanes and 8-ft wide sidewalks in accordance with Complete Streets and Context Sensitive Solutions guidelines. Fenstermaker was responsible for the surveying, right-of-way platting, engineering design, construction plan development, and CE&I to widen Kaliste Saloom Road, an over-capacity major arterial roadway, from a 2-lane asphalt roadway to a 5-lane road with a continuous center turn-lane concrete roadway for approximately 1.7 miles. The project was designed as a walkable urban thoroughfare with shared bicycle lanes and 8-foot-wide sidewalks in accordance with Complete Streets and Context Sensitive Solutions guidelines. Fenstermaker was responsible for the project's surveying, right-of-way platting, engineering design, construction plan development, and CE&I. In addition, Fenstermaker designed all water and sewer utility relocations as well as drainage outfalls presented as stand-alone construction plans and construction efforts.

**Surveying Services**

The first activity along the project route was setting highly accurate permanent control that would last through the construction phase of the project. Fenstermaker picked specific locations, ran level loops, and logged OPUS solutions on each control point before beginning the topographic survey activities. Since the project corridor contained a significant number of utilities, Fenstermaker placed LA One Calls and coordinated with each utility owner to locate their infrastructure and conduct a plan in hand meeting on site to review the findings. Fenstermaker thoroughly reviewed the abstracting information provided by LCG and conducted additional courthouse research as needed. This information was relayed to the field crews to complete the field activities in support of right-of-way plat generation.

**Key Personnel:** Bradford Millett, PLS, EI | Lance Fontenot



## **18. Approach and Methodology:**

State Project No. H.015354.5 (Grand PT Sidewalk: Poydras – Doyle Melancon) will construct approximately 1.3 miles of new sidewalk on one side of Grand Pointe Ave. (LA 347) between Poydras St. and Doyle Melancon Rd. in the City of Breaux Bridge complying with the Americans with Disabilities Act (ADA), as well as associated curb ramps and crosswalks. The project may also include pedestrian signals at the Poydras St. intersection, driveway modifications to address adverse slopes, and drainage structures to accommodate the new sidewalks. These infrastructure improvements will have a positive impact on the community by improving pedestrian safety and access to residential and commercial areas. Horizon Engineering, LLC (Horizon) has reviewed the project limits and identified the following challenges that will need to be addressed during design to deliver a successful project.

### **1. CONSTRUCTABILITY**

Horizon's personnel have recently provided CE&I services for multiple DOTD and DOTD LPA pedestrian facility improvement projects, and this experience provides insight into the common construction challenges faced by the Contractor. We understand the importance of preparing Plans that are clear, concise, correct, complete, consistent, and constructable to facilitate efficient construction that minimizes disruptions to the public. We will identify and address potential constructability issues during the design phase to reduce the potential for costly change orders during construction and ensure that projects remain within budget. Common issues include excessive curb ramp, driveway, and sidewalk slopes affecting ADA compliance, failure to consider obstructions and other potential conflicts during the design phase, and poor sequencing of construction. Some of the

existing driveways will likely have excessive slope within the sidewalk limits and need to be partially or fully reconstructed to achieve ADA compliance. Horizon will identify and address these locations in the Plans to avoid the need for redesign (or design) during construction and associated costly change orders and delays.

### **2. POTENTIAL CONFLICTS**

The available space along LA 347 is limited at some locations and contains many potential conflicts, such as utilities (power poles, fire hydrants, etc.), trees, street lighting, drainage structures, signs, mailboxes, and driveways/curbs. Horizon will identify potential conflicts during a field investigation and begin coordinating with DOTD, the City of Breaux Bridge, utility companies, property owners, and other affected stakeholders as soon as possible to avoid delays. Additionally, at locations with obstructions that cannot be relocated, we will develop ADA compliant alternatives such as reduced width sidewalk segments with passing zones.

### **3. EFFICIENCY**

Minimal design details are necessary for sidewalk projects due to the extensive use of standard plans (e.g., PED-01), tables, simple plans/aerials, and typical sections. The primary goal when preparing sidewalk contract documents is to clearly identify the work locations and provide accurate estimated quantities as efficiently as possible and without including extraneous information that the contractor does not need. By only providing the information that is absolutely necessary for the contractor to construct the project, design costs will be significantly reduced, the schedule will be streamlined, and the contract documents will be simplified, which will

lead to the contractor having a better understanding of the scope of work.

