

ENTITY CONTRACT NO. 4400031927  
STATE PROJECT NO. H.014737.6

SIGNAL UPGRADE:  
SGT ALFRED DR @ CLEVELAND (CE&I)

APRIL 24, 2025



SUBMITTED BY:  
HORIZON ENGINEERING, LLC



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

# DOTD FORM: 24-102

## PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised December 12, 2024)

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	SIGNAL UPGRADE: SGT ALFRED DR @ CLEVELAND (CE&I)
2. Contract Number(s) as shown in the advertisement	4400031927
3. State Project Number(s), if shown in the advertisement	H.014737.6
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u> )	Horizon Engineering, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0007715
6. Prime consultant mailing address	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	1013 N. Causeway Blvd., Suite 201 Metairie, LA 70001
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	John Karlin, SE, PE, Co-Founder and Principal (504) 270-1830 jkarlin@horizonengineeringllc.com

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

**HORIZON ENGINEERING, LLC**

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

**Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**



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

April 24, 2025

Date:

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

Firm(s):  
N/A



Firm(s)' %:  
N/A

**12. Discipline Table:**

Discipline(s)	% of Overall Contract	Horizon Engineering, LLC <b>(Prime)</b>	Gresham Smith	Each Discipline must total to 100%
CE&I/OV	100%	80%	20%	<b>100%</b>
Identify the percentage of work for the <b><u>overall contract</u></b> to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	<b>100%</b>	<b>80%</b>	<b>20%</b>	<b>100%</b>

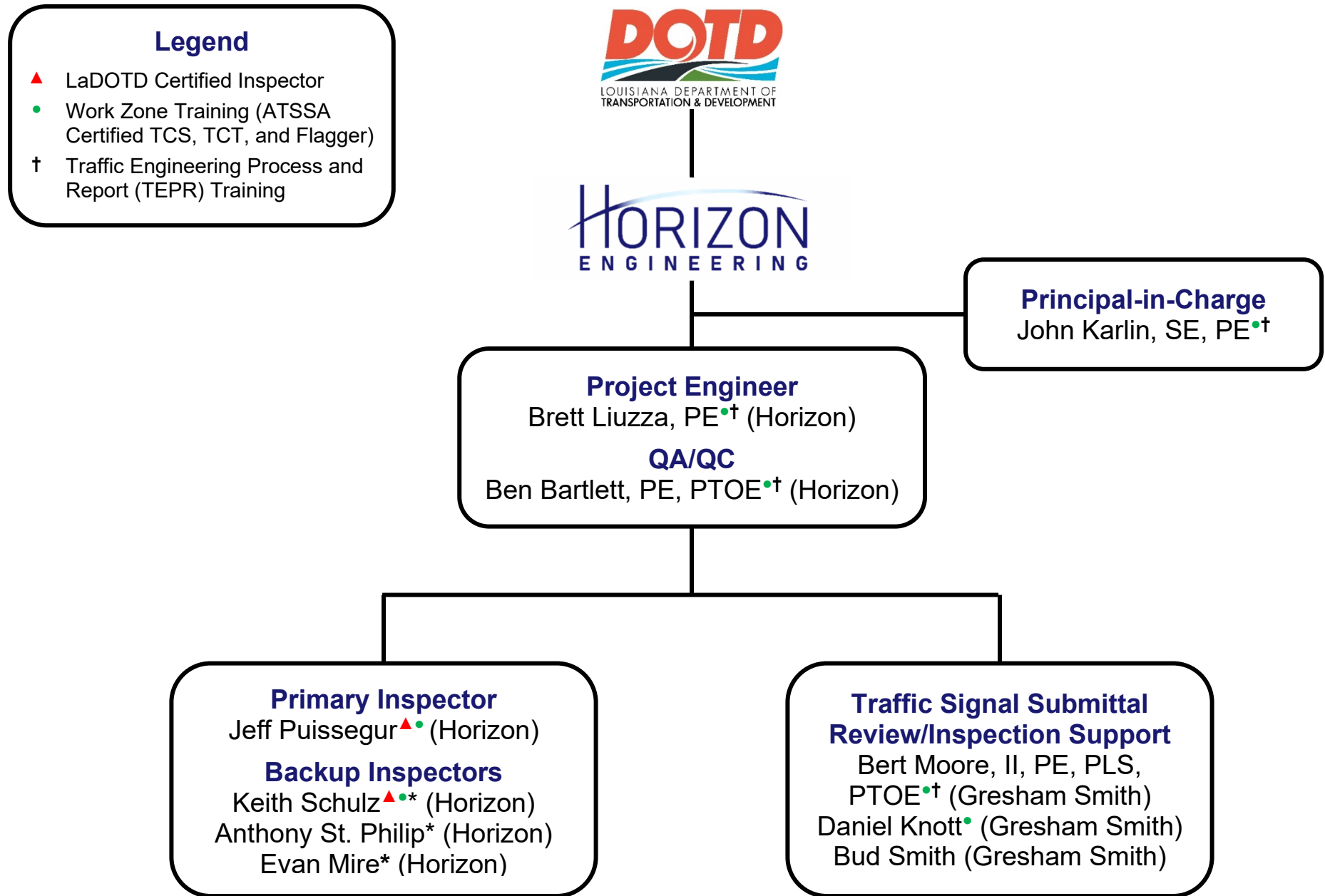


**13. Firm Size:**

Firm name	DOTD Job Classification	Number of personnel <u>committed to this contract</u>	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	1	3
	Inspector - Lead	1*	1
	Inspector - Certified	1*	1
	Inspector	2*	4
 <b>Gresham Smith</b> <b>Gresham Smith</b>	Principal	1	1
	ITS Technician - Lead	2*	2
	Clerical	1	1

\*Based on the project's scope of work, we anticipate that only one full-time certified inspector will be required; however, we will provide ITS technicians to assist with traffic signal electrical inspections and can provide one additional certified inspector and two additional uncertified inspectors to assist with field and office tasks, such as inspections and SiteManager duties, if necessary due to the contractor's manpower allocation, construction schedule, work hours, and other similar factors.

14. Organizational Chart:



\*Contract Employee

**15. Minimum Personnel Requirements:**

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	John Karlin, SE, PE	Horizon Engineering, LLC	PE #44795 – Civil and Structural SE #081-008511	LA IL	3/31/2027 11/30/2026
2	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2028
3	Brett Liuzza, PE	Horizon Engineering, LLC	PE #37753 – Civil	LA	9/30/2025
	Ben Bartlett, PE, PTOE	Horizon Engineering, LLC	PE #38980 – Civil PTOE #4020	LA USA	9/30/2026 3/29/2028

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Brett Liuzza, PE		Years of relevant experience with this employer
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Civil Engineering	
Active registration number / state / expiration date		37753 / LA / 9/30/2025	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		<b>Role:</b> Project Engineer ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> Construction administration (including SiteManager duties), construction engineering, management of inspectors, and coordination with City of Slidell and DOTD.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
05/08 – Present	<ul style="list-style-type: none"> <li>Over 16 years of construction administration and construction engineering experience, including many recent LaDOTD LPA CE&amp;I road projects for City of Slidell and other entities.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> </ul>		
05/23 – 01/24	<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> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared change orders and project closeout documentation.		
10/23 – 01/24	<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 Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared change orders and project closeout documentation.		
07/21 – 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> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Developed adjustments to utilities and drop inlets, manholes, and other drainage structures in the road. Performed Site Manager duties. Coordinated construction materials testing. 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, curbs, driveways, sidewalks, and curb ramps (14 blocks). <b>Cost:</b> ≈\$8,300,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.		

## Brett Liuzza, PE (Continued)

10/18 – 10/23	<b>H.007271.6 – Canal Blvd (R.E. Lee – Amethyst)</b> <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of asphalt roadway (including curbs, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$6,800,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed 2 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Developed adjustments to drop inlets, manholes, and other drainage structures in the roadway. Performed SiteManager duties. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
07/23 – 01/24	<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> Lead Construction Engineer. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Prepared change orders. During construction, re-evaluated the location of a pedestrian crossing at Vintage Dr. and prepared a report that identified an improved crossing location based on vehicular and pedestrian traffic data as well as existing site features.
07/13 – 04/16	<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 road damage. Designed asphalt pavement milling/overlay and patching, PCC pavement panel replacement, sidewalk modifications, ADA compliant curb ramps, utility adjustments, and adjustments to drop inlets, manholes, and other drainage structures in the road. Prepared plans, specifications, and opinions of probable construction cost. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
05/21 – 12/22	<b>RR122 and RR123 Marlyville-Fontainbleau Groups G and H (FRC)</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Road reconstruction, including drainage, sewer lines, water lines, curbs, driveways, sidewalks, and curb ramps. <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.
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 roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
10/12 – 12/13	<b>Hurricane Protection Levee Utility Crossings</b> <b>Owner:</b> Orleans Levee District Non-Flood Protection Asset Management Authority (OLD-NFPAMA). <b>Cost:</b> ≈\$1,500,000. <b>Scope:</b> Installation of electrical conduit, waterline, and sewer force main over Lake Pontchartrain levee for future use by SLFPA-E. <b>Role:</b> Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared change orders and project closeout documentation.
07/12 – 10/16	<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.

