

Statement of Qualifications for:

**Professional Electrical Engineering
Services**

SOQ: 22-030

RESOLUTION NO.: 139631

Submitted to:

The Parish of Jefferson, Louisiana

July 15, 2022

July 15, 2022

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

Reference: SOQ 22-030 / Resolution No. 139631
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.

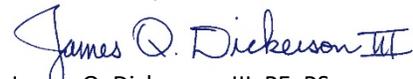
BH proposes Sherry L. Wolfe, PE as our Project Manager. Ms. Wolfe is an experienced Project Manager who has extensive knowledge of DOTD, local standards, and practices gained from direct experience in the field of electrical engineering. She possesses over 40 years of experience in electrical engineering, 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 1060. Consistent with similar projects of this nature BH can supplement this staff with technical expertise from any one of our offices, the closest being 15 miles away in Baton Rouge, and our company-wide base of 160 employees.

We look forward to continuing our successful relationship with Jefferson Parish. Please contact me at (662) 267-5038 or jdickerson@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 of Transportation



TEC QUESTIONNAIRE

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Professional Electrical Engineering Services
SOQ No. 22-030 / Resolution No. 139631

B. Firm Name & Address:

Buchart Horn Inc.
Executive Tower
3500 N. Causeway Blvd
Suite 1060
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 - Southern Transportation Operations
(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
(504) 405-3936
LA PE.00386478

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

<u>28</u> Administrative	<u>1</u> Estimators	<u>1</u> Specification Writers
<u>13</u> Architects (Licensed)	<u>2</u> Geologists	<u>6</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>22</u> Civil Engineers	<u>0</u> Interior Designers	<u>2</u> Project Managers
<u>4</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>1</u> Land Surveyor	<u>1</u> Grant/Funding Specialist
<u>6</u> Electrical Engineers	<u>4</u> Mechanical Engineers	<u>5</u> Sanitary Engineers
<u>13</u> Engineer Intern	<u>12</u> Environmental Engineers	<u>30</u> Other
<u>2</u> Professional Land Surveyors		<u>160</u> TOTAL

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 - Southern Transportation Operations

Project Assignment:

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

Name of Firm with which associated:

Buchart Horn, Inc.

Years' experience with this Firm:

15 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 Southern Transportation Operations, 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 project, Mr. Dickerson will meet regularly with the Project Manager to monitor schedules and budgets. 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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Sherry L. Wolfe, PE Associate Vice President
Project Assignment:
Project Manager Ms. Wolfe meets the Minimum Requirement for Selection #2: A professional in charge of the project who is a professional electrical engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved.
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
15 Years
Education: Degree(s)/Year/Specialization:
Master of Professional Studies / 2013 / Engineering Management Bachelor of Science / 1987 / Electrical Engineering Technology
Active registration: Year first registered/discipline:
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), and NC (2016).
Other experience and qualifications relevant to the proposed Project:
Ms. Wolfe has over 40 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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Kevin J. Gaspard, PE Senior Civil Engineer - Transportation
Project Assignment: Electrical Engineering Mr. Gaspard meets Minimum Requirement for Selection #3 - One employee who is a professional civil engineer registered as such in Louisiana in the field or fields of expertise required for the project.
Name of Firm with which associated: Buchart Horn, Inc.
Years' experience with this Firm: 2 Years
Education: Degree(s)/Year/Specialization: Bachelor of Science / 1984 / Civil Engineering
Active registration: Year first registered/discipline: 1990 / Professional Engineer / LA (PE.0023835)
Other experience and qualifications relevant to the proposed Project: 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 38 years of engineering experience and is a highly skilled Project Manager. Please see his expanded resume within the Resumes section of this proposal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Caldwell (Cal) P. Joy, PE Senior Transportation Engineer
Project Assignment:
Electrical Engineering Mr. Joy meets Minimum Requirement for Selection #3 - One employee who is a professional civil engineer registered as such in Louisiana in the field or fields of expertise required for the project.
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
1.5 Years
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2012 / Civil Engineering
Active registration: Year first registered/discipline:
2019 / Professional Engineer / LA (PE.0043830)
Other experience and qualifications relevant to the proposed Project:
Mr. Joy has 10 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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Joseph F. Mingo, PE Project Engineer
Project Assignment:
Electrical Engineering Mr. Mingo meets Minimum Requirement for Selection #3 - One employee who is a professional civil engineer registered as such in Louisiana in the field or fields of expertise required for the project.
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
8 Years
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2014 / Civil Engineering
Active registration: Year first registered/discipline:
2019 / Professional Engineer / LA (PE.0043700)
Other experience and qualifications relevant to the proposed Project:
Mr. Mingo has more than eight 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. Please see his expanded resume within the Resumes section of this proposal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Stephen R. Moore, PE Senior Electrical Engineer
Project Assignment:
Electrical Engineering
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
4 Years
Education: Degree(s)/Year/Specialization:
N/A Degree Engineering Studies
Active registration: Year first registered/discipline:
2004 / Professional Engineer / PA
Other experience and qualifications relevant to the proposed Project:
<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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Lavinia M. Pintiuta, PE Electrical Engineer
Project Assignment:
Electrical Design Support
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
14 Years
Education: Degree(s)/Year/Specialization:
Master of Engineering / 2014 / Electrical Engineering Bachelor of Science / 2008 / Electrical/Electronic Engineering
Active registration: Year first registered/discipline:
2019 / Professional Engineer / PA
Other experience and qualifications relevant to the proposed Project:
<p>Ms. Pintiuta has more than 14 years of experience in the field of electrical engineering. She is responsible for designing low- and medium-voltage electrical distribution systems and developing power systems studies. Ms. Pintiuta specializes in power systems analysis, which includes load flow analysis, short circuit study, selective coordination, and arc flash analysis. She specializes in medium voltage systems design, incorporating the development of relaying protection schemes.</p> <p>In addition to designing, Ms. Pintiuta provides drafting using AutoCAD and Revit software, lighting design using Visual software, specification writing using SpecLink-E, and assistance in developing budgetary cost estimates. Ms. Pintiuta also reviews submittals, responds to RFIs, and coordinates with the Contractor and Owner during the construction phase of a project to ensure that the designed electrical system meets the project requirements.</p> <p>Please see her expanded resume within the Resumes section of this proposal.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Casey L. Miller, PE Electrical Engineer
Project Assignment:
Electrical Design Support
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
12 Years
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2010 / Electronics and Computer Engineering Technology
Active registration: Year first registered/discipline:
2021 / Professional Engineer / DE
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Miller has more than 10 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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
David M. Britner Civil Project Designer
Project Assignment:
Electrical Design Support
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
13 Years
Education: Degree(s)/Year/Specialization:
N/A Degree
Active registration: Year first registered/discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<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

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Hugo A. Leiva, EI Civil Engineer-in-Training
Project Assignment:
Electrical Design Support
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
1 Year
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2018 / Civil Engineering
Active registration: Year first registered/discipline:
2019 / Engineering Intern / LA (EI.0034035)
Other experience and qualifications relevant to the proposed Project:
<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 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.</p> <p>Please see his expanded resume within the Resumes section of this proposal.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Tyler E. Bos Engineer Intern/Engineer-in-Training
Project Assignment:
Electrical Design Support
Name of Firm with which associated:
Buchart Horn, Inc.
Years' experience with this Firm:
.5 Years
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2020 / Electrical Engineering
Active registration: Year first registered/discipline:
2022 / Engineering Intern / PA (Pending)
Other experience and qualifications relevant to the proposed Project:
<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">- New I-20 Overpass over LA 544 Lighting Design, LADOTD, Ruston, LA.- New Lighting Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.- I-110 at Terrace Avenue Ramp Modification Construction Services, LADOTD, Baton Rouge, LA.- Rehabilitation of Blue Mountain and Kittatinny Tunnels, PA Turnpike Commission, Franklin County, PA. <p>Mr. Bos has passed his NCEES Exam and is awaiting his EIT license.</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:
February 2023 (Estimated)	\$530,000 (Estimated)	\$42,171 (to date)

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Power Boulevard Median Electrical Improvements, GEC, Inc., Kenner, LA.</p> <p>Gulf Engineers & 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>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022 (Engineering Estimated)	\$1,500,000 (Estimated)	\$73,556 (to date)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
I-10 Off-Ramp and LA 182 J-Turn Improvements Lighting Evaluations, Design, and Construction Administration, LADOTD, Baton Rouge, LA. LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	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.	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2021	\$276,278	\$165,713

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
I-110 at Terrace Avenue Ramp Modification Design and Construction Services, LADOTD, Baton Rouge, LA. LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2022	\$347,499	\$265,499

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
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 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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Estimated)	TBD	\$431,072 (to date)

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
New I-20 Overpass over LA 544 Lighting Design, LADOTD, Ruston, LA. LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Estimated)	TBD	\$259,323 (to date)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
US 165 Roadway Lighting, LADOTD, Monroe, LA. LADOTD 1201 Capitol Access Road Room 605Z Baton Rouge, LA 70804 (225) 379-1232	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.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Estimated)	TBD	\$785,561 (to date)

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
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. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022 (Estimated)	TBD	\$397,403 (to date)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<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), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Estimated)	\$1,500,000 (Estimated)	\$629,493 (to date)

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<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. 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.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2022 (Design) Awaiting Construction	\$1,583,947 (Estimated)	\$486,086

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.