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

### **4. BUDGET**

The contract documents must include accurate estimated quantities and work locations to facilitate competitive, accurate bids by contractors and avoid cost overruns. To minimize construction costs, we will perform a detailed field investigation to obtain measurements of driveway slopes and widths and identify potential crossing locations. We will prepare accurate estimated quantities and opinions of probable construction cost to help DOTD determine if adjustments to the construction scope of work prior to bidding are necessary to accommodate the budget.

### **5. PROPERTY ACCESS AND TRAFFIC**

The project will affect many commercial and residential properties, including adjacent businesses and homes. As such, a detailed and well-designed Sequence of Construction and Traffic Control Plan (TCP) will be required to minimize disruptions to the public, especially in the vicinity of signalized intersections and major driveways. Horizon has designed TCPs as both the design engineer and the contractor's engineer;

therefore, we know what information needs to be included on the TCP for bidders to be able to minimize contingencies and refine their bid prices for temporary traffic control. Additionally, we will evaluate the potential use of high early strength concrete for driveway replacement to minimize the duration of disruptions.

## 6. COORDINATION

While the contract will be held by DOTD, coordination with the City of Breaux Bridge and other affected stakeholders (e.g., businesses, residents, and utility companies) will also be critical to ensure that all project team members are on the same page. We will work with DOTD and the City of Breaux Bridge ensure that the improvements are aesthetically pleasing to the public.

## 7. CONSTRUCTION QUALITY

The quality of construction of concrete sidewalks has a major impact on their durability, longevity, and walkability. Common factors that must be considered are:

- Cracking and other similar localized failures typically occur due to underlying base issues, such as poor compaction and inadequate drainage.
- Cracking shortly after concrete placement typically occurs due to improper panel aspect ratios/joint spacing, inadequate contraction joint depth, and too much time elapsing between concrete set and saw cutting of contraction joints. Our Team will clearly specify joint layouts, contraction joint depths, and maximum durations that can elapse before saw cutting or tooling joints, preferably within approximately 4 hours.
- Cracking, separation, and other similar deterioration along joints typically occur due to misaligned dowels, poor concrete

consolidation, and debris filling joints. Our Team will include requirements for proper dowel alignment (perpendicular to joints), inspection of concrete placement to verify that concrete is sufficiently consolidated, and verification of preparation/cleaning of joints and interfaces between existing and new concrete prior to installation of joint filler and/or sealant and concrete placement.

- Excessive roughness and unevenness can negatively impact pedestrian safety and typically occur due to improper form elevations and/or screeding/finishing. Horizon will include requirements for verification of elevations and slopes.

## 8. SIGNALIZED INTERSECTIONS

The signalized intersection at Poydras St. does not have pedestrian signals or crosswalks. Horizon will identify these locations and design curb ramps and crosswalks, as well as recommend installing pedestrian signals if within the project budget to improve safety.

## DESIGN SCOPE OF WORK

Horizon fully understands the scope of work and will complete all design and construction stage tasks listed in Attachment A of the Advertisement in accordance with applicable requirements, such as Americans with Disabilities Act (ADA); DOTD Roadway Design Procedures and Details (i.e., Road Design Manual); AASHTO A Policy on Geometric Design of Highways and Streets (i.e., Green Book); AASHTO Guide for the Planning, Design, and Operation of Pedestrian Facilities; DOTD Complete Streets and Access Connections Policies; DOTD Engineering Directives and Standards (EDSMs); and DOTD Construction Plans Quality Control/Quality Assurance Manual. Horizon will implement the following approach and methodology, which highlights the major tasks required but is not all-

inclusive, to complete the project safely, correctly, on time, and in accordance with DOTD's requirements:

## PRE-DESIGN PHASE

- **Project Set-Up Meeting:** Meet with DOTD to review the contract and scope of services; roles, responsibilities, and expectations; schedule; budget; and topographic survey, pedestrian traffic data collection/analysis, and design requirements.
- **Existing Data Review:** Review existing data, such as as-builts for the original road construction and subsequent improvements/repairs, improvement studies, soil borings, traffic studies, utility information, driveway permits, and other related information, if available.
- **Design Progress Meetings:** Meet with DOTD monthly (or more frequently if desired) throughout design. Prepare agendas and meeting minutes.
- **Field Investigation:** Identify, photograph, and measure (dimensions and slopes) potential sidewalk, curb ramp, crosswalk, and pedestrian signal locations as well as potential obstructions and utility conflicts that will need to be addressed prior to construction.
- **Survey and Pedestrian Traffic Scope:** Prepare the topographic survey and pedestrian traffic data collection/analysis scope of work and submit to DOTD for review.
- **Topographic Survey:** Obtain aerial photogrammetry and LiDAR data. If necessary, supplement the data with additional points obtained using traditional surveying methods. Establish baseline along the road and temporary benchmarks for horizontal and vertical control. Obtain

additional points at intersections and potential crossing locations to facilitate curb ramp design. All surveying will be performed in accordance with the DOTD Location and Survey Manual, including Addendum A.