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Ben Bartlett, PE, PTOE		Years of relevant experience with this employer
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Master of Civil Engineering / 2010 / Civil Engineering Bachelor of Science / 2008 / Civil/Environmental Engineering	
Active registration number / state / expiration date		PE: 38980 / LA / 9/30/2026 PTOE: 4020 / USA / 3/29/2025	
Year registered	PE: 2014 PTOE: 2016	Discipline	Civil Engineer Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		<b>Role:</b> Quality Assurance/Quality Control ( <b>Satisfies MPRs 1, 2, and 3</b> ) <b>Responsibilities:</b> QA/QC of construction administration, construction engineering, inspection, and temporary traffic control.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/10 – Present	<ul style="list-style-type: none"> <li>Over 15 years of construction administration and construction engineering experience, including many recent LaDOTD LPA CE&amp;I road projects for City of Slidell and other entities.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>Licensed Professional Traffic Operations Engineer with significant experience coordinating, designing, inspecting, and adjusting temporary traffic control to promote motorist, pedestrian, and worker safety within active construction zones.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> </ul>		
10/23 – 01/24	<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, curbs, driveways, and curb ramps. <b>Cost:</b> ≈\$970,000. <b>Role:</b> Construction Engineer. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Reviewed construction materials testing. Developed adjustments to curb ramps based on existing site conditions. Reviewed change orders and project closeout documentation.		
03/21 – 01/24	<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. and Pontchartrain Blvd. 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. Managed inspectors. Reviewed RFIs, submittals, and pay applications. Prepared change orders.		
05/23 – 01/24	<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 Manager and Lead Construction Engineer. Led construction engineering and inspection. Managed inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; performed SiteManager duties; coordinated construction materials testing; and prepared change orders. During construction, re-evaluated the location of a pedestrian crossing at Vintage Dr. and prepared a report that identified an improved crossing location based on vehicular and pedestrian traffic data as well as existing site features.		

## Ben Bartlett, PE, PTOE (Continued)

02/16 – 10/18	<b>West Esplanade Avenue Canal Crossing (Between Williams Boulevard and David Drive)</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Installation of a signalized canal crossing over the West Esplanade Canal (Canal No. 2) to access existing and future commercial developments. <b>Cost:</b> ≈\$730,000. <b>Role:</b> Project Manager and Lead Civil and Construction Engineer. Designed traffic signals, asphalt pavement, concrete curb and gutter, and pavement markings for new east and west U-turns. Prepared plans, specifications, and opinion of probable construction cost. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared project closeout documentation.
03/19 – 09/21	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Inspected temporary lane closures of over 10 miles long and provided suggested modifications to improve motorist safety. Managed 10 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Managed inventory for ≈\$19,000,000 of stockpiled raw materials. Inspected fabricated steel posts and rails prior to installation. Coordinated construction materials testing. Prepared change orders and project closeout documentation.
05/20 – 01/24	<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 (est.). <b>Role:</b> Project Manager and Lead Civil Engineer. Performed hydrologic and hydraulic analysis. Designed 15" to 72" RCP drainage system, tie-ins to surrounding drainage system, asphalt pavement, concrete curb and gutter, pavement markings, traffic signals, sequence of construction, and temporary traffic control 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. Prepared plans, specifications, and opinions of probable construction cost.
08/24 – Ongoing	<b>Zellwood Station Phase 3 Traffic Study and ICE</b> <b>Owner:</b> Private. <b>Scope:</b> Traffic study and Intersection Control Evaluation (ICE) in accordance with FDOT requirements to evaluate access to the ≈10.4 acre Zellwood Station site from US 441 / W Orange Blossom Trail and installation of a new signalized intersection. <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.
10/24 – 11/24	<b>TTC Plans for Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Private. <b>Scope:</b> Temporary traffic control plans to facilitate bridge coating and installation of temporary works. <b>Role:</b> Lead Traffic Engineer. Designed lane closures, full road closures, and associated detours involving federal highways, state highways, and local streets, including Airline Dr. (US 61) and Causeway Blvd. (LA 3046), in accordance with MUTCD, LSSRB, and DOTD Standard Plans.
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.



**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	John Karlin, SE, PE		Years of relevant experience with this employer
Title	Co-Founder and Principal		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Master of Science / 2017 / Civil (Structural) Engineering Bachelor of Science / 2016 / Civil Engineering	
Active registration number / state / expiration date		PE: 44795 / LA / 3/31/2027 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 City of Slidell and DOTD.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
09/17 – Present	<ul style="list-style-type: none"> <li>Over 7 years of construction administration and construction engineering experience.</li> <li>AMPP (Formerly NACE/SSPC) Senior Certified Coatings Inspector (CIP Level 3).</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> <li>Completed the 3 modules of LTRC Traffic Engineering Process and Report (TEPR) Course.</li> </ul>		
07/21 – 12/22	<b>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; and identified potential design and constructability issues.		
10/23 – 01/24	<b>H.004791 – Belle Chasse Bridge and Tunnel Replacement (Public-Private Partnership Project)</b> <b>Owner:</b> United States Army Corps of Engineers (USACE)/LaDOTD. <b>Scope:</b> Replacement of 2-lane vertical lift Judge Perez Bridge and 2-lane Belle Chasse Tunnel with 4-lane fixed bridge over GIWW. <b>Cost:</b> ≈\$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.		
04/20 – 03/22	<b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Construction Engineer. Performed reinforcement inspections. Reviewed RFIs and submittals. Assisted with review of pay applications and preparation of change orders and project closeout documentation.		

## John Karlin, SE, PE (Continued)

09/17 – 01/24	<p><b>Rehabilitation of Causeway Boulevard/Airline Drive Interchange</b>  <b>Owner:</b> Jefferson Parish. <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 (OPCC). Managed 4 inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Coordinated construction materials testing. Developed adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement. Designed emergency deck repairs to replace failed expansion joint with only weekend road closures. Prepared change orders and project closeout documentation.</p>
05/19 – 09/21	<p><b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b>  <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Construction Engineer. Inspected temporary lane closures of over 10 miles long. Managed 10 inspectors; performed inspections; reviewed RFIs, submittals, and pay applications; managed inventory for ≈\$19,000,000 of stockpiled raw materials; inspected fabricated steel posts and rails prior to installation; coordinated construction materials testing; prepared change orders; and prepared project closeout documentation.</p>
12/21 – 01/24	<p><b>Nashville Avenue Wharf “A” Substructure Repairs Phase 2 (CMAR)</b>  <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1960s wharf along Mississippi River (5,375 steel piles, approximately 1,000,000 square foot reinforced concrete deck, and 2,400 foot long reinforced concrete bulkhead). <b>Cost:</b> ≈\$25,000,000 (est.). <b>Role:</b> Project Manager and Lead Structural Engineer. Led above water and underwater inspections. Managed 10 inspectors and 4 divers. Evaluated CMAR contractor value engineering proposals. Performed inspections. Reviewed RFIs and submittals.</p>
11/24 – 04/25	<p><b>Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Coating of portion of 1950s elevated interchange (2 ramps and 4 lane overpass), including containment system installation; solvent cleaning, waterjet cleaning, and abrasive blast cleaning; and application of a three-coat system. <b>Cost:</b> ≈\$5,500,000. <b>Role:</b> Coating Quality Assurance Manager. Reviewed submittals, including Contractor’s quality control plan, surface preparation and coating application plans, and quality control documentation. Performed coating inspections, including visual inspections and environmental conditions, soluble salts, surface profile, and dry film thickness testing.</p>
04/19 – 07/20	<p><b>St. Andrew Street Wharf Erosion Mitigation Project</b>  <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Installation of bulkhead consisting of 50-foot long steel sheet pile wall and reinforced concrete pile cap and PCC pavement roadway repairs along the Mississippi River (1,600 feet long). <b>Cost:</b> ≈\$3,800,000. <b>Role:</b> Project Manager and Lead Construction Engineer. Managed inspectors and performed inspections. Reviewed RFIs, submittals, and pay applications. Prepared design modifications to accommodate field conditions. Prepared change orders and project closeout documentation.</p>
04/23 – 01/24	<p><b>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Traffic study in accordance with LaDOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). <b>Fee:</b> ≈\$190,000. <b>Role:</b> Project Manager and Traffic Engineer. Led coordination with Jefferson Parish, LaDOTD Traffic Engineering Division, RPC, JPSO, and LSP. Prepared scope of work. Managed 6 field personnel for volume count, turning movement count, and driveway/median opening count equipment installation, peak period observations, and geometric field review. Reviewed peak period, peak hour, unmet demand, balanced volumes, and unbalanced and balanced volume maps.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>			
Name	Jeff Puissegur		Years of relevant experience with this employer
Title	Senior Inspector		<1
Degree(s) / Years / Specialization		Bachelor of Arts / 1999 / Social Science Associate of Arts / 1996 / Business Management	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<b>Role:</b> Primary Inspector <b>Responsibilities:</b> Inspection and construction documentation (including HeadLight and SiteManager duties).	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
2008 – Present	<ul style="list-style-type: none"> <li>Over 16 years of inspection experience, including many recent LaDOTD LPA CE&amp;I road projects for City of Slidell and other entities.</li> <li>Certified by LaDOTD in <b>Embankment and Base Course, PCC Paving, and HMA (Asphalt Concrete) Paving.</b></li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>		
06/23 – 12/23	<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> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.		
11/23 – 02/24	<b>H.014317.6 – Carey St. Pavement Rehabilitation</b> <b>Owner:</b> City of Slidell (LaDOTD LPA project). <b>Scope:</b> Repair/replacement of deficient PCC pavement panels, curb, driveways, and curb ramps. <b>Cost:</b> ≈\$970,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.		
05/24 – 08/24	<b>H.011775.6 – US 11 &amp; US 190 Bicycle and Ped Crossings</b> <b>Owner:</b> LaDOTD. <b>Scope:</b> Intersection improvements at US 11/US 190, including milling, patching, and overlay of asphalt and replacement of asphalt with PCC pavement; installation of traffic signals (vehicular and pedestrian), concrete sidewalks, and crosswalks; and drainage structure modifications. <b>Cost:</b> ≈\$1,200,000. <b>Role:</b> Lead Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.		

