



Statement of Qualifications for:

**IDIQ Contracts for Electrical Services,
Statewide**

Contract Nos. 4400026073 & 4400026074

Submitted to:

**LA Department of Transportation and
Development**

May 25, 2023


DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

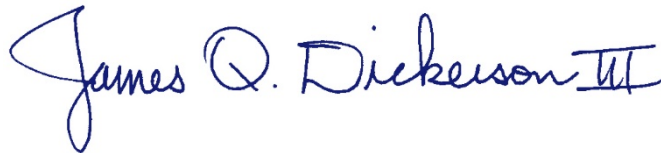
(Revised January 1, 2023)

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ Contracts for Electrical Services, Statewide
2. Contract number(s) as shown in the advertisement	4400026073 and 4400026074
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Buchart Horn, Inc.  BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0000123
6. Prime consultant mailing address	18163 East Petroleum Drive, Suite A Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	18163 East Petroleum Drive, Suite A Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	James Q. Dickerson, III, PE, PS (662) 267-5038 JDickerson@bucharthorn.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	James Q. Dickerson, III, PE, PS (662) 267-5038 JDickerson@bucharthorn.com

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

Signature (shall be the same person as #9):





 Date: May 25, 2023

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

<u>Firm(s):</u>	<u>Firm(s)' %:</u>
Civil Design & Construction, Inc. (CD&C)	9%



12. Past Performance Evaluation Discipline Table:

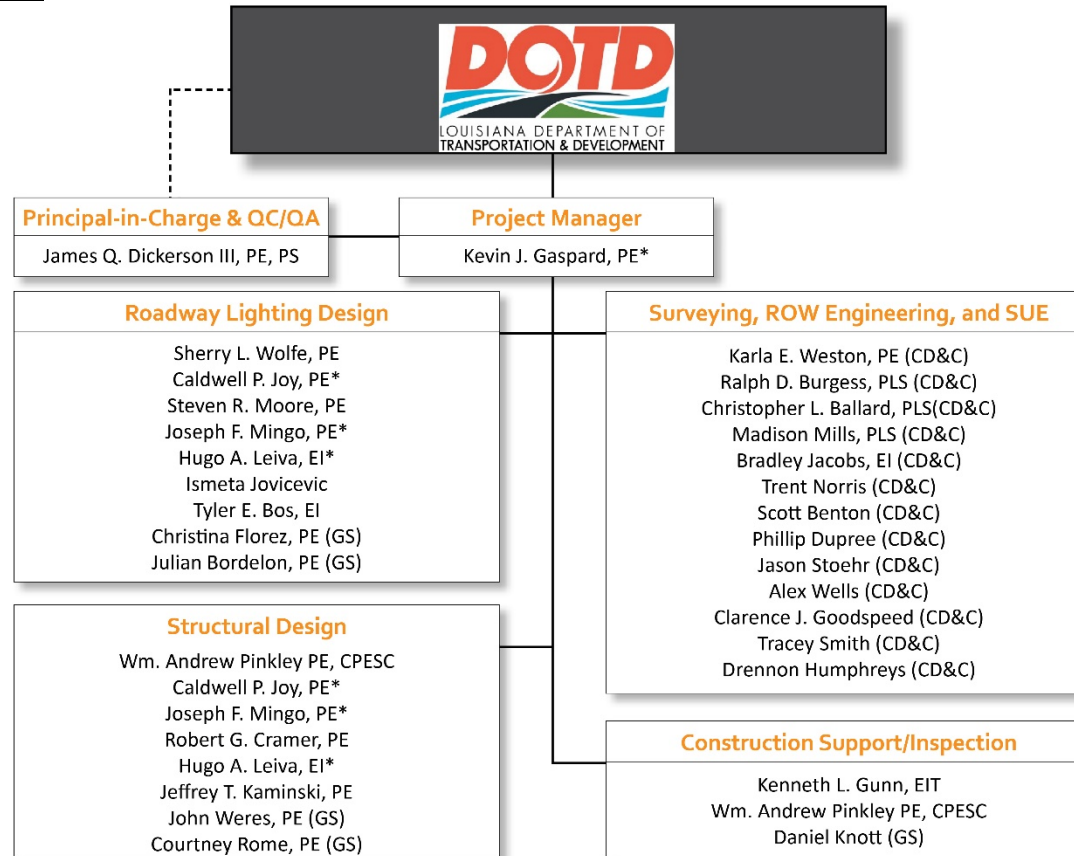
Past Performance Evaluation Discipline(s)	% of Overall Contract	Prime 	Firm A 	Firm B 	Each Discipline must total to 100%
Bridge Design / Roadway Lighting	<u>81%</u>	<u>90%</u>		<u>10%</u>	<u>100%</u>
Survey / SUE	<u>9%</u>		<u>100%</u>		<u>100%</u>
CE&I	<u>10%</u>	<u>85%</u>		<u>15%</u>	<u>100%</u>
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	<u>100%</u>	<u>81.5%</u>	<u>9%</u>	<u>9.5%</u>	