- **Traffic Data Collection/Analysis:** If adequate data is not available, or DOTD requests additional data, obtain pedestrian counts in accordance with DOTD Traffic Engineering Process and Report (TEPR) requirements. The traffic data will be used to determine the locations of pedestrian crossings, need for pedestrian signals, and other improvements to improve pedestrian safety.
- **Hydrologic and Hydraulic (H&H) Analysis:** Perform H&H analysis to determine the need for drainage structures and other improvements to accommodate the new sidewalk.

#### DESIGN AND PREPARATION OF PLANS, SPECIFICATIONS, AND OPCC

- **Plan Preparation:** Prepare Plans on 22"x34" sheets (or smaller if requested) in accordance with DOTD CAD Standards. Use CADconform to verify conformance with DOTD CAD Standards.
- **30% Preliminary Design:** Prepare the following plan sheets:
  - **Title Sheet and Layout Map**
  - **Preliminary Typical Section**, including sidewalk/landscaping section(s) and other related information.
  - **Preliminary Plan and Profile**, including survey data of existing conditions.
  - **Reference Points**, including baselines and TBM coordinates and type (iron rod, cross cut, etc.).
- **60% Preliminary Design:** Prepare the following plan sheets:

- **Plan and Profile**, including horizontal and vertical geometry of sidewalk.
- **95% Preliminary Design:** Prepare the preliminary design report and following plan sheets:
  - **General Notes**, including a general description of the scope of work; One Call and utility contact information; clarifications regarding the applicability of DOTD standard plans; and required approvals for crosswalk layouts prior to the start of the associated work.
  - **Preliminary Summary Sheets**, including applicable pay item for sidewalks, curb ramps, driveways, concrete curb, incidental concrete pavement, saw cutting, adjustment of drainage structures, and striping as applicable.
  - **Preliminary Summary of Estimated Quantities**, including primarily standard DOTD pay items and only including nonstandard pay items when a standard pay item does not exist.
  - **Sequence of Construction**, including measures to minimize disruptions to homes, businesses, and traffic, such as staggering sidewalk and driveway replacement and limiting the maximum duration that a driveway can be closed. The use of high-strength concrete for driveways will also be considered to minimize disruptions.
  - **Traffic Control Plan**, including any required detours (vehicular and pedestrian) during construction. Flaggers may be required at major intersections to guide traffic during active construction periods. The TCP will be designed in accordance with the MUTCD, DOTD Traffic Engineering Manual, and DOTD TTC standard plans.
- **Plan-in-Hand Meeting:** Attend plan-in-hand meeting to discuss preliminary

**HORIZON ENGINEERING, LLC**

submittals and identify potential conflicts that need to be addressed in final design.

- **Environmental Clearance Confirmation:** Proceed with final design upon confirmation of environmental clearance.
- **60% Final Design:** Update plans to include final typical sections and drainage design, as well as other necessary details/sheets, such as:
  - **Pavement Marking Layout**, including crosswalk striping at intersections where standard plans do not apply.
  - **Detail Sheets**, including curb ramps, crosswalks and pedestrian signals at intersections, landscaping, tie-ins to existing pavement or curbs, drainage structure adjustments, and base rehabilitation as necessary and notes describing where they apply and whether they supersede any standard plans.
- **95% Final Design:** Update plans to address 60% final design comments and incorporate applicable DOTD standard plans and special details. Prepare OPCC using estimated quantities, recent DOTD letting information, and bid tabs of recent projects of similar scope and magnitude. Prepare nonstandard specifications, such as saw cutting. Assist DOTD with preparation of special provisions as requested. Incorporate the following standard specifications:
  - DOTD Standard Specifications for Roads and Bridges, 2026 Edition
  - DOTD 2026 Supplemental Specifications
  - Applicable ASTM standards if necessary