## Jeff Puissegur (Continued)

05/19 – 08/20	<p><b>H.011798.6 – Airline Park Blvd (Camphor – W Napoleon)</b>  <b>Owner:</b> Jefferson Parish (LaDOTD LPA project). <b>Scope:</b> Replacement of asphalt roadway and PCC pavement roadway (including curb, driveways, sidewalks, and curb ramps); drainage, sewer, and water improvements; and installation of drainage pump station and associated canal bank sheeting and riprap. <b>Cost:</b> ≈\$6,000,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.</p>
01/22 – 02/23	<p><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 roadway with PCC pavement roadway (including curb, driveways, sidewalks, and curb ramps) and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$4,500,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.</p>
08/24 – 11/24	<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> Inspector. Performed inspections. Reviewed quantities. Prepared daily work records (DWRs). Assisted with materials sampling and coordination of construction materials testing. Assisted with the review of RFIs. Prepared redline as-built plans. Assisted with the preparation of project closeout documentation.</p>
09/16 – 02/17	<p><b>H.007277.6 – Lake Forest Boulevard</b>  <b>Owner:</b> City of New Orleans (LaDOTD LPA project). <b>Scope:</b> Replacement of PCC pavement roadway; asphalt roadway milling and overlay; and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$490,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.</p>
01/13 – 04/16	<p><b>Jefferson Parish Submerged Roadways Program</b>  <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Evaluation of Hurricane Katrina related roadway damage and repair/replacement of deficient roadways (85 PCC pavement streets and 8 miles of asphaltic concrete roadway). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to drop inlets, manholes, and other drainage structures in the roadway; and assisted with the preparation of project closeout documentation.</p>
01/21 – 12/21	<p><b>Milneburg Group B (FRC) Streets</b>  <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.</p>

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
Name	Keith Schulz		Years of relevant experience with this employer	<1
Title	Inspector		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		Bachelor of Science / 2012 / Construction Management		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<b>Role:</b> Backup Inspector <b>Responsibilities:</b> Assist Primary Inspector with inspection and construction documentation.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/12 – Present	<ul style="list-style-type: none"> <li>Over 12 years of inspection experience.</li> <li>Certified by LaDOTD in <b>HMA (Asphalt Concrete) Paving</b>.</li> <li>Certified ATSSA Traffic Control Supervisor (TCS), Technician (TCT), and Flagger.</li> </ul>			
04/21 – 12/21	<b>Milneburg Group B (FRC) Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); and prepared redline as-built plans.			
04/21 – 09/21	<b>Mid-City Group B Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; installation of ADA compliant curb ramps; and drainage, sewer, and water improvements (111 blocks). <b>Cost:</b> ≈\$24,000,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); and prepared redline as-built plans.			
04/21 – 05/23	<b>Black Pearl Group B Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; and drainage, sewer, and water improvements (18 blocks). <b>Cost:</b> ≈\$6,600,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); and prepared redline as-built plans.			
09/20 – 04/21	<b>Audubon Group A Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roads; patching and mill and overlay of asphalt roads; patching of PCC pavement; repair of curbs, sidewalks, and driveways; installation of ADA compliant curb ramps; and drainage, sewer, and water improvements (89 blocks). <b>Cost:</b> ≈\$9,400,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); prepared redline as-built plans; and assisted with the preparation of project closeout documentation.			

## Keith Schulz (Continued)

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



**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
Name	Anthony St. Philip		Years of relevant experience with this employer	<1
Title	Senior Inspector		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			Bachelor of Science / 1980 / Industrial Management Technology	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			<b>Role:</b> Backup Inspector <b>Responsibilities:</b> Assist Primary Inspector with inspection and construction documentation.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 – Ongoing	<b>RR 215: Dillard Group A &amp; B (RR031/RR032)</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Road reconstruction, asphalt milling and overlay, road patching, and associated drainage, sewer, and water improvements for 188 city blocks in the vicinity of Dillard University. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Lead Inspector. Inspected base course installation, PCC pavement installation, asphalt milling and overlay, asphalt patching, PCC pavement patching; drainage pipe, drainage structure, curb, driveway, and sidewalk installation; and pavement marking installation. Reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.			
06/21 – 12/21	<b>Milneburg Group B (FRC) Streets</b> <b>Owner:</b> City of New Orleans. <b>Scope:</b> Replacement of asphalt roadway and drainage, sewer, and water improvements. <b>Cost:</b> ≈\$7,400,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with materials sampling and coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to utilities and drop inlets, manholes, and other drainage structures in the roadway; prepared redline as-built plans; and assisted with the preparation of project closeout documentation.			
05/20 – 06/21	<b>Seawall Erosion Control Paving Project (Reaches 1A-1C, 2A-2D, 3A-3C, 4, 5, and 5B)</b> <b>Owner:</b> SLFPA-E. <b>Scope:</b> Fortification of the Lake Pontchartrain seawall and roadway, drainage, and lighting improvements (5.2 miles long). <b>Cost:</b> ≈\$50,000,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.			
05/10 – 05/14	<b>Tidewater Road Reconstruction</b> <b>Owner:</b> Plaquemines Parish. <b>Scope:</b> Construction of new 12” concrete road outside of flood protection (3 feet higher than original road to reduce flooding), detour road, and waterline relocation (≈2.5 miles long). <b>Cost:</b> ≈\$20,000,000. <b>Role:</b> Lead Inspector. Performed inspections; reviewed quantities; prepared daily work records (DWRs); assisted with coordination of construction materials testing; assisted with the review of RFIs; and assisted with the preparation of project closeout documentation.			



## Anthony St. Philip (Continued)

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

**16. Staff Experience:**

Firm employed by <b>Horizon Engineering, LLC</b>				
Name	Evan Mire		Years of relevant experience with this employer	<1
Title	Inspector		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization			Bachelor of General Studies / 2013	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			<b>Role:</b> Backup Inspector <b>Responsibilities:</b> Assist Primary Inspector with inspection and construction documentation.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/21 – 02/23	<b>Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1950s elevated interchange (2 ramps and 4 lane overpass). <b>Cost:</b> ≈\$13,000,000. <b>Role:</b> Inspector. Performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; assisted with the review of RFIs; assisted with the development of adjustments to post-installed adhesive anchor and reinforcing bar positions to avoid conflicts with existing reinforcement; assisted with the inspection, coordination, and development of field adjustments for emergency deck repairs to replace failed expansion joint with only weekend road closures; and assisted with the preparation of project closeout documentation.			
10/19 – 01/21	<b>Lake Pontchartrain Causeway Southbound Bridge Rail Improvements</b> <b>Owner:</b> GNOEC. <b>Scope:</b> Installation of enhanced steel bridge rails and other miscellaneous repairs (48 miles of steel rail) while maintaining ADT of over 20,000. <b>Cost:</b> ≈\$40,000,000. <b>Role:</b> Inspector. Inspected temporary lane closures of over 10 miles long; performed inspections; reviewed quantities; prepared daily reports; assisted with coordination of construction materials testing; and assisted with the review of RFIs.			
05/22 – 06/22	<b>Nashville Avenue Wharf “A” Substructure Repairs Phase 2 (CMAR)</b> <b>Owner:</b> Port of New Orleans. <b>Scope:</b> Structural inspection and evaluation and rehabilitation of 1960s wharf along Mississippi River (5,375 steel piles, approximately 1,000,000 square foot reinforced concrete deck, and 2,400 foot long reinforced concrete bulkhead). <b>Cost:</b> ≈\$25,000,000 (est.). <b>Role:</b> Inspector. Inspected steel pipe piles, H-piles, tube piles, and associated bracing; grouted FRP pile jackets and concrete pile jackets; reinforced concrete drop panels, pile caps, and bottom of deck; and timber fender piles from both land and water in accordance with ASCE MOP 130 and project specific criteria.			
04/23 – 05/23	<b>US 90 / Jefferson Hwy. at LA 3046 / Causeway Blvd. Traffic Study</b> <b>Owner:</b> Jefferson Parish. <b>Scope:</b> Traffic study in accordance with LADOTD TEPR requirements (14 volume count, 12 turning movement count, and 17 driveway/median opening count locations). <b>Fee:</b> ≈\$195,000. <b>Role:</b> Field Technician. Installed and removed volume count, turning movement count, and driveway/median opening count equipment.			

## 16. Staff Experience:

Gresham Smith



**Herbert "Bert" Moore, II, P.E., PLS,  
PTOE**

Senior Traffic Engineer

**Years of experience with this firm/employer**

10

**Years of experience with other firm(s)/employer(s)**

16

**Degree(s) / Years / Specialization**

Bachelor of Science / 1999 / Civil Engineering, Louisiana State University

**Active registration number /  
state / expiration date**

P.E.0031065 / LA / Exp. 9/30/26 | PTOE 2728 / Exp. 9/30/26 | PLS 5043 / LA / Exp. 9/30/26

**Year registered**

2004(PE);  
2009(PTOE);  
2010(PLS)

**Discipline**

P.E./Civil, PLS, PTOE

**Contract role(s) / brief description of responsibilities**

Senior Traffic Engineer / Bert will provide technical support during construction for traffic signals.

**Experience dates  
(mm/yy–mm/yy)**

**Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**

Career

In his 26 years of experience as both as a consultant and as LADOTD's District Traffic Operations Engineer for District 61, Bert has demonstrated his knowledge of LADOTD requirements and preferences, and proven adept at getting things done efficiently. Bert has spent the majority of his 26-year career working with the traffic signal system and ITS equipment in the Baton Rouge area, having performed design, operations, CE&I and maintenance duties on these systems

1/19–Ongoing

**LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA | Project Executive.** Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Bert is responsible for oversight of the entire project.

10/18–5/24

**LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA | Project Executive.** Gresham Smith developed an Adaptive Traffic Signal System for the Lafayette Consolidated Government, which involved upgrading over 200 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be both the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of over 200 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel time studies. Bert is responsible for overseeing the, design of traffic signals, integration and QA/QC.

