

Statement of Qualifications for:

**Professional Electrical Engineering  
Services**

**SOQ: 24-026  
RESOLUTION NO.: 144425**

Submitted to:

**The Parish of Jefferson, Louisiana**

September 6, 2024

September 6, 2024

Jefferson Parish Department of Public Works  
General Government Building  
200 Derbigny Street  
Suite 4400  
Gretna, LA 70054

**Reference: SOQ 24-026 / Resolution No. 144425**  
**Professional Electrical Engineering Services**

Dear Evaluation Committee:

Buchart Horn, Inc. (BH) is very interested in performing the work to support Jefferson Parish through the referenced contract. Based upon our multi-discipline electrical engineering expertise, similar project experience, and holder of other Jefferson Parish as-needed/on-call contracts; we have a proven record of meeting the needs of the Parish and the surrounding Louisiana communities.

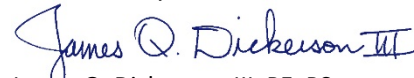
BH proposes Sherry L. Wolfe, PE as our Project Manager. Ms. Wolfe is an experienced Project Manager who has extensive knowledge of DOTD, local standards, and practices gained from direct experience in the field of electrical engineering. She possesses over 43 years of experience in electrical engineering, including highway and facility lighting design, project management, field commissioning, and construction support services.

The work associated with this project will be performed out of our Metairie, LA office ***located within Jefferson Parish*** at 3500 North Causeway Boulevard, Suite 1518. Consistent with similar projects of this nature BH can supplement this staff with technical expertise from any one of our offices and our company-wide base of over 170 employees.

We look forward to continuing our successful relationship with Jefferson Parish. Please contact Ms. Sherry Wolfe at (717) 852-1432 or [swolfe@bucharthorn.com](mailto:swolfe@bucharthorn.com) if you have questions or need additional information regarding this SOQ.

Sincerely,

**Buchart Horn, Inc.**



James Q. Dickerson, III, PE, PS  
Vice President



## TEC QUESTIONNAIRE

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

Professional Electrical Engineering Services  
SOQ No. 24-026 / Resolution No. 144425

**B. Firm Name & Address:**

Buchart Horn, Inc.  
Executive Tower  
3500 N. Causeway Blvd.  
Suite 1518  
Metairie, LA 70002

**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

James Q. Dickerson, III, PE, PS  
Vice President  
(662) 267-5038  
jdickerson@bucharthorn.com  
LA PE.0038922

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

Sherry L. Wolfe, PE  
Associate Vice President  
swolfe@bucharthorn.com  
(717) 852-1432  
LA PE.00386478

**E. Please provide the number of employees whose primary function corresponds with each category:**

<u>0</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>0</u> Geologists	<u>0</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>4</u> Civil Engineers	<u>0</u> Interior Designers	<u>0</u> Project Managers
<u>0</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>0</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>3</u> Electrical Engineers	<u>0</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>4</u> Engineer Intern	<u>0</u> Environmental Engineers	<u>1</u> Other - Civil Project Designer
<u>0</u> Professional Land Surveyors		<u>12</u> <b>TOTAL</b>

**F. Is this submittal by a JOINT-VENTURE? Please check: YES ☐ NO ☒**

**If marked "No" skip to Section I. If marked "yes" complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.  
N/A

2.

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
YES ☐ NO ☐

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

14 \_\_\_\_\_

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

James (Jimmy) Q. Dickerson III, PE, PS  
Vice President

**Project Assignment:**

Principal-In-Charge  
Mr. Dickerson meets Minimum Requirement for Selection #1 - One Principal who is a professional engineer who shall be registered as such in Louisiana.

**Name of Firm with which associated:**

Buchart Horn, Inc.

**Years' experience with this Firm:**

17 Years

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 1974 / Civil Engineering

**Active registration: Year first registered/discipline:**

2014 / Professional Engineer / LA (PE.0038922)  
Mr. Dickerson also holds a Professional Engineering license in MS (1979), and a Professional Surveyor license in MS (1984).

**Other experience and qualifications relevant to the proposed Project:**

As Vice President of Buchart Horn, Inc., Mr. Dickerson has the authority to commit the full resources of the firm as necessary to successfully complete any project. He will secure additional resources your project requires when the Project Manager requests those resources, or if you should request those additional resources to meet agreed upon performance goals. As the Principal-in-Charge on this contract, Mr. Dickerson will meet regularly with the Project Manager to monitor the schedules and budgets of task order projects. In addition, he will review project performance reports prepared by the QA/QC Officer and coordinate with the Project Manager and QA/QC Officer action to be taken to maintain excellent performance standards.