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 - Southern Transportation Operations Date: 7/15/2022



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 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)
- Parish Road @ Parker Road Roundabout (Ascension 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. Capacity for timely completion of newly assigned work, considering the factors of 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 160 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.

3. 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 1060.

4. 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.

5. Prior successful completion of projects requiring electrical engineering services for which firm has provided verifiable references.

BH has a 75+ 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 #7 response on the next page. 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.

6. 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 160 employees. 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 the experience needed for these retainer services.

7. Past Performance by person or firm on Parish contracts.

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 Traffic Engineering Services



ADDITIONAL INFORMATION

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

- Retainer Agreement for As-Needed Electrical Engineering Services
- 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 35 years, BH has operated a successful office in Louisiana. We have maintained an excellent reputation with clients including Jefferson Parish. In addition, over the past 75+ years our primary goal has been providing efficient, cost-effective service and maintaining our valued reputation of dependability.

Minimum Qualifications

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 – Southern Transportation Operations, 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 electrical engineer who shall be registered as such in Louisiana with a minimum of five 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



James Q. Dickerson, III, PE, PS

Principal-in-Charge

Mr. Dickerson has 48 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.

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:

48

Professional Affiliations:

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

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. 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. 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





Sherry L. Wolfe, PE

Project Manager

Ms. Wolfe has over 40 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.

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:

39

Professional Affiliations:

Association of Energy Engineers

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. Principal-in-Charge and 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

LA 1/LA 415 Connector Study, LADOTD, Port Allen, LA. BH is performing a preliminary study to evaluate roadway lighting for a new roadway connecting I-10 to LA 1 in West Baton Rouge Parish. The study will also evaluate navigational lighting for the new bridge over the intercoastal waterway. Following the preliminary study, final design will be performed by supplemental agreement. 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





Kevin J. Gaspard, PE

Electrical Engineering

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 38 years of engineering experience and is a highly skilled Project Manager.

Education:

Bachelor of Science
Civil Engineering
Louisiana State University

Registrations/Certifications:

Professional Engineer: LA, TN

Years' Experience:

36

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

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 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



Caldwell P. Joy, PE

Electrical Engineering

Mr. Joy has 10 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
University of Alabama

Registrations/Certifications:

Professional Engineer: LA

Years' Experience:

10



Joseph F. Mingo, PE

Electrical Engineering

Mr. Mingo has more than eight 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.

Education:

Bachelor of Science
Civil Engineering
Louisiana State University

Registrations/Certifications:

Professional Engineer: LA

Years' Experience:

8

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

Stephen R. Moore, PE

Electrical Engineering

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.

Education:

Coursework
Widener University

Coursework
University of Delaware

Registrations/Certifications:

Professional Engineer: PA, DE

Years' Experience:

37

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

Street Lighting Design and Permitting for St. Landry Road, Ascension Parish, Gonzales, LA. BH prepared a photometric report, construction drawings, and technical specifications for design and public bidding of lighting improvements on St. Landry Road in Gonzales, LA. The topographic survey and roadway turn lane design were furnished by Ascension Parish for incorporation into the lighting design. In addition, the Parish coordinated any boundary disputes and provided BH with the right-of-way and servitude limits depicted on the survey. While this project was standalone and not incorporated into the roadway/turn lane design plans, construction was coordinated by the Parish to eliminate any conduit trenching and opening of newly constructed turn lanes. As a summary, BH successfully completed the photometric analyses, designed the power distribution system and circuitry with continuous utility coordination with Entergy, received competitive letting results, performed construction administration and submittal reviews, and completed the project under budget and ahead of schedule. 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





Lavinia M. Pintiuta, PE

Electrical Design Support

Ms. Pintiuta has more than 14 years of experience in the field of electrical engineering. She is responsible for designing low- and medium-voltage electrical distribution systems and developing power systems studies. Ms. Pintiuta specializes in power systems analysis, which includes load flow analysis, short circuit study, selective coordination, and arc flash analysis. She specializes in medium voltage systems design, incorporating the development of relaying protection schemes.