4/19–5/20

**LADOTD, ITS CE&I IDIQ, Task Order #2: Fiber Optic Mapping & Management, Ascension, East Baton Rouge, West Baton Rouge, Livingston and Terrebonne Parishes, LA | Principal.** Gresham Smith was tasked with expanding the Fiber Optic Mapping & Management system to various parishes. Bert was responsible for overall project coordination and team management.

8/15–11/18

**LADOTD, ITS Design & Implementation WO#4: I-10 Twin Span ITS-Orleans & St. Tammany Parishes, Statewide, LA | Project Executive.** Gresham Smith developed design plans along with specifications and cost estimates for the eight-mile I-10 Twin Span ITS project. The project retrofitted ITS equipment along the corridor utilizing existing fiber, electrical systems, cabinets, camera poles, a Dynamic Message Sign (DMS) structure, a communications hut and a bridge health system. Bert was responsible for the overall project management, QA/QC, traffic control plans, transportation management plan (TMP), constructability / biddability forms and cost estimates.

## 16. Staff Experience:

Gresham Smith

**Daniel Knott**

ITS/Traffic Signal/Electrical Inspector

Years of experience with this employer

8

Years of experience with other employer(s)

38

Degree(s) / Years / Specialization	IMSA / Traffic Signal Field Technician Level II, IMSA / Fiber Optics Level II, Light Brigade / Fiber Optic Design, Installation, and Maintenance, NFPA 70 NEC Ce		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Traffic Signal Electrical Inspector / Daniel will assist the Primary Inspector with traffic signal electrical inspections.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
11/22–Ongoing	LADOTD, CEI - H.013256 , Scott to Lake Charles ITS, CEI, Lake Charles, LA   ITS Technician – Lead. Gresham Smith is providing Construction Engineering Inspection Services, including a project engineer, on-site daily/ nightly inspection and Technical construction inspection, throughout construction. Dan is responsible for assisting with the daily field CE&I inspections, logging in the daily diaries, and ensuring project requirements are followed.		
12/18–5/24	Lafayette Consolidated Government (LCG), Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA   ITS Technician - Lead. Daniel supported field verification of LCG’s TSI, design plans for adaptive signal control intersections, and integration when the system is completed.		
12/17–Ongoing	MDOT, ITS CEI, US 49 from Florence to Scale Area, Florence, MS   ITS Technician - Lead. Gresham Smith is providing construction administration and inspection services on the ITS elements included in the US 49 from Florence to the Scale Area Project. Daniel is responsible in leading the daily field CE&I inspections, logging in the dailies, and implementing project requirements.		
5/17–Ongoing	LADOTD, ITS Design and Implementation, WO#6: Fiber Optic Mapping and Management, Tangipahoa, St. Tammany, St. John and Orleans Parishes, LA   ITS Technician - Lead. Daniel was responsible for drafting updates onto the master database.		
1/19–3/24	LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA   ITS Technician - Lead. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Daniel assisted with the daily field CE&I inspections, logging in the daily diaries, and ensuring project requirements are followed.		
3/18–9/21	LADOTD, ITS CEI Retainer, Signal Communications Upgrade Phase 1, CEI, Various, LA   ITS Technician – Lead. Daniel was responsible in leading the daily field CE&I inspections, logging in the dailies, and ensuring project requirements were followed.		

## 16. Staff Experience:

Gresham Smith

**William “Bud” Smith**

ITS/Traffic Signal/Electrical Inspector

Years of experience with this employer

5

Years of experience with other employer(s)

39

Degree(s) / Years / Specialization

N/A

Active registration number /  
state / expiration date

N/A

Year registered

N/A

Discipline

N/A

Contract role(s) / brief description of responsibilities

Traffic Signal Electrical Inspector / Bud will assist the Primary Inspector with traffic signal electrical inspections.

Experience dates  
(mm/yy–mm/yy)Experience and qualifications relevant to the proposed contract; *i.e.*, “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

11/22–Ongoing

**LADOTD CEI - H.013256 , Scott to Lake Charles ITS, CEI, Lake Charles, LA | ITS Technician.** Gresham Smith is providing Construction Engineering Inspection Services, including a project engineer, on-site daily/nightly inspection and Technical construction inspection, throughout construction. Bud is responsible for assisting with the daily field CE&I inspections, logging in the daily diaries, and ensuring project requirements are followed.

10/18–5/24

**LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA | ITS Technician.** Gresham Smith developed an Adaptive Traffic Signal System for the Lafayette Consolidated Government, which involved upgrading over 200 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be both the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of over 200 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel time studies.

1/19–3/24

**LADOTD CEI- H.011500.6 Lake Charles Phase 3, Lake Charles, LA | ITS Technician.** Gresham Smith is providing Construction Engineering Inspection Services, including a project engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Bud is responsible for assisting with the daily field CE&I inspections, logging in the daily diaries, and ensuring project requirements are followed.Prior to joining  
Gresham Smith**LADOTD, District 07, Lake Charles, LA | ITS Technician.** While working at LADOTD, Bud’s responsibilities included overseeing and assisting in data collection needed for traffic studies, overseeing the District’s Highway Beautification and Outdoor Advertising programs, analyzing information gathered and recommending traffic control and capacity improvements, receiving and responding to traffic related inquiries and requests from the general public and other government agencies, inspecting newly installed traffic signs, striping and signals to ensure compliance with the state and federal specifications, project plans and contract documents, and overseeing and assisting in maintaining current and historical records of traffic signs and signals, speed limits, and pavement markings.

**17. Firm Experience:**

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

The St. Bernard Pedestrian Improvements project will improve pedestrian facilities along LA 47 (Paris Rd.) by installing new pedestrian signals, signage, high visibility pavement markings, ADA compliant curb ramps, median islands, and other associated features. Horizon is currently providing construction engineering and inspection services for the project.

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

**17. Firm Experience:**

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

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

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



**17. Firm Experience:**

Firm name	Horizon Engineering, LLC		Discipline(s)*		CE&I/OV	
Project name	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 is currently completing an Intersection Control Evaluation (ICE) for FDOT to evaluate the installation of a new signalized intersection on US 441.

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

**17. Firm Experience:**

Firm name	<b>Horizon Engineering, LLC</b>		Discipline(s)*	CE&I/OV	
Project name	Coating of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive			Firm responsibility (prime or sub?)	Sub
Project number	2017-012A-RBP	Owner's name	Jefferson Parish		
Project location	Metairie, Louisiana			Owner's Project Manager	Matthew Zeringue
Owner's address, phone, email	1221 Elmwood Park Blvd., Ste. 802, Jefferson, LA 70123 / (504) 736-6500 / matthew.zeringue@jeffparish.gov				
Services commenced by this firm (mm/yy)	11/24	Total consultant contract cost (\$1,000's)			16
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm (\$1,000's)			15

The Causeway Boulevard/Airline Drive Interchange was originally constructed in the 1950s and consists of 8 ramps, an elevated traffic circle, and a 4-lane overpass. This project was the second phase of rehabilitation of the interchange and involved coating Ramps 6 and 7 and the Overpass, including containment system and suspended work platform installation; solvent cleaning, waterjet cleaning, and abrasive blast cleaning to remove existing coatings containing lead and other hazardous materials and provide a surface profile; and application of a three coat system consisting of an organic zinc primer, epoxy intermediate coat, and polyurethane top coat.

Horizon provided coating quality assurance services for Jefferson Parish, including review of the Contractor's quality control plan, surface preparation and coating application plans, and quality control documentation; visual inspections; and environmental conditions, soluble salts, surface profile, and dry film thickness testing. Horizon's personnel led the overall interchange rehabilitation project while at their previous firm, including the design of this project, design of the first phase and future phases, and CE&I of the first phase completed in 2023 (Rehabilitation of Ramps 6, 7, and Overpass of Causeway Boulevard at Airline Drive; ≈\$13,000,000 construction cost).

**Firm Members Involved:** John Karlin

**17. Firm Experience:**

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

The Zellwood Site consists of approximately 10.4 acres and is located on the east side of W. Orange Blossom Trail (US 441). Horizon Engineering, LLC (Horizon) 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:**

<b>Gresham Smith</b>		<b>Discipline(s)*</b>   CE&I/OV and ITS	
<b>LADOTD, Traffic Signal Communications Upgrade Phase I, CEI</b>		<b>Firm responsibility (prime or sub?)</b>	Prime
<b>Project number</b>	H.012749.6-1	<b>Owner's name</b>	Louisiana Department of Transportation and Development
<b>Project location</b>	Ascension, East Baton Rouge, Livingston, St. James and West Baton Rouge Parishes, Louisiana	<b>Owner's Project Manager</b>	Lucy Kimbeng, P.E.
<b>Owner's address, phone, email</b>	1201 Capitol Access Road, Baton Rouge, LA / 225.379.2528 / lucy.kimbeng@la.gov		
<b>Services commenced by this firm (mm/yy)</b>	01/20	<b>Total consultant contract cost (\$1,000's)</b>	\$324
<b>Services completed by this firm (mm/yy)</b>	09/21	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$324

For this task order, Gresham Smith provided the project engineering and administration, as well as field inspection services. The contractor installed underground conduit, pull boxes, fiber optic cables, replacing signal cabinets, upgrading signal controllers and installing CCTV cameras.

CEI tasks include on-site daily/nightly construction inspection, daily/weekly/monthly construction inspection reporting, construction management, pre-construction meeting, construction progress meetings, submittal coordination and tracking, sampling plan review, sampling coordination and documentation, verifying compliance documentation, claims processing and tracking, construction schedule review and tracking, SWPPP coordination, certified payroll review and exception resolution, monthly partial estimate reviews, change order processing, site manager updates, field diaries, commission test findings report, witnessing fiber optic cable testing, commission testing and system integration testing, and final project file documents.