Please see his expanded resume within the Resumes section of this proposal.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Sherry L. Wolfe, PE Associate Vice President
<b>Project Assignment:</b>
Project Manager and Electrical Engineer Ms. Wolfe meets the Minimum Requirement for Selection #2: A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
17 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Professional Studies / 2013 / Engineering Management Bachelor of Science / 1987 / Electrical Engineering Technology
<b>Active registration: Year first registered/discipline:</b>
2013 / Professional Engineer / LA (PE.0038478) Ms. Wolfe also holds Professional Engineering licenses in PA (1998), MD (2006), VA (2006), NJ (2008), WV (2008), GA (2008), DC (2008), and NC (2016).
<b>Other experience and qualifications relevant to the proposed Project:</b>
Ms. Wolfe has over 43 years of experience in industrial and facilities electrical engineering, including highway and facility lighting design; medium- and low-voltage power distribution and electrical service design; emergency power generation; co-generation design; instrumentation; process control; wireless telemetry; special systems design; load flow; Power System Studies (load flow analysis, fault current coordination, and ArcFlash studies); project management; field commissioning; construction support services; and management of personnel.  Please see her expanded resume within the Resumes section of this proposal.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Kevin J. Gaspard, PE Senior Civil Engineer - Transportation
<b>Project Assignment:</b>
Civil/Transportation Engineer Mr. Gaspard meets Minimum Requirement for Selection #3 - One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
4 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1984 / Civil Engineering Master of Business Administration / 2023 / Business Administration
<b>Active registration: Year first registered/discipline:</b>
1990 / Professional Engineer / LA (PE.0023835)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Gaspard is a Senior Transportation Engineer who joined BH's Baton Rouge team in 2020 after retiring from LADOTD. While at LADOTD, he worked in the Road Design section for nine years as a design team leader and 24 years as the Pavement and Geotechnical manager at the Louisiana Transportation Research Center. He has over 60 publications in International Journals. Mr. Gaspard has over 40 years of engineering experience and is a highly skilled Project Manager including management of roadway lighting projects.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Caldwell (Cal) P. Joy, PE Senior Transportation Engineer
<b>Project Assignment:</b>
Civil/Transportation Engineer Mr. Joy meets Minimum Requirement for Selection #3 - One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
3 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2012 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2019 / Professional Engineer / LA (PE.0043830)
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Joy has 12 years of experience in the field of civil engineering. Design projects he has worked on include roadway lighting, roadway rehabilitation, new construction, widening, sidewalk design, signal design, standard intersection, and roundabout design for state highways and local roads. He is primarily responsible for design plan preparation and detailing, typical section development, design quantity calculations, and cost estimation, which require extensive use of MicroStation and InRoads.  Please see his expanded resume within the Resumes section of this proposal.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Joseph F. Mingo, PE Project Engineer
<b>Project Assignment:</b>
Civil/Transportation Engineer Mr. Mingo meets Minimum Requirement for Selection #3 - One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project.
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
10 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2014 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2019 / Professional Engineer / LA (PE.0043700)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Mingo has more than 10 years of experience working on projects related to road design. He has worked on roadway rehabilitation, widening, roundabout, and lighting design projects. His primary responsibilities include design development, design plan preparation and detailing, design quantity calculations, and cost estimation. These duties require extensive knowledge and use of MicroStation and InRoads design software.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Stephen R. Moore, PE Senior Electrical Engineer
<b>Project Assignment:</b>
Electrical Designer
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
9 Years
<b>Education: Degree(s)/Year/Specialization:</b>
N/A Degree Engineering Studies
<b>Active registration: Year first registered/discipline:</b>
2004 / Professional Engineer / PA
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Moore has 37 years of diverse experience in the field of electrical engineering. He is responsible for managing projects and designs. His abilities include all phases of electrical engineering from conceptual design to the development of construction documents and construction administration. Mr. Moore's experience includes the design of electrical, telecommunications, control and instrumentation systems, cost estimating, system analysis, energy studies, and feasibility/constructability studies.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Casey L. Miller, PE Electrical Engineer
<b>Project Assignment:</b>
Electrical Designer
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
14 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2010 / Electronics and Computer Engineering Technology
<b>Active registration: Year first registered/discipline:</b>
2021 / Professional Engineer / DE Mr. Miller also holds Professional Engineering licenses in PA (2022), NJ (2024), and MD (2023).
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Miller has more than 14 years of experience in electrical engineering. He is responsible for designing complete electrical projects in the Water/Wastewater, Facilities, and Transportation fields. Along with designing, he provides modeling using Revit, drafting, electrical specification writing, electrical design, and construction services.</p> <p>He specializes in low voltage power distribution, power system analysis, lighting (including roadway, interior, exterior, and emergency), network and communication systems, process control and SCADA systems, and instrumentation.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
David M. Britner Civil Project Designer
<b>Project Assignment:</b>
Electrical Design Support
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
15 Years
<b>Education: Degree(s)/Year/Specialization:</b>
N/A Degree
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Britner has 30 years of experience in civil design as a CADD Technician. His civil experience includes highway plans (LADOTD), city streets, drainage, geometric details, signing/stripping, quantities for earthwork, summary tables, and quantities estimates. He has also prepared clearing/grubbing plans, sanitary sewer designs, waste water treatment plants, sewer pumping stations, and drainage basins. Mr. Britner also has three years of experience as a GIS Analyst. During that time, he was responsible for the overall supervision and coordination of data input and output. Mr. Britner has extensive experience with ESRI software, Arc/Info 8.1, Arc/View 8.1.2, and ArcMAP 10.2. He has also been responsible for GPS data, inventory, map-making, data input, database records, and overall quality assurance for projects. Mr. Britner has been performing and preparing design plans for the lighting projects for the LADOTD and ensuring the plans are uploaded into the LADOTD ProjectWise web site.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Hugo A. Leiva, EI Civil Engineer-in-Training
<b>Project Assignment:</b>
Electrical Design Support
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
3.5 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2018 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
2019 / Engineering Intern / LA (EI.0034035)
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Leiva is a Civil Engineer-in-Training who joined BH's Baton Rouge team in 2020. During his time with BH he has gained experience by supporting multiple LADOTD On-Call Contracts, including two <b>Electrical Engineering retainers</b> and a Safety Studies retainer. Mr. Leiva is also supporting the Move Ascension Roadway Design Services retainer along with multiple other Louisiana projects and studies to acclimate himself to LA roadway specifications and designs. Mr. Leiva will obtain his Professional Engineering License in Civil Engineering in September 2024.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Tyler E. Bos, EIT Electrical Engineer-in-Training
<b>Project Assignment:</b>
Electrical Design Support
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
2 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2020 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
2022 / Engineer-in-Training / PA 2024 / Engineering Intern / LA
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Bos is a Civil Engineer-in-Training who joined BH's team in 2022. To date he has supported Transportation, Water/Wastewater, and Facilities projects. Transportation experience has been gained through the following projects:</p> <ul style="list-style-type: none"><li>- New I-20 Overpass over LA 544 Lighting Design, LADOTD, Ruston, LA.</li><li>- New Lighting Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.</li><li>- I-110 at Terrace Avenue Ramp Modification Construction Services, LADOTD, Baton Rouge, LA.</li><li>- Rehabilitation of Blue Mountain and Kittatinny Tunnels, PA Turnpike Commission, Franklin County, PA.</li></ul> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Brandon S. Barnville Electrical Engineer-in-Training
<b>Project Assignment:</b>
Electrical Design Support
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
.5 Years
<b>Education: Degree(s)/Year/Specialization:</b>
Master of Science / 2024 / Electrical Engineering Bachelor of Science / 2018 / Physics
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
Mr. Barnville recently attained a Master of Electrical Engineering degree and is diligently working towards becoming a licensed Electrical Engineer-in-Training. He has been assigned to an Electrical Design Support role, where he aims to gain valuable experience in the electrical engineering field. His project work to date exemplifies his commitment to excellence and innovation in electrical engineering.  Please see his expanded resume within the Resumes section of this proposal.

## TEC Professional Services Questionnaire

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>
<b>Name &amp; Title:</b>
Olivia Goebel Electrical Engineer - Intern
<b>Project Assignment:</b>
Electrical Design Support
<b>Name of Firm with which associated:</b>
Buchart Horn, Inc.
<b>Years' experience with this Firm:</b>
.5 Years
<b>Education: Degree(s)/Year/Specialization:</b>
N/A - Graduation: May, 2025 - Bachelor of Science/Engineering
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Ms. Goebel is a highly capable Electrical Engineer - Intern currently studying for a bachelor's degree in engineering, with a focus in electrical engineering. She is growing her skill-sets and gaining valuable experience by providing electrical design support on multiple Architectural, Transportation, and Water Resource projects. Her affiliation with professional organizations such as the Society of Women Engineers has strengthened her motivations to become a licensed professional engineer.</p> <p>Please see her expanded resume within the Resumes section of this proposal.</p>

## TEC Professional Services Questionnaire

**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Park Boulevard Suite 802 Jefferson, LA 70123 (504) 736-6500</p>	<p>Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic.</p> <p>Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
November, 2023 (Actual)	\$530,000 (Estimated)	\$42,171