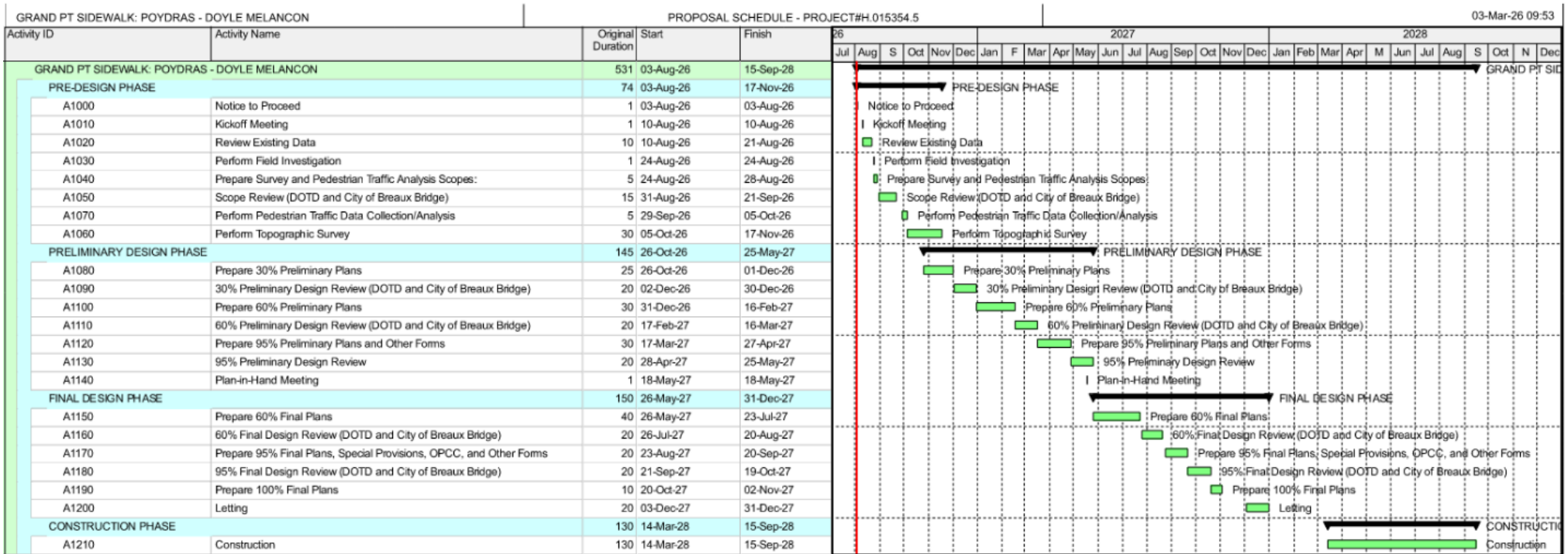
- **100% Final Design:** Address any remaining design review comments and submit 100% Final submittal, including digitally sealed and signed final Plans with written certification and other forms/requested information, such as:
  - **Final Design Report**
  - **Estimated Quantities Calculations**
  - **SWPPP Form**
  - **Constructability Review Form**
  - **Estimated Contract Time Worksheet**
  - **QA/QC Checklist**
- **Opinion of Probable Construction Cost:**

- **Construction On-Call Support:** Visit the project site and assist DOTD and the Contractor with questions and clarifications.

**CONSTRUCTION PHASE**

- **Preconstruction Conference:** Attend preconstruction conference with DOTD and Contractor.
- **Requests for Information (RFIs):** Review RFIs within 48 hours of receipt.