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Buchart Horn, Inc.	Principal	1	2
Buchart Horn, Inc.	Supervisor Engineer	3	3
Buchart Horn, Inc.	Engineer	3	3
Buchart Horn, Inc.	Engineer-Other	2	7
Buchart Horn, Inc.	Engineer Intern	2	3
Buchart Horn, Inc.	Designer	1	3
Buchart Horn, Inc.	Inspector	1	3
Civil Design & Construction, Inc.	Surveyor	1	3
Civil Design & Construction, Inc.	Party Chief	3	5
Civil Design & Construction, Inc.	Instrument Man	2	3
Civil Design & Construction, Inc.	Rodman	1	2
Civil Design & Construction, Inc.	CADD Operator	1	1
Civil Design & Construction, Inc.	Senior Technician	2	5
Civil Design & Construction, Inc.	Supervisor - SUE	1	1
Gresham Smith	Principal	1	1
Gresham Smith	Supervisor-Engineer	2	6
Gresham Smith	Engineer	2	8
Gresham Smith	Engineer Intern	2	8
Gresham Smith	Professional	1	2
Gresham Smith	Senior Technician	2	6
Gresham Smith	Clerical	1	1

(Add rows as needed)

14. Organizational Chart:



Subconsultants

(CD&C) Civil Design & Construction, Inc. | (GS) Gresham Smith










**Gresham
Smith**



* Traffic Engineering Analysis and/or QC of Traffic Engineering Analysis





15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1, 3, 5	James Q. Dickerson, III, PE, PS		Professional Engineer PE.0038922	LA	9/30/2024
5	Kevin J. Gaspard, PE		Professional Engineer PE.0023835	LA	3/31/2025
2, 3, 4a, 4b, 5	Sherry L. Wolfe, PE		Professional Engineer PE.0038478	LA	3/31/2024
5	Wm. Andrew Pinkley, PE, CPESC		Professional Engineer PE.0040713	LA	9/30/2024
6	Jeffrey T. Kaminski, PE		Professional Engineer PE.0039064	LA	9/30/2024
8	Ralph D. Burgess, PLS		PLS 5040	LA	9/30/2024
8	Christopher L. Ballard, PLS		PLS 5033	LA	9/30/2024
4a, 4b	Christina Florez, PE	Gresham Smith	Professional Engineer PE.0038799	LA	9/30/2024
4b	Julian Bordelon, PE	Gresham Smith	Professional Engineer PE.0047473	LA	9/30/2023
6	John Weres, PE	Gresham Smith	Professional Engineer PE.0036429	LA	9/30/2023
6	Courtney Rome, PE	Gresham Smith	Professional Engineer PE.0043355	LA	9/30/2023
7	Daniel Knott	Gresham Smith	NEC NFPA 70E	National	N/A