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>MacArthur Interchange Completion PH. II, New Lighting Design, LADOTD, Jefferson Parish, LA.</p> <p>LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232</p>	<p>Highway lighting design including plans, construction estimate, photometric, and engineering calculations for a complete preliminary lighting system over the project limits of the Eastbound lanes of US 90Z along with the off and on ramps defined by the project including all interchanges and interfacing with remaining existing lighting beyond the ends of the project. Additionally the Jefferson Parish Sheriff office (JPSO) Helipad on the North side of the Expressway will be evaluated with regards to the existing lighting.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June, 2024 (Actual)	\$230,000	\$230,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>								
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>							
<p>Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.</p> <p>Gulf Engineers &amp; Consultants 3445 North Causeway Boulevard Suite 707 Metairie, LA 70002 (504) 838-6009</p>	<p>The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities.</p> <p>As a subconsultant to GEC, Buchart Horn was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. A construction cost estimate was prepared and BH also provided construction administration services. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team.</p> <p>A construction cost estimate was prepared and BH also provided construction administration services.</p> <p>The project utilized state funding, therefore Buchart Horn was required to complete the analysis and design per LADOTD standards and guidelines in order to receive their review and approval.</p>							
<b>Completion Date (Actual or estimated)</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;"><b>Estimated Cost:</b></th> </tr> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">March, 2025 (Estimated)</td> <td style="width: 50%; padding: 5px; vertical-align: top;"> <div style="display: flex; justify-content: space-between;"> <span>\$1,500,000 (Estimated)</span> <span>\$73,556</span> </div> </td> </tr> </tbody> </table>		<b>Estimated Cost:</b>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	March, 2025 (Estimated)	<div style="display: flex; justify-content: space-between;"> <span>\$1,500,000 (Estimated)</span> <span>\$73,556</span> </div>
<b>Estimated Cost:</b>								
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>							
March, 2025 (Estimated)	<div style="display: flex; justify-content: space-between;"> <span>\$1,500,000 (Estimated)</span> <span>\$73,556</span> </div>							

<b>PROJECT NO. 4</b>								
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>							
<p>I-110 at Terrace Avenue Ramp Modification Design and Construction Services, LADOTD, Baton Rouge, LA.</p> <p>LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232</p>	<p>BH designed street lighting associated with the construction of a new off-ramp from I-110 in Baton Rouge intended to minimize traffic congestion from the Mississippi River Bridge eastbound to I-10 at the Washington Street Exit. BH is now providing construction administration services for the portion of the project designed by us. Services to be performed by BH include review contractor electrical submittals, attending periodic meetings, providing electrical as built plans and O&amp;M manual, and providing an Arc-flash report. DOTD will provide inspection services for the ramp reconstruction and improvements.</p>							
<b>Completion Date (Actual or estimated):</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; padding: 5px;"><b>Estimated Cost:</b></th> </tr> <tr> <th style="width: 50%; padding: 5px;"><b>Entire Project:</b></th> <th style="width: 50%; padding: 5px;"><b>Work for which Firm was Responsible:</b></th> </tr> </thead> <tbody> <tr> <td style="width: 50%; padding: 5px; vertical-align: top;">June, 2022 (Actual)</td> <td style="width: 50%; padding: 5px; vertical-align: top;"> <div style="display: flex; justify-content: space-between;"> <span>\$347,499</span> <span>\$265,499</span> </div> </td> </tr> </tbody> </table>		<b>Estimated Cost:</b>		<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	June, 2022 (Actual)	<div style="display: flex; justify-content: space-between;"> <span>\$347,499</span> <span>\$265,499</span> </div>
<b>Estimated Cost:</b>								
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>							
June, 2022 (Actual)	<div style="display: flex; justify-content: space-between;"> <span>\$347,499</span> <span>\$265,499</span> </div>							

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
Interchange Lighting Improvements Design and Construction Management Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.  LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	BH designed a complete lighting system over the entire length of the I-55 at LA 22 interchange. Services included plans, foundation design of high mast lighting, specifications and special provisions, construction estimates, illumination analysis, and engineering calculations. BH responded to RFIs during the bidding phase and assisted with review of lighting submittals during construction. This project evaluated the use of 3000k LED high mast lights and was one of the first in the state to be installed. Included in the LED lighting is a networking smart system which will allow the lights to be monitored from a base station.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June, 2022 (Actual)	\$245,000	\$200,000

<b>PROJECT NO. 6</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
I-20 - LA 544 Overpass Replacement and New Lighting Design, LADOTD, Lincoln Parish, LA.  LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system at the intersection of I-20 and LA 544 in Ruston, Louisiana.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June, 2024 (Actual)	TBD	\$259,323 (Design)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
New Lighting Design and Construction Services, US 165 Roadway, LADOTD, Richland, LA.  LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	BH provided surveying, Subsurface Utility Engineering (SUE) services, prepared design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project were being conducted and completed based on LADOTD standards and guidelines.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
August, 2024 (Actual)	\$785,561	\$785,561

<b>PROJECT NO. 8</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.  LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. BH is currently in the process of developing final construction documents for lighting upgrades to this complex stretch of highway adjacent to LADOTD headquarters per LADOTD's new roadway design. The Design includes various levels for the roadway, associated on and off ramps, overpasses, and access roads. 60% final plans and photometric report have been completed and we are currently progressing toward 95% final plans with a let date near the end of 2023.	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
December, 2023 (Actual)	\$432,000	\$432,000

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.</p> <p>Ascension Parish 4207 Churchpoint Road Gonzales, LA 70723 (225) 450-1340</p>	<p>This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH provided design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), <b>electrical lighting design</b>, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
December 2024 (Estimated)	\$1,500,000 (Estimated)	\$646,766

<b>PROJECT NO. 10</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p>New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.</p> <p>Ascension Parish 4207 Churchpoint Road Gonzales, LA 70723 (225) 450-1340</p>	<p>BH provided feasibility study and design services for a roundabout at the intersection of Highway 929 and Parker Road. BH also <b>designed the lighting</b> for the roundabout. The project consisted of two phases; the first was LADOTD, Parish, and pipeline utility coordination to determine feasibility and receive written approvals. The second was design and permitting. BH evaluated conceptual alternatives for the intersection in order to improve capacity and/or safety. Upon acceptance and authorization from LADOTD and the pipeline companies, BH provided the design and specifications for public bidding and is currently providing construction administration services.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
July, 2024 (Actual)	\$1,583,947 (Estimated)	\$496,086

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

Buchart Horn, Inc. was selected by LADOTD to provide electrical services statewide after being ranked number 1 on the shortlist.

Please see the Additional Information section of this proposal.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature: James Q. Dickerson, III Print Name: James Q. Dickerson, III, PE, PS  
 Title: Vice President Date: September 6, 2024



## **ADDITIONAL INFORMATION**

## ADDITIONAL INFORMATION

### Experience Overview

BH possesses the transportation and electrical engineering experience needed by the Parish of Jefferson to provide services to successfully complete task assignments from this retainer on time and within budget. BH has been providing transportation and electrical solutions since its founding in 1945 and currently offers engineering expertise throughout the southeastern and eastern United States. BH has been extremely successful in completing thousands of projects for both public and private sector clients. Our staff includes a seasoned group of transportation professionals capable of handling a wide variety and type of projects. From NEPA services, to design, to construction inspection, our staff stands ready and willing to assist our state and municipal clients on a variety of transportation projects.