**FIGURE 1: SAMPLE PROJECT SCHEDULE**



**19. Workload:**

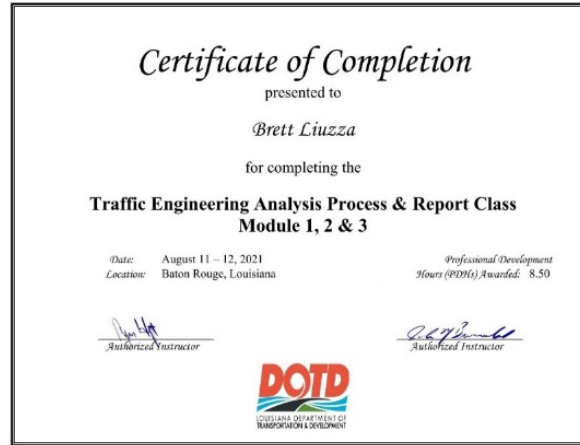
Firm(s) <b>ALL FIRMS</b> MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	CE&I/OV	Contract No. 4400029428 S. P. No. H.014049.6	St. Bernard Pedestrian Improvements (CE&I)	\$3,298
	CE&I/OV	Contract No. 4400030048 S. P. No. H.012867.6	S Larriviere Rd: LA 92 – Chemin Metairie (CE&I)	\$310,424
	CE&I/OV	Contract No. 4400031927 S. P. No. H.014737.6	Signal Upgrade: Sgt Alfred Dr @ Cleveland (CE&I)	\$101,492
	Road	Contract No. 4400031228 S. P. No. H.015469.5	Shreveport Pvmt Prgrm (Panel Replace)	\$132,068
C. H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 400005673 State Project No. H.011235.5	I-49 South @ Verot School Road US 90	\$87,739
	Road	Contract No. 4400020291 State Project No. H.012869	LA 182 (UNIV) @ LA 723(RENAUD) Roundabout LA 182 and LA 723	\$148,423
	Bridge	Contract No. 4400025023 State Project No. H.015513	Infrastructure Investment and Jobs Act (IIJA) Off- System Bridge Program District 03 Elenor Road Over Coulee	\$6,600
	Bridge	Contract No. 4400025023 State Project No. H.015335	Infrastructure Investment and Jobs Act (IIJA) Off- System Bridge Program District 03 Puma Road Over Coulee	\$42,500
	Bridge	Contract No. 4400025023 State Project No. H.015516	Infrastructure Investment and Jobs Act (IIJA) Off- System Bridge Program District 03 Bieber Road Over Nezpique Bayou	\$550
	Bridge	Contract No. 4400025023 State Project No. H.015512	Infrastructure Investment and Jobs Act (IIJA) Off- System Bridge Program District 03 Mullins Road Over Tete Bayou	\$4,400
	Bridge	Contract No. 4400025023 State Project No. H.015515	Infrastructure Investment and Jobs Act (IIJA) Off- System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	\$3,600

Firm(s) <b>ALL FIRMS</b> MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
C. H. Fenstermaker & Associates, L.L.C.	Bridge	Contract No. 4400025023 State Project No. H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee Pkwy. Over Coulee	\$34,400
	Bridge	Contract No. 4400025023 State Project No. H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Waste Water Road Over Bayou Boeuf	\$1,100
	Bridge	Contract No. 4400025023 State Project No. H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Phillip Street Over Drainage Bayou	\$29,100
	Bridge	Contract No. 4400025023 State Project No. H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Huval Street Over True Canal	\$2,900
	Bridge	Contract No. 4400025023 State Project No. H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	\$58,950
	Bridge	Contract No. 4400025023 State Project No. H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Minos Road Over Coulee	\$8,350
	Bridge	Contract No. 4400025023 State Project No. H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Aristide Road Over Coulee	\$1,100
	Bridge	Contract No. 4400025023 State Project No. H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Guegnon Street Over Youngs South Coulee	\$54,400
	Road	Contract No. 4400025625 State Project No. H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	\$485,855
	Environmental	Contract No. 4400027474	IDIQ Contract for Environmental Permitting and Biological Services Task Order No. 2 MS4 Permitting Support East Baton Rouge Parish District 61	\$19,980

Firm(s) <b>ALL FIRMS</b> MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
C. H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 4400030052 State Project No. H.014842	Task Order No. 1/H.014842.5 LA 3184: LA3025 – I-10 IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07	\$28,635
	Road	Contract No. 4400030052 State Project No. H.015966.5	Task Order No. 2 (H.015966.5) LA 3233: R-Cut at I-49 South Interchange IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07	\$119,698
	Traffic	Contract No. 4400021517 State Project Nos. H.01998, H.01990, H.013819, H.01197, H.012043, H.010001	Contract 5 for Moveable Bridges (6) Abbeville Bypass, Milton, Parks, Old Abbeville, West Fork, Ellender	\$75,212
	Other (Hydraulics)	Contract No. 4400031035	IDIQ Contract for Hydraulics Section Support Statewide	\$5,000,000
	Road	Project No. H.015508	Adam Guidry Road Over Coulee	\$58,950
	Road	Project No. H.015484.5	(IDIQ) LA 1162: Keith Duplechin Rd-LA 29	\$312,234
	Other (Hydraulics)	Contract No. 4400017090	LWI Region 4 TO5	\$60,000