16. Staff Experience:

Firm employed by		 BUCHART HORN ENGINEERS ARCHITECTS PLANNERS	
Name	James Q. Dickerson, III, PE, PS	Years of relevant experience with this employer	15
Title	Vice President –Southern Transportation Operations	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		Bachelor of Science / 1974 / Civil Engineering	
Active registration number / state / expiration date		07586 / MS / Exp. 12/2023; PE.0038922 / LA / Exp. 09/2024 PLS-02132 / MS / Exp. 12/2023	
Year registered	1979	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		BH Principal-in-Charge and QA/QC	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Mr. Dickerson has more than 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. Mr. Dickerson meets MPR Nos. 1, 3, & 5.		
06/20 – 04/23	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH provided 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. BH is providing construction management services for installation of new highway lighting at the I-55 and LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Recently completed construction services (CE&I) for this project. Principal-in-Charge with quality control oversight.		
01/21 – Ongoing	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. Principal-in-Charge with quality control oversight.		
03/20 – Ongoing	I-20 544 Overpass Replacement, LADOTD, Lincoln Parish, 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 at the intersection of I-20 and LA 544 in Ruston, Louisiana. Principal-in-Charge with quality control oversight.		
07/22 – Ongoing	MacArthur Interchange Completion PH. II, LADOTD, Jefferson Parish, 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 on the Westbank Expressway (US 90) in Harvey, Louisiana. Principal-in-Charge with quality control oversight.
10/20 – Ongoing	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. Currently providing construction services for this project. Principal-in-Charge with quality control oversight.
03/20 – 10/22	I-110 at Terrace Avenue Ramp Lighting 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. Recently completed construction services (CE&I) for this project. Principal-in-Charge with quality control oversight.
07/22 - Ongoing	Roddy Road @ LA 621 Roundabout, Prairieville, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system for a new roundabout at the intersection of LA 631 and Roddy Road in Ascension Parish. Principal-in-Charge with quality control oversight.
04/21 – Ongoing	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing 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. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval. Principal-in-Charge with quality control oversight.
01/21 – 08/22	New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and electrical lighting design. Principal-in-Charge with quality control oversight.
04/14 – 09/17	LA 19 Widening (LA 64 to Sunset Boulevard), Feasibility and Planning Study, LADOTD, Baton Rouge, LA. BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. Principal-in-Charge with quality control oversight.

Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Kevin J. Gaspard, PE	Years of relevant experience with this employer	3
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		Bachelor of Science / 1984 / Civil Engineering	
Active registration number / state / expiration date		PE.0023835 / LA / Exp. 03/2025	
Year registered	1990	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		BH Project Manager	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	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 39 years of engineering experience and is a highly skilled Project Manager. He has managed numerous Interstate and Roundabout Lighting Design Projects as well as provided Construction Engineering and Inspection services on lighting projects. Mr. Gaspard meets MPR No. 5.		
06/20 – 04/23	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH provided 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. BH is providing construction management services for installation of new highway lighting at the I-55 and LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Recently completed construction services (CE&I) for this project. Project Manager.		
01/21 – Ongoing	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.		
03/20 – Ongoing	I-20 544 Overpass Replacement, LADOTD, Lincoln Parish, 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 at the intersection of I-20 and LA 544 in Ruston, Louisiana. Project Manager.		
07/22 – Ongoing	MacArthur Interchange Completion PH. II, LADOTD, Jefferson Parish, 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 on the Westbank Expressway (US 90) in Harvey, Louisiana. Project Manager.		

10/20 – Ongoing	US 165 Roadway Lighting, LADOTD, Richland, 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. Currently providing construction services for this project. Project Manager.
03/20 – 10/22	I-110 at Terrace Avenue Ramp Lighting 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. Recently completed construction services (CE&I) for this project. Project Manager.
07/22 - Ongoing	Roddy Road @ LA 621 Roundabout, Prairieville, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system for a new roundabout at the intersection of LA 631 and Roddy Road in Ascension Parish. Project Manager.
04/21 – Ongoing	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing 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. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval. Project Manager.
01/21 – 08/22	New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and electrical lighting design. Project Manager.
08/20 – Ongoing	West Metairie Avenue Restoration, Infinity Engineering Consultants, Jefferson Parish, LA. Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization. Currently providing construction services for this project. Project Manager.