Our staff has extensive experience in electrical engineering and is familiar with the most up-to-date transportation standards, guidelines, and criteria. BH provides its employees with the latest resources and computer software to prepare roadway and bridge design, as well as traffic simulation models for intersection, arterial, and street network systems. BH's Transportation and Traffic divisions offers a full range of transportation-related experience, including:

- Municipal Engineering including Planning and Zoning Board Reviews
- Construction engineering and inspection
- General structural design
- Controlled access highway design and construction inspection
- Site grading, drainage, and stormwater design
- Erosion prevention and sedimentation control plans
- Arterial and local road design and construction inspection
- Surveying and ROW services
- Signing and striping plans and traffic signal design
- Lighting design
- Construction planning
- Traffic studies and design
- Transportation planning

We work with our clients on defining the goals and objectives of their visions. We identify existing problems, generate and evaluate alternatives, introduce them, and work together to find a solution and develop a plan. Above all, we aim to create a team approach between ourselves and our clients. It's important to us to build positive, long-term relationships with our clients, and we build those relationships on trust, respect, and collaboration. Our repeat business rate exceeds 90% because our clients know they can count on us to listen to them, understand their needs, and work in unison with them to provide quality and cost-effective solutions.

### Evaluation Criteria

#### 1. Professional training and experience in relation to the type of work required for the electrical engineering services.

BH's internal/external training program includes a thorough onboarding process including assignment of a mentor for new employees; in-house computer hardware and software training; orientation to corporate procedures and standards; and safety training as appropriate to position. Participation in the firm's ongoing Project Manager training is mandatory for personnel in project management-level personnel and staff attendance at continuing education seminars, conferences, and workshops is encouraged, and costs can be reimbursed if prior approval is obtained.

BH is experienced in providing engineering services for roadway lighting projects. Some notable projects are:

- Medical Center Boulevard Lighting (Jefferson Parish)
- Power Boulevard Lighting (City of Kenner, Jefferson Parish)
- US 165 Lighting (LADOTD, Ouachita Parish)
- I-110 @ Terrace Avenue Lighting (LADOTD, East Baton Rouge Parish)
- MacArthur Interchange Completion PH. II, New Lighting Design, (LADOTD, Jefferson Parish)
- Roddy Road @ LA 931 Roundabout (Ascension Parish)

Please refer to Section K of the TEC Questionnaire and the attached resumes for detailed information on our proposed Team's training and experience.



## ADDITIONAL INFORMATION

2. **Size of firm, considering the number of professional and support personnel required to perform electrical engineering tasks, including project evaluation, project design, drafting of technical plans, development of technical specifications, and construction administration.**

BH has designated 12 employees to perform the tasks associated with this contract. Our size, experience, and broad-scale expertise allows us to offer full-service capabilities in every major design sector. Furthermore, we have the ability to quickly and efficiently pull resources and talent, as necessary, to meet the demands of any office, client, or project. Our Metairie and Baton Rouge offices have 8 full-time employees and possess the skillsets and experience needed for these retainer services.

3. **Capacity for timely completion of newly assigned work, considering the factors of type of engineering task, current unfinished workload, and person or firm's available professional and support personnel.**

At BH, we pride ourselves on our ability to both multitask and manage complex work efforts using a team-based approach. The process works by appointing a single, direct client contact Project Manager, who will be the primary liaison between the Parish and the firm as a whole. This gives the Parish single source access to address questions and assign work tasks. As projects and particular engineering services are identified, the Project Manager will assemble the appropriate and most qualified staff who can perform the tasks in an effective and cost-efficient manner. At any given time, the Principal-In-Charge will oversee the work and coordination efforts of the Project Manager to ensure the Parish is being served to the best of our abilities.

Furthermore, with over 170 employees companywide, we have more than enough resources to provide electrical engineering services for Jefferson Parish. To ensure our ability to meet any schedule and optimize our efforts, we support our design and planning professionals with numerous junior engineers, designers, technicians, and support staff.

4. **Past Performance by person or firm on projects of similar or comparable size, scope, and scale**

For nearly 80 years, BH has succeeded in providing efficient, dependable, and cost-effective service. For over 50 years, BH has operated successful Louisiana offices supporting a wide variety of Louisiana clients, including municipal, private, and state agencies. Our firm has a demonstrated record for on-time performance. This, and our consistency in providing a quality product, is a result of our tradition of design excellence, and is evident in our repeat business rate, which exceeds 90%.

Recently BH has been involved in a number of fast-track designs for transportation projects. This work has enabled us to develop and fine-tune a methodology whereby we can advance selected design elements to allow work to proceed on an accelerated schedule.

BH consistently receives "Above Satisfactory" to "Outstanding" past performance ratings from LADOTD in Transportation Planning, Road Design, and Electrical-Road Lighting.

5. **Location of the principal office.**

The work associated with this project will be primarily performed out of our Metairie LA office (located within Jefferson Parish) at 3500 N. Causeway Blvd., Suite 1518.

6. **Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed or any ongoing adversarial legal proceedings between the Parish and the person or firm performing professional services, excluding those instances or cases where the person or firm was added as an indispensable party, or where the person or firm participated in or assisted the public entity in prosecution of its claim.**

BH has no legal proceedings with Jefferson Parish.



## ADDITIONAL INFORMATION

**7. Prior successful completion of projects of the type and nature of the electrical engineering services, as defined, for which firm has provided verifiable references.**

BH has a nearly 80 year reputation of providing quality engineering and consulting services to State and local agencies and authorities, which has been a mainstay of our company. It is our vision to “strengthen communities” through our efforts, and the first step is through sound engineering advice. We understand the roles communities play in providing cost-effective services to citizens. Our firm has considerable State and County level transportation experience, including electrical studies and design for the Parish listed within our question #1 response at the beginning of this section. BH has demonstrated an ability to meet ambitious design schedules for similar projects. We consider this ability to complete projects on time and within allocated budgets a major asset. Our on-time performance and consistency in providing a quality product are the results of our tradition of design excellence and are evident in our repeat business rate, which exceeds 90%.

Similar projects and corresponding references are included in Section L of the TEC Questionnaire.

BH is currently providing professional consulting services to Jefferson Parish for the following projects:

- Medical Center Boulevard Lighting (Jefferson Parish)
- Retainer Agreement for As-Needed Miscellaneous Street Lighting Projects
- Retainer Agreement for As-Needed Traffic Engineering Services
- Retainer Agreement for As-Needed Electrical Engineering Services

BH previously provided professional consulting services to Jefferson Parish for the following projects:

- Citrus Boulevard Improvements, Traffic Engineering
- W. Metairie Avenue Restoration (David Drive to Roosevelt Boulevard)
- Drainage Improvements at Citrus Boulevard between Jefferson Highway and Citrus Boulevard
- Transcontinental and West Metairie Sewer Lift Station Rehabilitation
- Canal Bank Stabilization of West Metairie Canal (Canal No. 5) from Williams Boulevard to Clay Street
- Improvements to Ridgelake and 25th Street Sewer Lift Station

Jefferson Parish has never had a claim against BH for unsatisfactory work. For over 50 years, BH has operated a successful office in Louisiana. We have maintained an excellent reputation with clients including Jefferson Parish and we value our reputation of dependability.