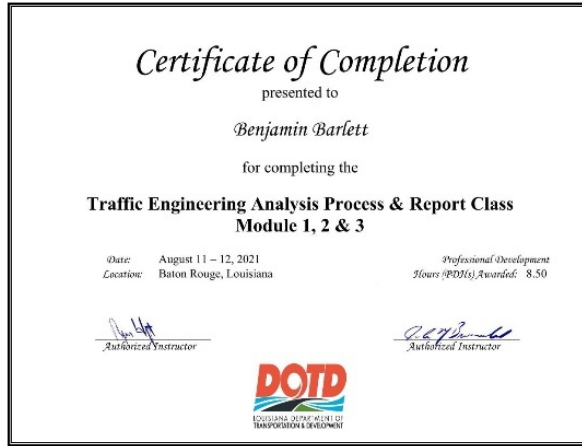
20. Certifications/Licenses:

**Brett Liuzza, PE**



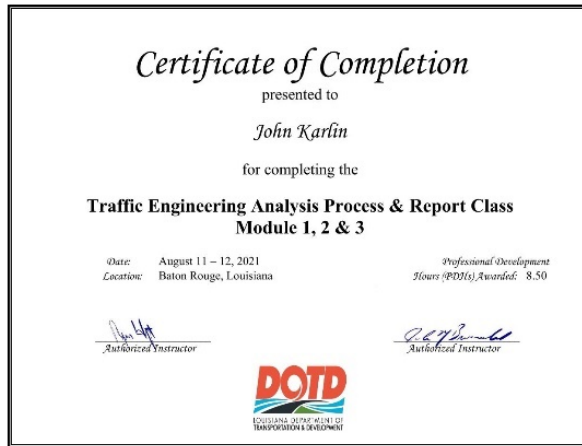
20. Certifications/Licenses:

**Ben Bartlett, PE, PTOE**



20. Certifications/Licenses:

John Karlin, SE, PE



20. Certifications/Licenses:

Collin Gillen, PE



20. Certifications/Licenses:

Paul Beullieu, EI



Paul Beullieu  
has attended  
Louisiana Traffic Control Supervisor

Completed: 09-OCT-2025

CEU (If Applicable): 1.5

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

American Traffic Safety Services Association  
ATSSA.com



Temporary Flagger Certification

Paul Beullieu

Issued: 29-OCT-2025

This temporary certificate is valid for 30 days from the date it was issued.



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

American Traffic Safety Services Association  
ATSSA.com



American Traffic Safety Services Association

This is to affirm that

**Paul Beullieu**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date: 10/29/2025 ATSSA

Exp. Date: 10/28/2029 Instructor Name

State Issued: Louisiana Instructor Signature

A1000378895

Verify at [Flagger.com](http://Flagger.com)

**20. Certifications/Licenses:**

**Lance Fontenot**



20. Certifications/Licenses:

Firm Registrations with Louisiana Secretary of State

**Louisiana SECRETARY OF STATE NANCY LANDRY**

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

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

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

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

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

**Horizon Engineering, LLC**

**Louisiana SECRETARY OF STATE NANCY LANDRY**

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Name	Type	City	Status
C. H. FENSTERMAKER & ASSOCIATES, L.L.C.	Limited Liability Company	LAFAYETTE	Active

**Previous Names**  
 C. H. FENSTERMAKER & ASSOCIATES, INC. (Changed: 12/31/2011)  
 Business: C. H. FENSTERMAKER & ASSOCIATES, L.L.C.  
 Charter Number: 33922270K  
 Registration Date: 8/10/1982

**Domicile Address**  
 135 REGENCY SQUARE  
 LAFAYETTE, LA 70508

**Mailing Address**  
 P.O. BOX 52106  
 LAFAYETTE, LA 70505

**Status**  
 Status: Active  
 Annual Report Status: In Good Standing  
 File Date: 8/10/1982  
 Last Report Filed: 7/11/2025  
 Type: Limited Liability Company

**C. H. Fenstermaker & Associates, L.L.C.**

**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:**

<b>Firm Name</b> <b>(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>)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
C. H. Fenstermaker & Associates, L.L.C.	135 Regency Square Lafayette, LA 70508	Michael Marine, PMP <a href="mailto:mmarine@fenstermaker.com">mmarine@fenstermaker.com</a>	(225) 237-2200

**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.**