**Nature of firm's responsibility:** Prime Consultant; Overall responsibility for entire contract.

**Firm members involved include:** Daniel Knott and Bert Moore



#### Scope Elements

- Project Management
- Daily Inspection
- Change Order Processing
- Monthly Estimates

**17. Firm Experience:**

<b>Gresham Smith</b>		<b>Discipline(s)*</b>   CE&I/OV and ITS	
<b>LADOTD, US 61 @ LA 427 CE&amp;I</b>			<b>Firm responsibility (prime or sub?)</b>   Sub
<b>Project number</b>	H.014088.6	<b>Owner's name</b>	Michael Baker International
<b>Project location</b>	Prairieville, Louisiana	<b>Owner's Project Manager</b>	Mary Flynn, P.E.
<b>Owner's address, phone, email</b>	2600 Citiplace Dr, Suite 450, Baton Rouge, LA 70808 / 225.706.0744 / mary.flynn@mbakerintl.com		
<b>Services commenced by this firm (mm/yy)</b>	03/25	<b>Total consultant contract cost (\$1,000's)</b>	Unknown
<b>Services completed by this firm (mm/yy)</b>	Ongoing	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$202

Gresham Smith is contracted by Michael Baker International to perform CEI services for the US 61 Intersection Improvements at LA 427. Gresham Smith inspectors are working together with contractors to ensure that all guidelines and parameters from the design plans are translated correctly to the construction zone. Along with maintaining accurate construction relative to designs, Michael Baker International and Gresham Smith are responsible for daily records and reports.

Throughout the project there have been multiple revisions in plans and Gresham Smith has worked proactively with contractors to make sure that all revisions are portrayed accurately in construction. CEI tasks include installation of concrete pipe along the roadway, working around existing water lines, fiber optic lines, and phone lines.

**Nature of firm's responsibility:** Sub to Michael Baker International

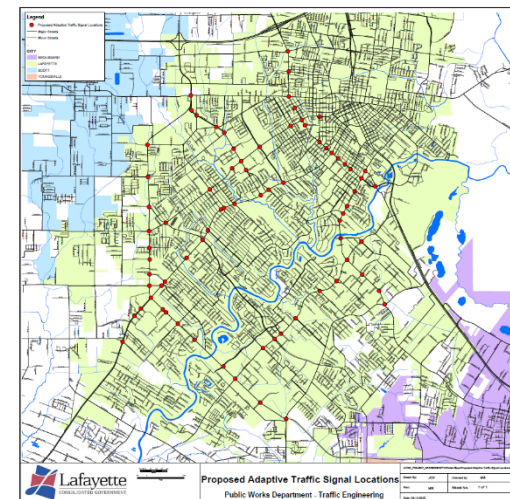
**Firm members involved include:** Bert Moore, Daniel Knott and Bud Smith.

**17. Firm Experience:**

<b>Gresham Smith</b>		<b>Discipline(s)*</b>   CE&I/OV and ITS	
<b>LADOTD, Traffic Engineering Retainer Contract TO#6: LCG Adaptive Traffic Signal</b>			<b>Firm responsibility (prime or sub?)</b> Prime
<b>Project number</b>	H.012018.5	<b>Owner's name</b>	Louisiana Department of Transportation and Development
<b>Project location</b>	Lafayette, Louisiana	<b>Owner's Project Manager</b>	Andre Fillastre, P.E.
<b>Owner's address, phone, email</b>	1201 Capitol Access Road, Baton Rouge, LA / 225.242.4646 / <a href="mailto:andre.fillastre@la.gov">andre.fillastre@la.gov</a>		
<b>Services commenced by this firm (mm/yy)</b>	10/18	<b>Total consultant contract cost (\$1,000's)</b>	\$813
<b>Services completed by this firm (mm/yy)</b>	05/24	<b>Cost of consultant services provided by this firm (\$1,000's)</b>	\$813

Gresham Smith was selected to upgrade all of the traffic signals in Lafayette, Louisiana and install Adaptive Traffic Signal Control (ATSC) along eight major corridors. This project included performing traffic signal inventories for all 190 traffic signals that are maintained by LCG. Once the inventories were performed, design plans were developed for traffic signal controller upgrades for all of the traffic signals to be upgraded from Trafficware 980 TS2 traffic signal controllers to Trafficware 980 ATC traffic signal controllers and the installation of a new emergency vehicle preemption system from Applied Information.

Of the 190 traffic signal locations, 78 intersections will have Synchro Green Adaptive Traffic Signal Control implemented into the project. Gresham Smith designed plans to upgrade the existing vehicle detection systems at these adaptive intersections to meet the needs of the new adaptive system. Gresham Smith performed a before study to measure the average travel times of the corridors without the Adaptive Traffic Signal Control. This data will serve as a baseline to measure the effect of the new system on travel times in Lafayette. As part of this Before Study, Gresham Smith was also able to deploy our MPATH system to measure the stress of the test drivers based on location. This information is incorporated into a GIS database that allows for easy map based visualization of stressful locations that could indicate near misses or other previously undiscoverable issues on the corridor.



Gresham Smith assisted with the implementation and integration of the adaptive system and the emergency vehicle preemption system. Gresham Smith has successfully completed the installation of other adaptive traffic signal systems in numerous states. Upon completion of this project, this will be the largest adaptive traffic signal system in Louisiana.

**Nature of firm's responsibility:** Prime Consultant; Overall responsibility for entire contract.

**Firm members involved include:** Bert Moore, Bud Smith and Daniel Knott

### Project Highlights

- Traffic Signal Inventories
- Traffic Signal Design Plans
- Implementation and Integration of Adaptive Traffic Signal System
- Before Travel Time Studies



## 18. Approach and Methodology:

The intersection of Sgt. Alfred Dr. (3<sup>rd</sup> St.) and Cleveland Ave. is a key junction in Slidell that accommodates vehicular, pedestrian, and bicyclist access to St. Tammany Junior High School and other adjacent areas, such as Veterans Memorial Park and the new tennis court facility. State Project No. H.014737.6 (Signal Upgrade: Sgt Alfred Dr @ Cleveland) will replace the existing wire mounted traffic signals with mast arm mounted traffic signals and install new crosswalks and pedestrian signals, which will improve traffic flow, decrease maintenance costs, and improve pedestrian and bicyclist safety. Horizon Engineering, LLC (Horizon) has already visited the project site and identified the following challenges that will need to be addressed during construction to deliver a successful project.

### 1. POTENTIAL CONFLICTS

The available space adjacent to the intersection for the new traffic signal foundations is extremely limited due to congestion of existing drainage, utilities, and other features (see Figure 1), such as:

- drainage pipes, catch basins at each corner, and drop inlets near the NW and SW corners
- waterlines, a fire hydrant near the NE corner, and a water meter near the SE corner
- Bell South fiber optic cables, a fiber optic pedestal at the SW corner, and fiber optic pedestals and handholes near the SW corner
- Cleco overhead power lines, power poles at the NW and SW corners and near the NE corner, and a service pole at the NE corner (the existing traffic signal wires are supported by the power pole at the SW corner and the service pole at the NE corner and the existing traffic signal controller box is attached to the service pole at the NE corner)
- street lights at the NW and SE corners
- trees and signs near each corner

Each of the existing subsurface features could potentially conflict with the new traffic signal

foundations. Horizon will ensure that the locations of existing subsurface utilities are clearly marked by Louisiana One Call and/or the Contractor prior to drilling traffic signal foundations. Horizon will also emphasize to the Contractor the importance of careful operation of equipment during drilling of traffic signal foundations to avoid damaging existing drainage and utilities. The existing overhead power lines present a potential electrical shock hazard that must be considered during drilling of traffic signal foundations and lifting of mast arms into position. Horizon will ensure that the Contractor coordinates with Cleco to deenergize or relocate overhead powerlines prior to operating equipment or lifting materials within 10 feet of the powerlines. Horizon will also verify that all potential hazards and safety concerns are reviewed during progress meetings and daily JSAs.



**Figure 1: Potential Conflicts (NW & SW)**

Additionally, the existing overhead powerlines could potentially conflict with the new traffic signal mast arms after installation (see Figure 2). Horizon will determine whether relocation of the existing powerlines is necessary, and if so, whether this has already been coordinated during the design phase. If relocations are necessary but have not yet been coordinated, Horizon will immediately coordinate with Cleco and the Contractor to ensure that relocations begin as quickly as possible to minimize the potential for delays to the project. The existing

traffic signals would likely need to be decommissioned prior to installation of the new traffic signals since they are connected to existing power poles/service poles. If the existing traffic signals cannot remain operational prior to installation of the new traffic signals, temporary traffic signals at ground level, temporary stop signs, or flaggers/police details will be required to maintain safety at the intersection. Due to the relatively low traffic volume, a temporary four-way stop is likely the most feasible and cost-effective temporary measure.



**Figure 2: Overhead Power Lines**

Lastly, the existing traffic signals are controlled by a small controller box attached to the service pole at the NE corner. The new traffic signals will likely require a larger controller box or cabinet with its own foundation. The final location of the new cabinet and foundation may need to be adjusted in the field to avoid conflicts with existing features.