### Minimum Qualifications

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**1. One principal who is a professional engineer who shall be registered as such in Louisiana**

James Q. Dickerson, III, PE, PS (LA PE.0038922), Vice President, is a registered Professional Engineer in Louisiana and, per Section 2-926 of the Jefferson Parish Code of Ordinances, is qualified to serve as Principal for this project.

**2. A professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved**

Sherry L. Wolfe, PE (LA PE.0038478), Associate Vice President, is a registered Professional Engineer in Louisiana and has more than 5 years of electrical engineering experience.

**3. One employee who is a professional engineer registered as such in Louisiana in the field or fields of expertise required for the project**

As mentioned in selection criteria 2 above, Ms. Wolfe meets this requirement. Additional individuals that meet this requirement are Mr. Dickerson, Mr. Gaspard, Mr. Joy, and Mr. Mingo.





**RESUMES**

**Education:**

Bachelor of Science  
Civil Engineering  
University of Mississippi

**Registrations/Certifications:**

Professional Engineer: LA, MS  
Professional Surveyor: MS  
Work Zone Traffic Control -  
Flagging/Mississippi/Design and  
Operation of Work Zone Traffic Control

**Years' Experience:**

50

**Professional Affiliations:**

American Council of Engineering  
Companies/Mississippi  
Mississippi Engineering Society  
National Society of Professional  
Engineers  
Society of American Military  
Engineers/Memphis Post

## James Q. Dickerson, III, PE, PS

Principal-in-Charge

Mr. Dickerson has 50 years of professional transportation engineering experience. He served as District Engineer for the Mississippi Department of Transportation's District Two, where he was responsible for coordinating the planning, designing, construction, and maintenance of the intermodal transportation network in the 17 counties of northwest Mississippi. Mr. Dickerson's areas of expertise include project management, quality assurance, constructability review, and construction engineering and inspection.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Principal-in-Charge

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. As a subconsultant to GEC, Buchart Horn was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team. A construction cost estimate was prepared and BH also provided construction administration services. The project utilized state funding, therefore Buchart Horn was required to complete the analysis and design per LADOTD standards and guidelines in order to receive their review and approval. Principal-in-Charge

**I-10 Off-Ramp and LA 182 J-Turn Improvements Lighting Evaluations, Design, and Construction Administration, LADOTD, Baton Rouge, LA.** BH provided lighting evaluations in conjunction with roadway improvements at the I-10 off-ramps and LA 182 J-turns. BH performed a photometric analysis providing LADOTD with a plan layout illustrating proper illumination, luminary, and lamp specifications; existing lighting were evaluated to determine if supplemental lighting would satisfy project requirement or if a new system was required. Lighting layout, electrical design plans, electrical notes and details were provided. BH also provided construction administration services including review of contractor electrical submittals, attendance at periodic meetings, and providing electrical as built plans, an Operations and Maintenance manual, and an Arc Flash report. Principal-in-Charge



**Education:**

Master of Professional Studies  
Engineering Management  
Pennsylvania State University, Capital  
College

Bachelor of Science  
Electrical Engineering Technology  
Pennsylvania State University, Capital  
College

**Registrations/Certifications:**

Professional Engineer: LA, NJ, PA, WV,  
DC, MD, VA, NC, GA  
NCEES Record

**Years' Experience:**

43

**Professional Affiliations:**

Association of Energy Engineers

## Sherry L. Wolfe, PE

Project Manager and Electrical Engineer

Ms. Wolfe has over 43 years of experience in industrial and facilities electrical engineering including highway and facility lighting design, medium and low voltage power distribution and electrical service design, emergency generation, co-generation design, instrumentation, process control, special systems design, load flow, short-circuit coordination, and ArcFlash studies, project management, field commissioning, construction support services and management of personnel.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Project Engineer

**LA 22 Roadway Lighting and Permit, City of Ponchatoula, LA.** Completed a photometric report, design drawings, and coordination efforts among LADOTD, City of Ponchatoula, and Entergy for submission of a utility permit and supplemental Certification for Permit Lighting for approximately 2.6 miles of state roadway lighting. Electrical Engineer of Record responsible for providing technical direction of design, project design assistance, developing final report, and QA/QC review of final report and design documents.

**US 165 Roadway Lighting, LADOTD, Monroe, LA.** BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines. Project Manager

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. Electrical Engineer

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Manager



**Education:**

Master of Business Administration  
Business Administration  
Cappella University

Bachelor of Science  
Civil Engineering  
Louisiana State University

**Registrations/Certifications:**

Professional Engineer: LA

**Years' Experience:**

40

## Kevin J. Gaspard, PE

Civil/Transportation Engineer

Mr. Gaspard is a Senior Transportation Engineer who joined BH's Baton Rouge team in 2020 after retiring from LADOTD. While at LADOTD, he worked in the Road Design section for nine years as a design team leader and 24 years as the Pavement and Geotechnical manager at the Louisiana Transportation Research Center. He has over 60 publications in International Journals. Mr. Gaspard has over 40 years of engineering experience and is a highly skilled Project Manager.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Project Manager

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. As a subconsultant to GEC, Buchart Horn was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team. A construction cost estimate was prepared and BH also provided construction administration services. Project Manager

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Manager

**Interchange Lighting Improvements Design and Construction Management Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.** BH designed a complete lighting system over the entire length of I-55 at the LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Services included plans, specifications and special provisions, construction estimates, illumination analysis, and engineering calculations. BH is providing Construction Management services, having responded to RFIs during the bidding phase and currently assisting with review of lighting submittals during construction. Project Manager



**Education:**

Bachelor of Science  
Civil Engineering  
University of Alabama

**Registrations/Certifications:**

Professional Engineer: LA

**Years' Experience:**

12

## Caldwell P. Joy, PE

Civil/Transportation Engineer

Mr. Joy has 12 years of experience in the field of civil engineering. Design projects he has worked on include roadway lighting, roadway rehabilitation, new construction, widening, sidewalk design, signal design, standard intersection, and roundabout design for state highways and local roads. He is primarily responsible for design plan preparation and detailing, typical section development, design quantity calculations, and cost estimation, which require extensive use of MicroStation and InRoads.