Firm employed by		 BUCHART HORN <small>CONTRACTORS ENGINEERS ARCHITECTS</small>	
Name	Sherry L. Wolfe, PE	Years of relevant experience with this employer	16
Title	Senior Electrical Engineer	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		Master of Professional Studies / 2013 / Engineering Management Bachelor of Science / 1987 / Electrical Engineering Technology	
Active registration number / state / expiration date		PE.0038478 / LA / Exp. 03/2024, PE053747E / PA / Exp. 09/2023, 33606 / MD / Exp. 10/2024, 24GE04722600 / NJ / Exp. 04/2024, 0402042833 / VA / Exp. 10/2024, PE905001 / DC / Exp. 08/2024, 17564 / WV / Exp. 12/2024, PE033527 / GA / Exp. 12/2023, PE 043499 / NC / Exp. 12/2023	
Year registered	1998	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities:		Lead Electrical Engineer – Roadway Lighting Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Ms. Wolfe has over 42 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. Ms. Wolfe meets MPR Nos. 2, 3, 4a, 4b, & 5.		
10/14 – 06/17	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.		
09/20 - Ongoing	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		
01/21 - Ongoing	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. 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. Project Manager		

06/20 – 04/23	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH developed plans, specifications, special provisions, a construction estimate, illumination analysis, and engineering calculations for a complete lighting system over the entire length of the I-55 at LA 22 interchange. BH responded to RFIs during the bidding phase and assisted with the review of lighting submittals, site inspections, and final site walkdown including development of punch lists during construction. The lighting design also included a smart IoT network and system design allowing the lamps and luminaries to be controlled and monitored using remote access software. This project was completed as a task order under a five-year electrical retainer contract. Project Manager
12/19 – 03/21	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
04/20 – Ongoing	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
07/15 – 03/21	I-10 Off-Ramp and LA 182 J-Turn Improvements Lighting Evaluations, LADOTD, Baton Rouge, LA. BH provided lighting evaluations in conjunction with roadway improvements at the I-10 off-ramps and LA 182 J-turns. Director of Electrical Engineering responsible for directing electrical survey team during inspections and performing QA/QC review of electrical portion of final inspection report.
05/11 – 03/15	LA 942 Street Lighting Design and Permitting, Ascension Parish, Darrow, LA. Design and preparation of necessary LADOTD permits to install lighting along the north side of LA 942 between LA 22 and Kramer Road, using new arms and luminaries on existing wooden light poles as permissible. Electrical Engineer responsible for providing technical direction, design assistance, and QA/QC review of design construction documents.
08/19 - Ongoing	Electrical Services Retainer Contract, LADOTD, Statewide, LA. Statewide electrical retainer contract to be assigned via task orders for all stages of project delivery. Assignments include electrical studies for transportation projects and electrical design plans for transportation facilities including lighting, moveable bridges and pump stations, as well as surveys, construction administration, shop drawing reviews, and preparation of as-built plans. Electrical Engineer responsible for leading the Design Team and Project Managers with the development of task scopes and fee estimates. Engineer of Record and Project Manager, Lead Engineer, Design Team Coordinator, and QA/QC reviewer for assigned tasks.



Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Wm. Andrew Pinkley, PE, CPESC	Years of relevant experience with this employer	20
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		Master of Science / 1992 / Civil Engineering Bachelor of Science / 1984 / Civil Engineering	
Active registration number / state / expiration date		PE.0040713 / LA / Exp. 09/2024; 20453 / TN / Exp. 01/2025; 16759 / MS / Exp. 12/2023; 63244 / FL / Exp. 02/2025; 14929 / AR / Exp. 12/2023; PE031644 / GA / Exp. 12/2023	
Year registered	2016 (LA)	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Structural Design, Construction Support/Inspection	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Mr. Pinkley has more than 39 years of experience in the management and design of civil engineering projects. His experience with governmental work has involved the planning, design, and construction of major transportation-related projects, including airports, highways, and rail and port facilities in Tennessee, Louisiana, Mississippi, Arkansas, and Florida. His experience in the development and construction of private facilities has led to an understanding of the relationships among the different design disciplines required in such projects. Recently, he has been managing several Roadway Safety Audits throughout West Tennessee. Mr. Pinkley meets MPR No. 5.		
06/20 – Ongoing	US 190 Roadway and Bridge Improvements, LA 437 to Business US 190, LADOTD, St. Tammany Parish, LA. Stage 3 design for preliminary and final plans for road and bridge improvements. Geotechnical engineering and a traffic management plan will be included via supplemental agreement. BH is responsible for design development in preliminary and final design plan stages. Services are being provided in support of prime consultant T. Baker Smith.		
03/07 – 01/10	Government Street and South Foster Drive Intersection Improvements, City of Baton Rouge and Parish of East Baton Rouge, LA. BH was tasked with the design and widening of the intersection of Government Street and Foster Drive, consisting of undivided four-lane two-way arterials and one of the busiest areas of the City, as one of the Green Light Program projects. The design would maintain two through-lanes at each approach, along with additional designated turn lanes. Additional turn lanes included a dedicated left turn at both approaches of Government Street and both approaches of Foster Drive. These improvements created safer and more efficient traffic flow. Complete streets elements such as pedestrian paths, ADA compliance and decorative lighting were added to the intersections. Curb and gutter, subsurface drainage and raised medians were also implemented. Due to the dense commercial land use of the area, streamlining utility relocations and right-of-way acquisition proved to be the critical path to a successful project. Our staff performed the ROW survey and taking maps used in negotiations for right-of-way acquisitions. Senior Staff Engineer		
08/21 – Ongoing	Shelby Drive Widening from Paul Lowry Road to Weaver Road, City of Memphis, TN. BH was selected as part of a team to provide various engineering services to the City of Memphis, TN, related to the design and preparation of final construction plans for the Shelby Drive – Paul Lowery to Weaver Road Project. The project includes: widening and extension of Paul R. Lowery Road, widening of Shelby Drive, access management, enhancements to pedestrian infrastructure and crossings,		

	replacement of existing and installation of new traffic signals, improvements to transit access and facilities, planting of appropriate street trees and landscaping, relocation and enhancement of public utilities, roadway lighting, and two grade separated rail crossings (approximately 2.5 miles). Project Manager
04/07 – 10/09	LA 59/I-12 Interchange Improvements, St. Tammany Parish, Mandeville, LA. BH designed major operational improvements to the I-12 interchange with LA 59, a major north/south urban arterial serving St. Tammany Parish. The existing off-ramp left-turn lanes onto LA 59 were single lane. During peak hours, traffic backed up onto the I-12 off-ramps. In addition, a major utility maintenance depot required turning movements sufficient for tractor trailers in excess of 50 feet. The design widened the movements on the off-ramps to a double left turn, the westbound on-ramp to a double lane operation, and provided a double left turn westbound from LA 59 northbound. All of these facilities were designed within the existing right-of-way. The design met the LADOTD design guidelines and was permitted by LADOTD. Services provided included: Preliminary and final plans, Geotechnical services, Traffic analysis, Signal design, Environmental services. Senior Staff Engineer
03/17 – 12/22	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 provided design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage. Transportation Engineer





Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Caldwell (Cal) P. Joy, PE	Years of relevant experience with this employer	2
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering, University of Alabama	
Active registration number / state / expiration date		PE.0043830 / LA / Exp. 03/2024	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Structural Design / Roadway Lighting	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Mr. Joy has more than 10 years of experience in the field of civil engineering. Design projects he has worked on include 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.		
01/21 – Ongoing	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. Professional Engineer.		
06/21 – 09/21	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing 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. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval. Professional Engineer.		
02/21 – Ongoing	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA. Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Project Manager.		
03/21 – 06/21	LA 3040 Corridor Improvements Study, LADOTD, Houma, LA. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Project Manager.		