### 2. COORDINATION

As a Local Public Agency (LPA) project, coordination with the City of Slidell, DOTD District 62, Contractor, Engineer of Record, and other affected stakeholders (e.g., St. Tammany Junior High School, residents, and utility companies) will be critical to ensure that all project team members are on the same page. Our Project Engineer (Brett Liuzza) and Lead Inspector (Jeff Puissegur) for this project have worked with the City of Slidell (Blaine Clancy and Christi Lambertson) and DOTD District



62 (Kevin Adams) on multiple recent DOTD LPA CE&I road projects, such as H.014315.6, Grafton Drive Pavement Rehabilitation, and H.014317.6, Carey St. Pavement Rehabilitation, and this familiarity will facilitate seamless coordination throughout the project. Additionally, our Lead Inspector worked on H.011775.6, US 11 & US 190 Bicycle and Ped Crossings, which was a similar DOTD intersection improvements project in Slidell involving installation of traffic signals (vehicular and pedestrian) and crosswalks. Our Project Engineer was born and raised in Slidell. He fully understands not only the project area but also the community's needs and concerns. We have a personal connection to our work and will be extremely invested in the success of this project. If requested, we can assist the City of Slidell with public outreach related to the project. Additionally, Horizon's office is only 30 minutes from the project site; therefore, we can quickly respond to the City of Slidell's needs. Coordination with St. Tammany Junior High School will be especially important to ensure that disruptions to school are minimized to the greatest extent possible. Horizon will immediately coordinate with the City of Slidell, Contractor, and applicable utility companies to identify any outages necessary to facilitate construction so that St. Tammany Junior High School can be notified as far in advance as possible. If possible, any necessary outages will be scheduled during weekends or holidays to minimize disruptions.

### 3. MAINTENANCE OF TRAFFIC

St. Tammany Junior High School is accessed through the intersection; therefore, a well-designed sequence of construction and temporary traffic control plan will be required to minimize disruptions to school. Night work may be necessary to permit full road closures and facilitate operation of equipment and installation of pavement markings; however, if the Contractor plans to temporarily close the intersection during night shifts, emergency services will need to be notified and/or provisions to open the road to emergency vehicles will need to be implemented.

Horizon will assist the Contractor and City of Slidell with notifying St. Tammany Junior High School, other nearby facilities, and impacted residents of the anticipated start date, duration, and impacts of the work and issuing timely lane/road closure notices. Horizon will also assist with continuous coordination with St. Tammany Junior High School to facilitate temporary access if possible and minimize disruptions to school drop off/pick up. Horizon will inspect the temporary traffic control signs and devices to ensure that they are correctly implemented, monitored, and maintained.

### 4. SCHEDULE

Due to the proximity of St. Tammany Junior High School, the work should ideally be performed when school is out. Based on the current projected letting date of June 2, 2025, the construction contract will likely be executed in September 2025. Depending on the Contractor's NTP date and how much of the 120-day assembly period (concurrent with construction) is required to obtain the traffic signal equipment, it may be possible to schedule the start of field work as soon as school lets out for winter break in December 2025 and finish major items before the start of the spring semester. This would be safer and minimize disruptions to vehicular, pedestrian, and bicyclist traffic, especially during school drop off/pick up.

### 5. MAST ARM ANCHORAGE

Out-of-plumb or mislocated mast arm anchors could lead to mast arm erection issues and costly rework. Horizon will ensure that the Contractor uses a template to accurately set the anchors in the foundation formwork and that they remain firmly in place during concrete placement. Horizon will also verify that the Contractor does not bend or damage the anchors when erecting the mast arms.

### 6. SIGNAL WIRING

Proper wiring and programming of the traffic signals is critical to their performance. Horizon's team includes experienced inspectors and ITS technicians that will inspect and test the traffic signal electrical

components to ensure that the traffic signals are operating as intended.

### STAFFING PLAN

Horizon's Project Engineer will direct a primary certified inspector for the project, with two ITS technicians and three backup uncertified inspectors also available if needed to assist with traffic signal electrical inspections and accommodate the Contractor's manpower allocation, construction schedule, work hours, and other similar factors. He will remain in constant contact with the inspector(s) and ITS technician(s) and always be available to visit the site if needed. Horizon's Primary Inspector, Jeff Puissegur, is certified by DOTD in Embankment and Base Course, PCC Paving, and HMA (Asphalt Concrete) Paving, and has worked with Brett Liuzza on many recent DOTD LPA CE&I road projects, including multiple projects for the City of Slidell.

### CE&I SCOPE OF WORK

Horizon fully understands the scope of work and will complete all 23 tasks listed in Attachment A of the Advertisement in accordance with project specific requirements, such as the Specifications and Sampling Plan, and applicable DOTD standards, procedures, and requirements, such as Consultant Contract Services Manual, Local Public Agencies Manual, Construction Contract Administration Manual, Materials Sampling Manual, Testing Procedures Manual, Quality Assurance Manuals, and EDSMs. Horizon will implement the following approach and methodology, which highlights the major tasks required but is not all-inclusive, to complete the project safely, correctly, on time, and in accordance with City of Slidell and DOTD's requirements:

### PRE-CONSTRUCTION PHASE

- **Submit QA/QC Plan:** Submit Horizon's QA/QC plan to City of Slidell and DOTD.
- **HeadLight and SiteManager Access:** Set up access to HeadLight and SiteManager for all engineers and inspectors. All inspectors will be equipped with an iPad and laptop with cellular

data for field access to HeadLight and SiteManager, respectively.

- **Document Review:** Review the Construction Contract, Plans, Specifications, Sampling Plan, permits, and other applicable specifications, standards, manuals, testing procedures, and EDSMs.
- **Project Set-Up Meeting:** Meet with City of Slidell's Responsible Charge and Project Manager and DOTD's Project Coordinator and District 62 Lab Engineer to review roles, responsibilities, and expectations; Entity-State Agreement and Construction Contract; compliance goals; Construction Contract Administration Manual; HeadLight and SiteManager; Sampling Plan and QA/QC materials testing requirements; preconstruction conference schedule and agenda; progress schedule review procedure; inspection requirements; final audit checklist; partial estimates and change orders; and Notice to Proceed requirements.
- **Preconstruction Conference:** Meet with City of Slidell's Responsible Charge and Project Manager; DOTD's Project Coordinator, Compliance Office, District 62 Utility Specialist, and District 62 Lab Engineer; FHWA; Engineer of Record; Contractor and subcontractors; utility companies; and other pertinent stakeholders in accordance with DOTD EDSM III.1.1.7. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees.

### CONSTRUCTION PHASE

- **General Inspection:** Continuously inspect construction operations to ensure that work is completed using approved materials in accordance with the Plans, Specifications, and change orders/field changes (if applicable).
- **TTC Inspection:** Inspect temporary traffic control signs and devices for conformance with the approved Traffic Control Plan (TCP), DOTD Standard Plans, and MUTCD.
- **Erosion Control Inspection:** Inspect erosion control devices for conformance with DOTD Standard Plans.

- **Prefabricated Materials Inspection:** Inspect prefabricated materials, such as traffic signal equipment and electrical components, for any damage occurring during transportation.
- **Inspection Documentation:** All inspection observations, including photos and notes, will be recorded using HeadLight and uploaded to SiteManager in accordance with DOTD procedures. Any deficiencies and associated corrections made by the Contractor will be documented.
- **Materials Sampling and Testing:** Obtain material samples in accordance with the Sampling Plan, Materials Sampling Manual, and pertinent Quality Assurance Manuals. Log all samples, material tickets, and reports into HeadLight and SiteManager as applicable and submit samples to the DOTD District 62 Testing Laboratory for testing. Horizon has access to a qualified, third-party independent testing laboratory. If requested by DOTD, our testing laboratory will test samples in accordance with applicable DOTD testing procedures and as required by the Specifications.
- **Daily Work Records (DWRs):** Prepare detailed DWRs, including on non-working days, describing the Contractor's personnel and equipment; Horizon's personnel; completed tasks/quantities, accepted work, and nonconforming work; condition of TTC signs and devices and erosion control devices; material tickets, samples obtained, field tests performed, and field test results; utility conflicts; charging of Contract Time and weather conditions; safety violations; and significant out of the ordinary events (e.g., accidents). The Contractor will be immediately notified of any safety violations or nonconforming work. Depending on the severity of any safety violations, work will be shut down immediately to avoid further danger to the public or property damage. All DWRs will be prepared using HeadLight and uploaded to SiteManager.
- **Clarifications of Plans and Specifications:** Verify that the Contractor has a current set of

Plans and Specifications with all relevant addenda, RFIs, submittals, change orders, and other supplemental guidance. Assist the Contractor with the interpretation of the Plans and Specifications and notify the Contractor immediately of nonconforming work.

- **Permit Compliance:** Maintain copies of all permits on the project site and review the Contractor's operations for conformance with such permits.
- **Utility Relocations:** Coordinate the relocation of utilities that conflict with the work with the Contractor, respective utility company, and City of Slidell.
- **Coordination:** Continuously coordinate with stakeholders, including the preconstruction conference attendees. Meet with City of Slidell and DOTD when requested at their offices or on the project site. Coordinate with the Contractor to distribute lane/road closure notifications to local media outlets upon approval by City of Slidell.
- **Monthly Progress Reports:** Prepare monthly progress reports describing the construction progress to date, Contract Time elapsed, and the number and value of approved change orders.
- **Bi-Weekly Progress Meetings:** Meet with project team members, including the preconstruction conference attendees as applicable. Prepare agenda and meeting minutes and distribute meeting minutes to all attendees within five (5) days of the applicable progress meeting.
- **Requests for Information (RFIs) and Submittals:** Review RFIs and submittals and forward them to other parties, such as City of Slidell and the Engineer of Record, for input if necessary. Maintain logs of all RFIs and submittals with information such as the date submitted, number, description, status, and date resolved (if applicable).
- **Email Correspondence:** Coordinate with other parties to prepare email distribution lists for different aspects of the work. Horizon will be included on all email distribution lists to allow for

all email correspondence to be logged into the official project record for future access by DOTD.