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.**

BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Engineer

**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.**

BH provided feasibility study and design services for a roundabout at the intersection of Highway 929 and Parker Road. The project consisted of two phases; the first was LADOTD, Parish, and pipeline utility coordination to determine feasibility and receive written approvals. The second was design and permitting. BH evaluated conceptual alternatives for the intersection in order to improve capacity and/or safety. Upon acceptance and authorization from LADOTD and the pipeline companies, BH provided the design and specifications for public bidding. Project Engineer

**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH provided design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. Project Engineer

**Harrison Avenue Improvements Design, St. Tammany Parish, Covington, LA.**

Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage. Project Engineer

**Jefferson Highway at Corporate Intersection Improvements, City of Baton Rouge/Parish of East Baton Rouge, LA.**

BH is providing design to extend existing and incorporate additional turning lanes, where necessary, to increase storage length and improve capacity. In addition to turning lane improvements, pedestrian facility and driveway access enhancements will be made to improve safety, pedestrian connectivity to transit facilities, and access management. Project Manager



**Education:**

Bachelor of Science  
Civil Engineering  
Louisiana State University

**Registrations/Certifications:**

Professional Engineer: LA

**Years' Experience:**

10

## Joseph F. Mingo, PE

Civil/Transportation Engineer

Mr. Mingo has more than 10 years of experience working on projects related to road design. He has worked on roadway rehabilitation, widening, roundabout, and lighting design projects. His primary responsibilities include design development, design plan preparation and detailing, design quantity calculations, and cost estimation. These duties require extensive knowledge and use of MicroStation and InRoads design software.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Project Engineer

**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** BH provided feasibility study and design services for a roundabout at the intersection of Highway 929 and Parker Road. The project consisted of two phases; the first was LADOTD, Parish, and pipeline utility coordination to determine feasibility and receive written approvals. The second was design and permitting. BH evaluated conceptual alternatives for the intersection in order to improve capacity and/or safety. Upon acceptance and authorization from LADOTD and the pipeline companies, BH provided the design and specifications for public bidding. Project Engineer

**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH provided design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. Project Engineer

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Engineer

**Education:**

Coursework  
Widener University

Coursework  
University of Delaware

**Registrations/Certifications:**

Professional Engineer: PA, DE

**Years' Experience:**

37

## Stephen R. Moore, PE

### Electrical Designer

Mr. Moore has 37 years of diverse experience in the field of electrical engineering. He is responsible for managing projects and designs. His abilities include all phases of electrical engineering from conceptual design to the development of construction documents and construction administration. Mr. Moore's experience includes the design of electrical, telecommunications, control and instrumentation systems, cost estimating, system analysis, energy studies, and feasibility/constructability studies.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Electrical Engineer

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. As a subconsultant to GEC, Buchart Horn was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team. A construction cost estimate was prepared and BH also provided construction administration services. Electrical Engineer

**US 165 Roadway Lighting, LADOTD, Monroe, LA.** BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines. Electrical Engineer

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Electrical Engineer

**Education:**

Bachelor of Science  
Electronics and Computer Engineering  
Technology  
Pennsylvania College of Technology

**Registrations/Certifications:**

Professional Engineer: DE, PA, MD, NJ

**Years' Experience:**

14

## Casey L. Miller, PE

Electrical Designer

Mr. Miller has more than 14 years of experience in electrical engineering. He is responsible for designing complete electrical projects in the Water/Wastewater, Facilities, and Transportation fields. Along with designing, he provides modeling using Revit, drafting, electrical specification writing, electrical design, and construction services. He specializes in low voltage power distribution, power system analysis, lighting (including roadway, interior, exterior, and emergency), network and communication systems, process control and SCADA systems, and instrumentation.

**NJDOT, Bridge Engineering Service for Maintenance & Operations, 3-Year Term Agreement.**

On-Call Multi-discipline, term agreement transportation project in support of the NJDOT Maintenance and Operations Division. Included over 100 bridge/transportation assignments each requiring a specific engineering and/or environmental service, including electrical and lighting design. Project Engineer

**In-Depth Inspection, Pennsylvania Turnpike Lehigh Tunnel, CS Davidson, Inc., Lehigh and Carbon Counties, PA.**

In-depth tunnel inspection services as a subconsultant to CS Davidson. Services include the inspection of all structural elements, all electrical systems and components, and all mechanical systems and components. An Inspection Report including recommendations for repair/rehabilitation will be provided to the Pennsylvania Turnpike Commission upon completion. Project Engineer

**3600 AVRR EV Charging Stations, City of Pittsburgh, PA.** BH is designing four dual hose Electric Vehicle (EV) charging stations (with an option for five additional). The site is 6300 AVRR, a City of Pittsburgh Maintenance Warehouse currently being redesigned by BH's Architecture Group. The project will include coordination with the local electrical utility company and construction phase services.

**Broadway Avenue Streetscape Improvements, City of Pittsburgh, PA.** BH is designing streetscape improvements along Broadway Avenue in the Beechview neighborhood of the City of Pittsburgh. The design work will include roadway, traffic signal, plaza, lighting, and other improvements within the project area. The contract includes preparation of documents needed to bring the project to bid and services during construction. Project Engineer

**Parallel Taxiway Extension Phase III Design, Franklin County Regional Airport, Susquehanna Area Regional Airport Authority, Chambersburg, PA.** BH provided design and bidding services for a parallel taxiway extension, including final grading, pavement design, edge lighting design, and pavement marking design. Project Engineer

**Study and Design for the Rehabilitation of Blue Mountain and Kittatinny Tunnels, PA Turnpike Commission, Franklin County, PA.**

As a sub-consultant during Phase I, BH is responsible for the design of lane control signals and closed circuit television (CCTV) cameras, as well as the power and communication to dynamic message signs (DMS), traffic signals, and an automated lane closure system. As a sub-consultant during Phase II, BH is responsible for the design of a supervisory control and data acquisition (SCADA) system as well as, DMSs within the tunnels and at the tunnel portals, thermal CCTV cameras within the tunnels, a carbon monoxide (CO) monitoring system within the tunnels, portable CCTV, and a hydrocarbon detection system. Project Engineer

**Education:**

Coursework

Bossier Parish community College

**Years' Experience:**

30

## David M. Britner

### Electrical Design Support

Mr. Britner has 30 years of experience in civil design as a CADD Technician. His civil experience includes highway plans (LADOTD), city streets, drainage, geometric details, signing/stripping, quantities for earthwork, summary tables, and quantities estimates. He has also prepared clearing/grubbing plans, sanitary sewer designs, wastewater treatment plants, sewer pumping stations, and drainage basins. Mr. Britner also has three years of experience as a GIS Analyst. During that time, he was responsible for the overall supervision and coordination of data input and output. Mr. Britner has extensive experience with ESRI software, Arc/Info 8.1, Arc/View 8.1.2, and ArcMAP 10.2. He has also been responsible for GPS data, inventory, map-making, data input, database records, and overall quality assurance for projects. Mr. Britner has been performing and preparing design plans for the lighting projects for the LADOTD and ensuring the plans are uploaded into the LADOTD ProjectWise web site.