In addition to designing, Ms. Pintiuta provides drafting using AutoCAD and Revit software, lighting design using Visual software, specification writing using SpecLink-E, and assistance in developing budgetary cost estimates. Ms. Pintiuta also reviews submittals, responds to RFIs, and coordinates with the Contractor and Owner during the construction phase of a project to ensure that the designed electrical system meets the project requirements.

Education:

Master of Engineering
Electrical Engineering
Pennsylvania State University

Bachelor of Science
Electrical/Electronic Engineering
Politehnica University, Timisoara,
Romania

Registrations/Certifications:

Professional Engineer: PA

Years' Experience:

14

Professional Affiliations:

Institute of Electrical and Electronic
Engineers

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 Engineer

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 Engineer

Southside Flats Neighborhood Streets Bike Path, City of Pittsburgh, PA. BH is designing a 1.5-mile bike path, which includes photometrics and lighting design, to improve connectivity for people who are walking and biking through the Southside Flats neighborhood by making improvements to existing neighborhood streets paralleling Carson Street. Project Engineer

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



Casey L. Miller, PE

Electrical Design Support

Mr. Miller has more than 10 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.

Education:

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

Registrations/Certifications:

Professional Engineer: DE

Years' Experience:

10

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





David M. Britner

Electrical Design Support

Mr. Britner has 28 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.

Education:

Coursework
Bossier Parish community College

Years' Experience:

28

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. 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





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.

Education:

Bachelor of Science
Civil Engineering
Louisiana State University

Registrations/Certifications:

Engineering Intern: LA

Years' Experience:

4

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

LA 1/LA 415 Connector Study, LADOTD, Port Allen, LA. BH is performing a preliminary study to evaluate roadway lighting for a new roadway connecting I-10 to LA 1 in West Baton Rouge Parish. The study will also evaluate navigational lighting for the new bridge over the intercoastal waterway. Following the preliminary study, final design will be performed by supplemental agreement. Engineer Intern/Engineer-in-Training





LICENSES



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. James Quinton Dickerson III	
License/Certificate Type - Number	Expiration Date
PE.0038922	09/30/2022
Status: Active	
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/1/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Ms. Sherry Lee Wolfe	
License/Certificate Type - Number	Expiration Date
PE.0038478	03/31/2024
Status: Active	
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Kevin John Gaspard		
License/Certificate Type - Number	Expiration Date	
PE.0023835	03/31/2023	
Status: Active		
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/8/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Caldwell Phillips Joy II	
License/Certificate Type - Number	Expiration Date	
PE.0043830	03/31/2024	
Status: Active		

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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.

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/8/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Joseph Folse Mingo		
License/Certificate Type - Number	Expiration Date	
PE.0043700	03/31/2024	
Status: Active		
<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

07/06/2022

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: 09/30/2023

License Number: PE070797

Last Renewal: 09/01/2021

Status: Active

Disciplinary Action Details

No disciplinary actions were found for this license.

This site is considered a primary source for verification of license credentials provided by the
Pennsylvania Department of State.

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

21 0413472

License Type
Professional Engineer

LAVINIA MIHAELA PINTIUTA
1219 SOUTH ST
UNIT A
PHILADELPHIA, PA 19147



License Status
Active

Initial License Date
12/18/2019

License Number
PE090746

Expiration Date
09/30/2023

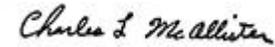
Acting Commissioner Arion R. Claggett

Signature

**STATE OF DELAWARE
DELAWARE ASSOCIATION OF PROFESSIONAL ENGINEERS
92 READ'S WAY, SUITE 208
NEW CASTLE, DE 19720 302-323-4588**

**Casey Miller 23751
has been granted licensure as a Professional Engineer
and is authorized to practice in Delaware until 06/30/2024 .
Licensure must be renewed biennially and is only
validated upon receipt of renewal fees.**

Signature of Licensee



DAPE Secretary



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

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

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Hugo Antonio Leiva License/Certificate Type - Number Expiration Date EI.0034035 09/30/2023 Status: Active	
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Executive Tower
3500 N. Causeway Blvd., Suite 1060
Metairie, LA 70002
(504) 405-3936
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