06/21 – 09/21	Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive. Project Manager.
02/21 – 07/21	US 84 Improvements, LADOTD, Winnfield, LA. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. Project Manager.
03/21 – 10/21	Retainer Contract for Safety Studies, LADOTD, Statewide. BH was awarded a five-year retainer contract for planning studies. Tasks will include Feasibility and Planning studies (referred to by the LADOTD as "Stage 0" Studies), road safety studies, preliminary and final road design plan development, specifications, and engineers' estimates for low-cost safety improvements, safety effectiveness evaluations, crash evaluations, and traffic analysis. Professional Engineer.
08/21 – 09/21	West Metairie Avenue Restoration, Infinity Engineering Consultants/Jefferson Parish, LA. Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization. Professional Engineer.
02/17 – 09/20	Endom Bridge Approach Realignment, Ouachita Parish, Safe Routes to Schools/Local Road Safety Program in West Monroe, LA. This intersection at Endom Bridge had some serious sight distance issues and safety concerns coming off the bridge, as well as, high pedestrian volume in the area. The improvements made was an intersection realignment for better sight distance, allowing trucks to make adequate turning movements off the bridge, and safely transporting pedestrians off the bridge and into the neighborhoods. Project Manager.
11/17 – 06/19	Ouachita Par. Police Jury Sidewalks, Ouachita Parish, Safe Routes to Schools/Local Road Safety Program in West Monroe, LA. This project involved constructing sidewalk around three schools: Riser Elementary, Shady Grove Elementary, and Jack Hayes Elementary. Approximately 2.3miles of sidewalk needed updating. A new redesign of all current sidewalks out there was needed to meet current LADOTD standards and help safely transport pedestrians. Updated widths, slopes, lengths, drainage, and driveways were all need to successfully complete this project. Construction support was also supplied on this project for the contractor. SRTS/LRSP – TO#14 Farmerville Sidewalk. Project Manager.
04/18 – 09/19	Town of Farmerville Sidewalks, Union Parish, Safe Routes to Public Places Program in Farmerville, LA. This project was a set of two sections of sidewalks. One was to help transport pedestrians to the local school and the other was to help transport pedestrians to the library. Approximately 1.14 miles of sidewalk needed updating or newly constructed so they met current LADOTD standards and help safely transport pedestrians. Updated widths, slopes, lengths, drainage, and driveways were all need to successfully complete this project. Construction support was also supplied on this project for the contractor. Project Manager.
09/19 – 09/22	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. Professional Engineer.



Firm employed by		 BUCHART HORN CONSULTING ENGINEERS	
Name	Steven R. Moore, PE	Years of relevant experience with this employer	13
Title	Senior Electrical Engineer	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		PE070797 / PA / Exp. 09/2023, 14074 / DE / Exp. 06/2024	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Lighting	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Mr. Moore has over 46 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.		
12/20 - Ongoing	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		
09/20 - Ongoing	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		
06/20 – 04/23	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH developed plans, specifications, special provisions, a construction estimate, illumination analysis, and engineering calculations for a complete lighting system over the entire length of the I-55 at LA 22 interchange. BH responded to RFIs during the bidding phase and assisted with the review of lighting submittals, site inspections, and final site walkdown including development of punch lists during construction. The lighting design also included a smart IoT network and system design allowing the lamps and luminaries to be controlled and monitored using remote access software. This project was completed as a task order under a five-year electrical retainer contract. Electrical Engineer		
12/19 – 03/21	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. Electrical Engineer		

04/20 – Ongoing	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
07/13 – 01/15	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
08/18 – 09/21	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. BH is providing 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. Electrical Engineer



Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Joseph F. Mingo, PE	Years of relevant experience with this employer	9
Title	Civil Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0043700 / LA / Exp. 03/2024	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Structural Design / Roadway Lighting	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Mr. Mingo has more than 9 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.		
09/20 - 12/21	US 165 Roadway Lighting, LADOTD, Richland, 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. Currently providing construction services for this project. Project Engineer.		
04/17 - 09/21	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH provided 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. BH is also providing construction management services. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Recently completed construction services (CE&I) for this project. Project Engineer.		
12/20 - Ongoing	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.		
12/19 - Ongoing	MacArthur Interchange Completion PH. II, LADOTD, Jefferson Parish, 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 on the Westbank Expressway (US 90) in Harvey, Louisiana. Project Engineer.		
10/17 - 08/22	New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection.		