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This projects goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. As a subconsultant to GEC, Buchart Horn was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team. A construction cost estimate was prepared and BH also provided construction administration services. Project Designer

**I-110 at Terrace Avenue Ramp Modification Design and Construction Services, LADOTD, Baton Rouge, LA.** BH designed street lighting associated with the construction of a new off-ramp from I-110 in Baton Rouge intended to minimize traffic congestion from the Mississippi River Bridge eastbound to I-10 at the Washington Street Exit. BH is now providing construction administration services for the portion of the project designed by us. Services to be performed by BH include review contractor electrical submittals, attending periodic meetings, providing electrical as built plans and O&M manual, and providing an Arc-flash report. DOTD will provide inspection services for the ramp reconstruction and improvements. Project Designer

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Designer

**Interchange Lighting Improvements Design and Construction Management Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.** BH designed a complete lighting system over the entire length of I-55 at the LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Services included plans, specifications and special provisions, construction estimates, illumination analysis, and engineering calculations. Project Designer



**Education:**

Bachelor of Science  
Civil Engineering  
Louisiana State University

**Registrations/Certifications:**

Engineering Intern: LA

**Years' Experience:**

6

## Hugo A. Leiva, EI, Civil EIT

### Electrical Design Support

Mr. Leiva is a Civil Engineer-in-Training who joined BH's Baton Rouge team in 2020. During his time with BH he has gained experience by supporting multiple LADOTD On-Call Contracts, including two Electrical Engineering retainers and a Safety Studies retainer. Mr. Leiva is also supporting the Move Ascension Roadway Design Services retainer along with multiple other Louisiana projects and studies to acclimate himself to LA roadway specifications and designs. Hugo will attain his PE license in September.

**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor. Engineer Intern/Engineer-in-Training

**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** BH provided feasibility study and design services for a roundabout at the intersection of Highway 929 and Parker Road. The project consisted of two phases; the first was LADOTD, Parish, and pipeline utility coordination to determine feasibility and receive written approvals. The second was design and permitting. BH evaluated conceptual alternatives for the intersection in order to improve capacity and/or safety. Upon acceptance and authorization from LADOTD and the pipeline companies, BH provided the design and specifications for public bidding. Engineer Intern/Engineer-in-Training

**Harrison Avenue Improvements Design, St. Tammany Parish, Covington, LA.** Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage. Engineer Intern/Engineer-in-Training

**West Bank Group B Street Improvements, City of New Orleans, LA.** BH is developing preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements will include mill and overlay with full depth patching; other incidental road repairs will be required in certain sections of the project area. Following design, construction administration and resident inspection services will be provided during construction of the project. Engineer Intern/Engineer-in-Training

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. Project goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. Engineer Intern/Engineer-in-Training



**Education:**

Bachelor of Science  
Electrical Engineering  
Pennsylvania State University

**Registrations/Certifications:**

Engineer Intern: LA  
Engineer-in-Training: PA

**Years' Experience:**

7

## Tyler E. Bos, EIT

### Electrical Design Support

As an EIT in BH's Electrical Division, Mr. Bos is responsible for designing electrical distribution systems and running power systems analyses. Mr. Bos also provides plan development provides drafting using AutoCAD and Revit software, lighting design using Visual software, and specification writing using SpecLink-E.

**Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.** The project entails the installation of a shared use path, public artwork, landscaping, lighting improvements, a new pedestrian bridge, and pedestrian crosswalks along a one mile stretch of Power Boulevard in Kenner, Louisiana. This project's goals were to beautify an area of Kenner, as well as ensure and encourage the safety of vehicular and pedestrian traffic that utilize the current facilities. BH was responsible for performing the Traffic Analysis for the proposed crosswalk locations, as well as a Photometric Analysis Report and Design Plan lighting for both the shared use path and the pedestrian bridge. Stakeholders involved in the project were the City of Kenner, Entergy, and LADOTD; with BH being responsible for coordination amongst the team. A construction cost estimate was prepared and BH also provided construction administration services. The project utilized state funding, therefore BH was required to complete the analysis and design per LADOTD standards and guidelines in order to receive their review and approval. Engineer-in-Training

**New I-20 Overpass over LA 544 Lighting Design, LADOTD, Ruston, LA.** BH performed a preliminary study to evaluate roadway lighting for a new I-20 overpass on LA 544. The study also evaluated on- and off-ramps to I-20. Following the preliminary study, final design will be performed by supplemental agreement. Engineer-in-Training

**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Engineer-in-Training

**MacArthur Drive Interchange Lighting, LADOTD, Monroe, LA.** Highway lighting design including plans, construction estimate, photometric, and engineering calculations for a complete preliminary lighting system over the project limits of the Eastbound lanes of US 90Z along with the off and on ramps defined by the project including all interchanges and interfacing with remaining existing lighting beyond the ends of the project. Additionally the Jefferson Parish Sheriff office (JPSO) Helipad on the North side of the Expressway will be evaluated with regards to the existing lighting Engineer-in-Training

**I-110 at Terrace Avenue Ramp Modification Construction Services, LADOTD, Baton Rouge, LA.** BH designed street lighting associated with the construction of a new off-ramp from I-110 in Baton Rouge and is now providing construction administration services for the portion of the project designed by us. Services to be performed by BH include review contractor electrical submittals, attending periodic meetings, providing electrical as built plans and O&M manual, and providing an Arc-flash report. DOTD will provide inspection services for the ramp reconstruction and improvements. Engineer-in-Training

**Education:**

Master of Science  
Electrical Engineering  
Drexel University

Bachelor of Science  
Physics  
Seton Hall University

**Years' Experience:**

1.5

## Brandon S. Barnville

### Electrical Design Support

Mr. Barnville recently attained a Master of Electrical Engineering degree and is diligently working towards becoming a licensed Electrical Engineer-in-Training. He has been assigned to an Electrical Design Support role, where he aims to gain valuable experience in the electrical engineering field. His project work to date exemplifies his commitment to excellence and innovation in electrical engineering.

**WWTF Emergency Electrical Systems Upgrade, Cape May County MUA, Cape May Courthouse, NJ.** BH was awarded a contract to upgrade the emergency electrical systems at two wastewater treatment facilities located in Cape May House and Rio Grande, New Jersey. Built in the early 1980s, these facilities' electrical systems, including switchgear, panelboards, MCCs, VFDs, starters, and standby generators, have reached the end of their useful life. In 2023, BH conducted a thorough assessment of these systems, resulting in recommendations for immediate replacements, replacements based on testing results, and replacements within 3-5 years. The upgrade project also includes the installation of new generator room louver ventilation systems and portable generator plug-in ports for enhanced redundancy and backup power. Engineer-in-Training

**Electrical Upgrade for Secure Sanitary Landfill Leachate Pump Stations and Overhead Line, CMCMUA, NJ.** The project involves updating the current Leachate Pump Stations' drawings and specifications based on review comments received for the 100% SLF Leachate Pump Stations design and the 75% Additional OH Lines. The project includes a structural analysis for the required guy wire lengths and anchor depths. The scope of work also includes replacing poles, fuses, and adding fused cutouts in key locations as recommended in the Power Systems Study Report. Additionally, the project involves installing Fiber Optic cabling and associated network components in a loop configuration from Scale House #2 to all Leachate Pump Stations and the Flare PLC area, coordinating a review meeting with the Authority, preparing a preliminary construction schedule, incorporating comments, issuing bid documents, and assisting during the Bid Phase. The final deliverables will include updated drawings, specifications, cost estimates, and bid documents with associated cost estimates. Engineer-in-Training

**Union Fire Association Fire Station, Township of Lower Merion, Bala Cynwyd, PA.** Professional architectural and engineering design services for significant renovation and expansion project. Planned enhancements include converting the second-floor social hall into bunk rooms and living facilities, expanding the engine bay, and upgrading HVAC, plumbing, electrical, and security systems. Funded by a mix of private, local, and state resources, the project aims to modernize facilities to better support a combined staffing model and meet current firefighting needs under the oversight of Lower Merion Township and Union Fire Association. Engineer-in-Training

**Education:**

(Graduating May 2025)  
Bachelor of Science in Engineering  
Electrical Engineering  
Elizabethtown College

**Years' Experience:**

.5

**Professional Affiliations:**

Society of Women Engineers

## Olivia Goebel

### Electrical Design Support

Ms. Goebel is a highly capable Electrical Engineer - Intern currently studying for a bachelor's degree in engineering, with a focus in electrical engineering. She is growing her skill sets and gaining valuable experience by providing electrical design support on multiple Architectural, Transportation, and Water Resource projects. Her affiliation with professional organizations such as the Society of Women Engineers has strengthened her motivations to become a licensed professional engineer.