- **Testing Reports:** Review all testing reports and evaluate the conformance of materials to the Plans and Specifications. Testing reports, as well as notices of nonconformance if necessary, will be distributed to all relevant parties.
- **Notices of Nonconformance:** Identify work that does not conform with the Plans and/or Specifications and notify City of Slidell. Prepare and distribute notices of nonconformance and monitor remediation efforts to ensure that nonconforming work is repaired or replaced to the satisfaction of City of Slidell.
- **Baseline and Progress Schedules:** Review the Contractor's baseline schedule for conformance to the Specifications and feasibility. Review the Contractor's progress schedules to determine if they accurately reflect the work progress and identify potential delays to construction due to the sequence of the work or inadequate progress on critical path items.
- **Monthly Pay Estimates:** Verify all completed quantities, including the dates of completion. Review monthly pay estimates for conformance with the Specifications and consistency with the actual work correctly completed. Horizon's Project Engineer and inspector(s) will review completed quantities and their applicable specification provisions as part of continuous coordination between the office and field to ensure proper payment for completed work.

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

### POST-CONSTRUCTION PHASE

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

- **Final Acceptance:** Upon correct completion of punchlist work, issue final acceptance in consultation with City of Slidell and DOTD and in accordance with EDSM III.5.1.5.
- **As-Built Plans:** Prepare as-built plans using 746-12 Tuscan red pencil on plan sheets, noting modifications from the original plans incorporated via change order or field change.
- **Contract Materials Audit Report (2059):** Prepare Contract Materials Audit Report (2059), including summary report from SiteManager Materials, Sampling Plan, Errors and Omissions Report, Disposition of Failing Samples, Job Mix Formulas/Concrete Mix Designs (including lot percentage pay data and cores/cylinders report) as applicable, Independent Assurance Sampling and Testing report as applicable, Reinforcing Steel Bar Data as applicable, and Striping Reflectivity Test Report as applicable. Address any failed tests by indicating reasons that affected materials are acceptable (e.g., additional testing performed, change order issued, etc.).
- **Final Estimate Package:** Within 30 days of final acceptance, prepare the final estimate package and submit to DOTD's Construction Audit Section, including the schedule of work items; recap of weather and working days; all field observations/notes and DWRs; as-built plans; all project correspondence (in and out); construction layout; Contract Materials Audit Report (2059); change orders; final acceptance letter; traffic control log; and transmittal sheet.

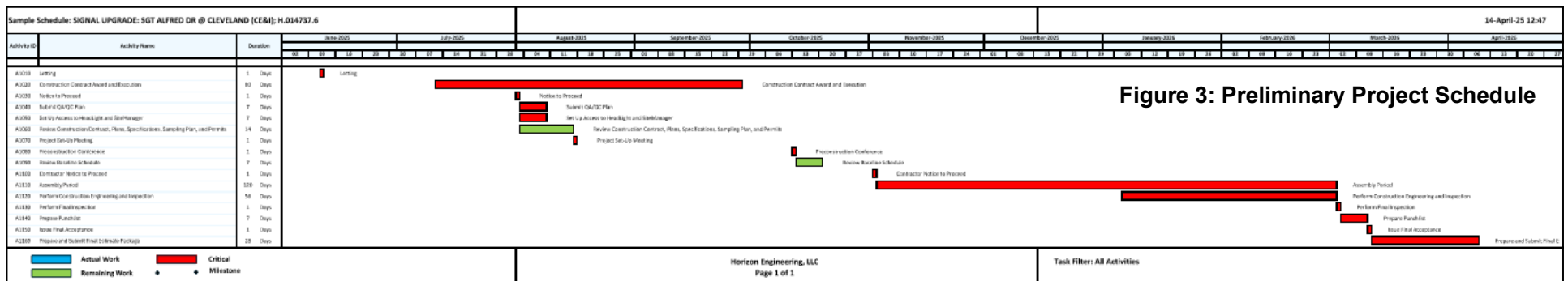


Figure 3: Preliminary Project Schedule

**19. Workload:**

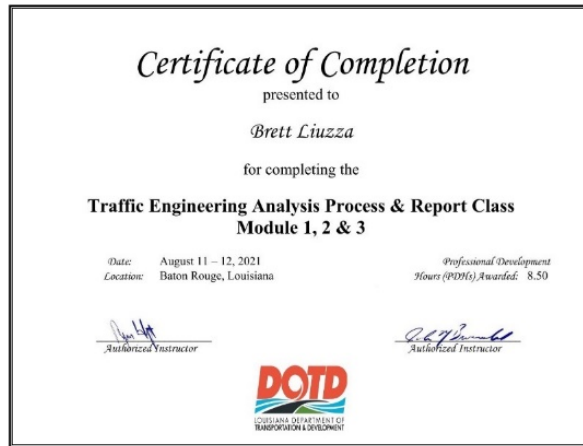
Firm(s) <b>ALL FIRMS</b> MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Horizon Engineering, LLC	CE&I/OV	Contract No. 4400029428 S. P. No. H.014049.6	St. Bernard Pedestrian Improvements (CE&I)	\$106,040
	CE&I/OV	Contract No. 4400029661 S. P. No. H.012868.6	Fortune Road Pavement Preservation (CE&I)	\$92,626
Gresham Smith	Road	44-19871; H.013073.5	LRSP/STRPPP Greenwells Springs & Wooddale Sidewalks	\$7,033
	Traffic	44-19871; H.015086.5	LRSP/STRPPP LA 14	\$1,690
	Road	44-19871; H.013714.5	LRSP/STRPPP Valhi Boulevard Shared Use Path Signing and Striping	\$6,912
	Traffic	44-198771; H.015201	LRSP/STRPPP Richwood Traffic Study	\$87,761
	Road	44-21326; H.010074.1	Stage 0 Lafourche Bayou Bridge (HBI)	\$67,473
	Traffic	44-25298; H.013388.5	Lafourche Flashing Yellow Arrow Traffic Signal Upgrade	\$278,886
	Traffic	44-25298; H.016007.1	Traffic Signal Comm SEA	\$131,278
	Traffic	44-25298; H.016039.5	LA 47: LA46 - Virtue St	\$253,113
	Traffic	44-26911; H.014629.5	LRSP/STRPPP TO #1 Lafourche Design	\$31,087
	Traffic	44-26911; H.013718.5	LRSP/STRPPP TO #3 LA 23 Gretna	\$189,315
	Traffic	44-26911; H.013713.5	LRSP/STRPPP TO #4 LA 60 Bogalusa	\$111,674
	Traffic	44-26911; H.015198.5	LRSP/STRPPP TO #5 S. Carrollton)	\$21,886
	Road	44-26911; H.016080.5	LRSP/STRPPP TO #6 US 190	\$4,000
	Road	44-26911; H.016089	LRSP/STRPPP TO #7 Orice, Sandra & Darby	\$11,500
	Road	44-26911; H.016078.5	LRSP/STRPPP TO #8 Highland / Dalrymp	\$6,500
	Road	44-26911; H.016083.5	LRSP/STRPPP TO #9 W. Worthey	\$4,000
	Road	44-26911; H.015202.5	LRSP/STRPPP TO #10 Donaldsville	\$166,194
	Road	44-27210; H.012859.5	Roundabout at Valhi Blvd	\$255,797
	Other (Program	44-27186; H.015959.1	Discretionary Grant Administration	\$1,469,102
	Road	44-27181; H.016012	Transportation Alternative Program TO #1	\$49,389
	Road	44-26912; H.014640	LRSP/STRPPP TO #1 St. Mary Parish	\$19,233
	Road	44-26912; H.015203.5	LRSP/STRPPP TO #2 Pinhook	\$88,442
	Road	44-26912; H.016007.5	LRSP/STRPPP TO #6 Date St	\$5,000
	Road	44-26912; H.016189.5	LRSP/STRPPP TO #7 LA 31	\$6,300

Firm(s) <b><u>ALL FIRMS</u></b> MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Gresham Smith	CE&I/OV	44-24424; H.013256.6	I-10 Scott to Lake Charles ITS CEI	\$1,873



## 20. Certifications/Licenses:

**Brett Liuzza, PE**

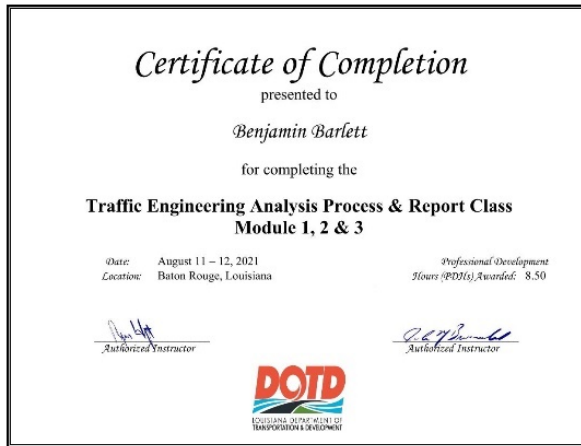


**HORIZON ENGINEERING, LLC**



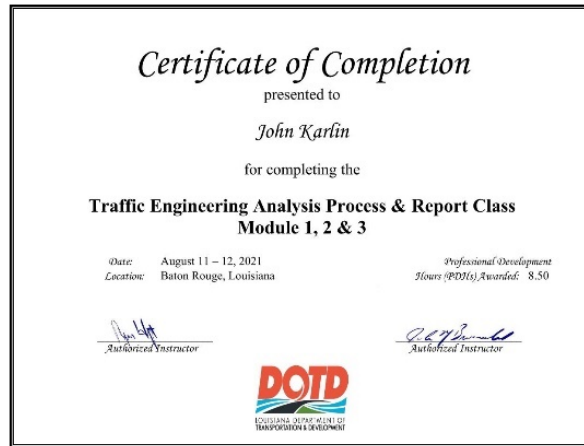
## 20. Certifications/Licenses:

### Ben Bartlett, PE, PTOE



## 20. Certifications/Licenses:

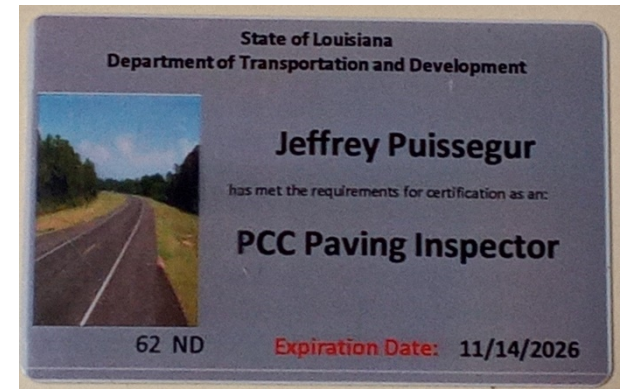
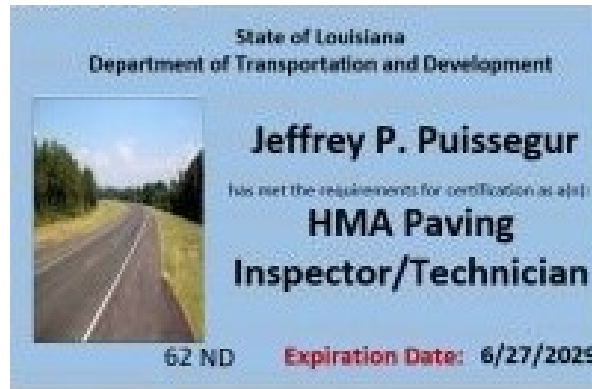
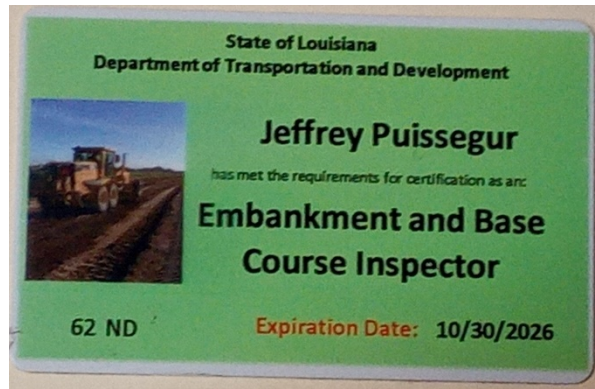
**John Karlin, SE, PE**



**HORIZON ENGINEERING, LLC**

20. Certifications/Licenses:

Jeff Puissegur



20. Certifications/Licenses:

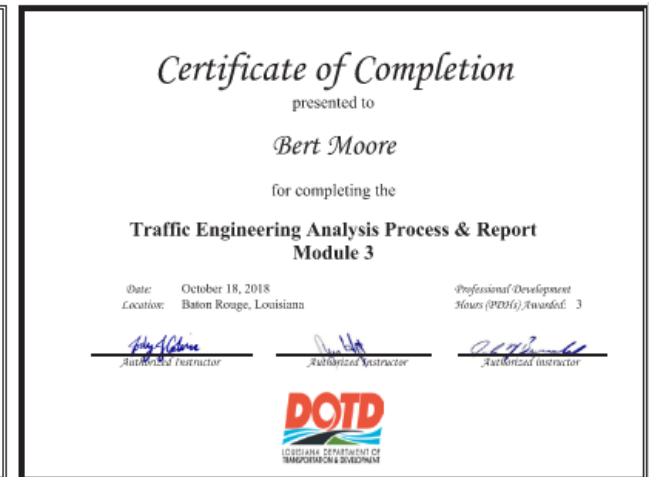
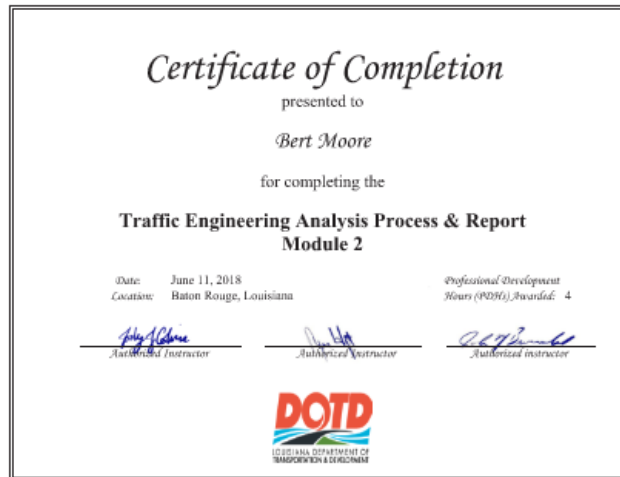
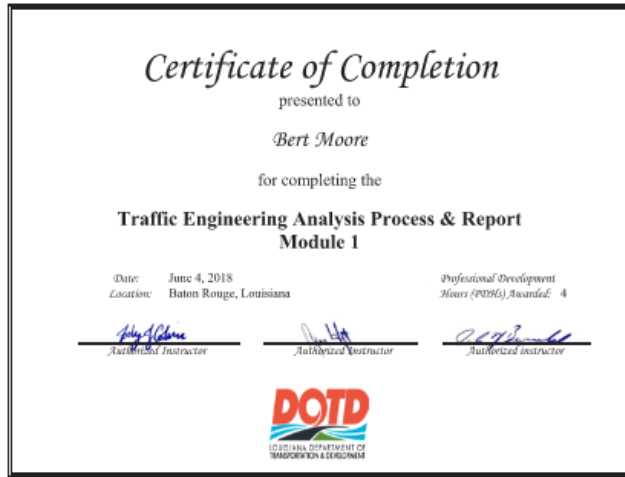
**Keith Schulz**





## 20. Certifications/Licenses:

### Bert Moore, II, PE, PLS, PTOE



## 20. Certifications/Licenses:

### Bert Moore, II, PE, PLS, PTOE (Continued)



April 6, 2016

Mr. Bert Moore  
Gresham Smith and Partners  
10,000 Perkins Rowe  
Suite 280  
Baton Rouge, LA 70810

Subject: Trafficware Certification

Mr. Bert Moore,

Congratulations on your successful completion of Trafficware University certification requirements in our hardware, traffic management software, and traffic analysis/optimization software.

Please retain this letter to serve as an official document certifying that Mr. Bert Moore is fully certified in the operation and maintenance of all products manufactured and distributed by Trafficware Group, Inc.

Sincerely,





20. Certifications/Licenses:

Daniel Knott



## 20. Certifications/Licenses:

## Daniel Knott (Continued)



20. Certifications/Licenses:

William “Bud” Smith



HORIZON ENGINEERING, LLC

## 20. Certifications/Licenses:

### Firm Registrations with Louisiana Secretary of State



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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**

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

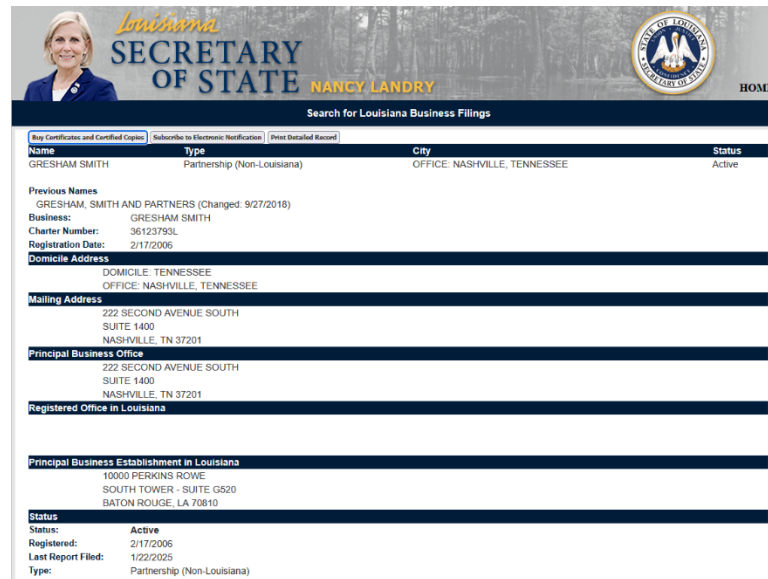
**Mailing Address**

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

**Status**

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

#### Horizon Engineering, LLC



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Name	Type	City	Status
GRESHAM SMITH	Partnership (Non-Louisiana)	OFFICE: NASHVILLE, TENNESSEE	Active

**Previous Names**

GRESHAM, SMITH AND PARTNERS (Changed: 9/27/2018)

Business: GRESHAM SMITH  
 Charter Number: 36123793L  
 Registration Date: 2/17/2006

**Domicile Address**

DOMICILE: TENNESSEE  
 OFFICE: NASHVILLE, TENNESSEE

**Mailing Address**

222 SECOND AVENUE SOUTH  
 SUITE 1400  
 NASHVILLE, TN 37201

**Principal Business Office**

222 SECOND AVENUE SOUTH  
 SUITE 1400  
 NASHVILLE, TN 37201

**Registered Office in Louisiana**

10000 PERKINS ROWE  
 SOUTH TOWER - SUITE G620  
 BATON ROUGE, LA 70810

**Status**

Status: Active  
 Registered: 2/17/2006  
 Last Report Filed: 1/22/2025  
 Type: Partnership (Non-Louisiana)

#### Gresham Smith

HORIZON ENGINEERING, LLC

**21. QA/QC Plan:**

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

**22. Sub-consultant information:**

<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>
Gresham Smith	10000 Perkins Rowe South Tower – Suite G520 Baton Rouge, LA 70810	Herbert “Bert” Moore, II <a href="mailto:bert.moore@greshamsmith.com">bert.moore@greshamsmith.com</a>	(225) 757-5849



**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.**