	Services include topographic survey, preliminary and final roundabout plans and specifications, electrical lighting design, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection. Project Engineer.
08/18 - Ongoing	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. BH is providing 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.
05/22 - Ongoing	I-20 544 Overpass Replacement, LADOTD, Lincoln Parish, 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 at the intersection of I-20 and LA 544 in Ruston, Louisiana. Project Engineer.
07/18 - Ongoing	Braud Road @ Germany Road Roundabout, Prairieville, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system for a new roundabout at the intersection of Braud Road and Germany Road in Ascension Parish. Project Engineer.
02/17 - 08/17	I-10 Off-Ramp and LA 182 J-Turn Improvements Lighting Evaluations, LADOTD, Baton Rouge, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, and calculations in conjunction with roadway improvements at the I-10 off-ramps and LA 182 J-turns in Lafayette, Louisiana. Project Engineer.
07/22 - Ongoing	Roddy Road @ LA 621 Roundabout, Prairieville, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system for a new roundabout at the intersection of LA 621 and Roddy Road in Ascension Parish. Project Engineer.



Firm employed by		 BUCHART HORN ENGINEERS - ARCHITECTS - PLANNERS	
Name	Robert G. Cramer, PE	Years of relevant experience with this employer	19
Title	Associate Vice President of Architecture	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / Civil Engineering / Pennsylvania State University MA / Business Administration / Pennsylvania State University	
Active registration number / state / expiration date		PE.046271E / PA / Exp. 09/2023	
Year registered	1994	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Structural Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
	Mr. Cramer has more than 33 years of experience in structural engineering design and project management for municipal, industrial, and institutional facilities. He has extensive experience on design-bid-build and design-build projects both as a design engineer and project manager.		
03/13 – 07/15	West Memphis Segment (Segment 5), Main Street to Main Street Multi-Use Trail, City of Memphis, TN. Survey, design, and plans preparation for the construction of a multi-modal trail in Crittenden County, AR. The trail will use existing pavement as a shared roadway/trail, under I-55 and onto Dacus Lake Road to its terminus at the west end of Harahan Bridge segment of the M2M trail. Included coordination with ArDOT and Union Pacific Railroad.		
01/21 – Ongoing	In-Depth Inspection of Blue Mountain and Kittatinny Tunnels, Stahl Sheaffer Engineering, LLC/Pennsylvania Turnpike Commission, PA. Routine inspection of the Blue Mountain and Kittatinny tunnels at Mileposts 197.48 and 198.5 on the PA Turnpike (I-76) in Franklin County. The inspection includes the tunnel bores, cross-passageways, and portal buildings and was conducted in accordance with National Tunnel Inspection Standards.		
07/17 – 09/22	New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans, and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection.		
04/11 – 06/13	Succinic Acid Plant Site Improvement Bid Packages, Myriant Technologies LLC, Port of Lake Providence, LA. Prepared bid plans and specifications according to LADOTD requirements for Succinic Acid Plant site improvements designed by others including boilers, cooling towers, foundations, water well, and utilities.		
02/01 – 04/08	Taxiway Yankee Extension, Memphis/Shelby County Airport, Memphis, TN. Preparation of alignment studies and final construction plans for a 7,500 by 100-foot extension of Taxiway Yankee and four intersecting taxiways.		
02/06 – 06/13	Allegheny Tunnel In-Depth Inspection and Rehabilitation, Pennsylvania Turnpike Commission, Somerset County, PA. In-depth inspection of all segments of the Allegheny Tunnel involving both tubes; cross-passageways; air ducts and portal buildings; and subsequent preparation of contract drawings and specifications, including electrical equipment specifications to rehabilitate eastbound and westbound tunnels in Stony Creek and Allegheny Townships.		