**US 165 Roadway Lighting, LADOTD, Monroe, LA.** BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines. Electrical Engineer - Intern

**Roddy Road at LA 621 Roundabout Lighting Services, T. Baker Smith, LLC, Ascension Parish DPW, Gonzales, LA.** Prime contractor T. Baker Smith (TBS) was issued a task order through the Move Ascension Initiative to perform engineering and related services in support of the design of a single-lane asphalt roundabout at the intersection of Roddy Road and LA 621 in Gonzales, LA. TBS subcontracted with BH to provide electrical lighting design and plans showing the locations of existing equipment, removal of the existing equipment (if necessary), and the proposed location of new equipment. Plans included service points, lighting controllers/panels, disconnects, and receptacles, pull boxes, underground junction boxes, conduit, jacked/bored casing, light poles, and luminaries. Preliminary and Final Short Circuit and Arc Flash Hazard reports were created, along with Illumination Analysis and Photometric Reports to demonstrate that all design criteria had been met. After BH completed designs and plans, a supplement was created between BH and TBS to revise plan documents to comply with new electrical lighting design and TS-822 specifications as required by the LADOTD. Electrical Engineer - Intern

**WWTF Emergency Electrical Systems Upgrade, Cape May County MUA, Cape May Courthouse, NJ.** BH was awarded a contract to upgrade the emergency electrical systems at two wastewater treatment facilities located in Cape May Court House and Rio Grande, New Jersey. Built in the early 1980s, these facilities' electrical systems, including switchgear, panelboards, MCCs, VFDs, starters, and standby generators, have reached the end of their useful life. In 2023, BH conducted a thorough assessment of these systems, resulting in recommendations for immediate replacements, replacements based on testing results, and replacements within 3-5 years. The upgrade project also includes the installation of new generator room louver ventilation systems and portable generator plug-in ports for enhanced redundancy and backup power. Electrical Engineer - Intern

**Union Fire Association Fire Station, Township of Lower Merion, Bala Cynwyd, PA.** Professional architectural and engineering design services for significant renovation and expansion project. Planned enhancements include converting the second-floor social hall into bunk rooms and living facilities, expanding the engine bay, and upgrading HVAC, plumbing, electrical, and security systems. Funded by a mix of private, local, and state resources, the project aims to modernize facilities to better support a combined staffing model and meet current firefighting needs under the oversight of Lower Merion Township and Union Fire Association. Electrical Engineer - Intern






## LICENSES



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. James Quinton Dickerson III  
133 Hemlock Road  
Batesville, Mississippi 78606

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>	
<b>Mr. James Quinton Dickerson III</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0038922</b>	<b>09/30/2024</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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### Disclaimer


All information provided by LPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LPELS.



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Ms. Sherry Lee Wolfe  
92 Kendale Road  
Red Lion, Pennsylvania 17356

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Ms. Sherry Lee Wolfe</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0038478</b>	<b>03/31/2026</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Kevin John Gaspard  
3314 Westervelt Avenue  
Baton Rouge, Louisiana 70820

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Kevin John Gaspard</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0023835</b>	<b>03/31/2025</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Caldwell Phillips Joy II  
18163 East Petroleum Drive, Suite A  
Baton Rouge, Louisiana 70809

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 <a href="http://www.lapels.com">www.lapels.com</a>	
<b>Mr. Caldwell Phillips Joy II</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0043830</b>	<b>03/31/2026</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Joseph Folse Mingo  
3500 North Causeway Boulevard, Suite 1060  
Metairie, Louisiana 70002

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Joseph Folse Mingo</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0043700</b>	<b>03/31/2026</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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**BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS**

**P. O. Box 2649**

**Harrisburg, PA 17105-2649**

**12/05/2023**

**License Information**

STEVEN R MOORE

Hallam, Pennsylvania 17406

Board/Commission: State Registration Board for Professional  
Engineers, Land Surveyors and Geologists

Status Effective Date: 06/08/2004

LicenseType: Professional Engineer

Issue Date: 06/08/2004

Specialty Type:

Expiration Date: 09/30/2025

License Number: PE070797

Last Renewal: 09/20/2023

Status: Active

**Disciplinary Action Details**

No disciplinary actions were found for this license.

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Pennsylvania Department of State.

DISPLAY THIS CERTIFICATE PROMINENTLY • NOTIFY AGENCY WITHIN 10 DAYS OF ANY CHANGE

**Commonwealth of Pennsylvania**  
**Department of State**  
**Bureau of Professional and Occupational Affairs**  
**PO BOX 2649 Harrisburg PA 17105-2649**

23 0104673

**License Type**  
**Professional Engineer**

**CASEY MILLER**  
**47 N CONLEY LN**  
**ETTERS, PA 17319**



**License Status**  
**Active**

**Initial License Date**  
**07/22/2022**

**License Number**  
**PE093636**

**Expiration Date**  
**09/30/2025**

*Arion R. Claggett*

Acting Commissioner Arion R. Claggett

*Casey Miller*

Signature


ALTERATION OF THIS DOCUMENT IS A CRIMINAL OFFENSE UNDER 18 PA.C.S. §. 4911



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/13/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Hugo Antonio Leiva  
10028 Ole Millstead Court  
Baton Rouge, Louisiana 70816

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Mr. Hugo Antonio Leiva</b>		
License/Certificate Type - Number	Expiration Date	
<b>EI.0034035</b>	<b>09/30/2025</b>	
<b>Status: Active</b>		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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**BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS**

**P. O. Box 2649**

**Harrisburg, PA 17105-2649**

**12/05/2023**

**License Information**

TYLER BOS

YORK, Pennsylvania 17408

Board/Commission: State Registration Board for Professional  
Engineers, Land Surveyors and Geologists

Status Effective Date: 08/12/2022

LicenseType: Engineer in Training

Issue Date: 08/12/2022

Specialty Type:

Expiration Date:

License Number: ET030511

Last Renewal:

Status: Active

**Disciplinary Action Details**

No disciplinary actions were found for this license.

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Pennsylvania Department of State.



Executive Tower  
3500 N. Causeway Blvd., Suite 1518  
Metairie, LA 70002  
(504) 405-3936  
[www.bucharthorn.com](http://www.bucharthorn.com)