Firm employed by		 BUCHART HORN CORPORATION, L.P. 12114 ANDRE	
Name	Hugo A. Leiva, EI	Years of relevant experience with this employer	2
Title	Civil Engineer-in-Training	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		Bachelor of Science / 2018 / Civil Engineering	
Active registration number / state / expiration date		EIT #34035 / Louisiana / 09/30/2023	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Structural Design / Roadway Lighting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	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.		
06/20 – 04/23	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA. BH provided 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. BH is providing construction management services for installation of new highway lighting at the I-55 and LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Recently completed construction services (CE&I) for this project. Engineer-Intern.		
02/22-12/22	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-Intern		
03/22-05/22	I-20 LA 544 Overpass Replacement, LADOTD, Ruston, LA. BH is providing preliminary illumination layout, plans and cost estimate for the entire I-20 and LA 544 interchange. The Limits include from east and west on and off ramps to the north and south frontage roads and roundabouts. Engineer-Intern		
03/22-05/22	MacArthur Dr Interchange Completion Ph II, LADOTD, Jefferson Parish, LA. BH is providing design services for plans, specifications, special provisions, construction estimate, verification of preliminary illumination analysis, and engineering calculations for a complete highway lighting system for new and off ramps to eastbound US 90 from Peters Road to Manhattan Boulevard. Engineer-Intern		
10/19-06/20	US 165 Roadway Lighting, LADOTD, Richland, 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. Engineer-Intern.		



07/22 - Ongoing	Roddy Road @ LA 621 Roundabout, Prairieville, LA. BH is providing roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system for a new roundabout at the intersection of LA 631 and Roddy Road in Ascension Parish. Engineer-Intern.
04/21 – Ongoing	New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA. This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing 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. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval. Engineer-Intern.
01/21 – 08/22	New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and electrical lighting design. Engineer-Intern.
09/19 – 09/22	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.
12/20 - Ongoing	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.
06/21 – 12/21	Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive. Engineer-Intern
03/21 – 09/21	LA 3040 Corridor Improvements Study, LADOTD, Houma, LA. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Engineer-Intern.
08/21 – 09/21	West Metairie Avenue Restoration, Infinity Engineering Consultants/Jefferson Parish, LA. Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization. Engineer-Intern.

Firm employed by		 BUCHART HORN CONSULTING ENGINEERS	
Name	Jeffrey T. Kaminski, PE	Years of relevant experience with this employer	14
Title	Project Structural Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		Bachelor of Science / 2018 / Civil Engineering	
Active registration number / state / expiration date		PE.0039064 / LA / Exp. 09/2024; PE059800 / PA / Exp. 09/2023; 62868 / FL / Exp. 02/2025; 121348 / TN / Exp. 09/2024; 24GE04723000 / NJ / Exp. 04/2024	
Year registered	2014 (LA)	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities:		Structural Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Mr. Kaminski has 23 years of structural engineering design and consulting experience. He has been responsible for the design of various facilities, evaluation of the integrity of existing structures, and various product testing. His design work has involved the use of several building codes as well as varying levels of complexity with regards to seismic, wind, rain, snow, soil, liquid, people, vehicle, temperature, equipment, and blast loadings. Mr. Kaminski meets MPR No. 6.		
01/21 – Ongoing	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, structural 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. Professional Engineer.		
10/20 – Ongoing	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. Professional Engineer.		
03/20 – 10/22	I-110 at Terrace Avenue Ramp Lighting Design 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. Professional Engineer.		
07/17 – 09/22	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		

	<p>specifications for public bidding. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and electrical lighting design. Professional Engineer.</p>
<p>01/17 - Ongoing</p>	<p>West Metairie Avenue Restoration, Infinity Engineering Consultants, Jefferson Parish, Metairie, LA. BH provided services associated with concrete roadway panel replacements and canal stability improvements on West Metairie Avenue from David Drive to Roosevelt Boulevard in Jefferson Parish. BH conducted field visits to evaluate the condition of the existing concrete roadway and made recommendations for concrete panel improvements. Our staff provided engineering design, plans and construction plans for the replacement of failed panels. Upon recommendation by the Parish, BH designed replacement of drainage structures and repairs to the Canal to prevent future erosion. In conjunction with the replacement of the drainage structures, BH identified utility conflicts and made recommendations to resolve conflicts. This project includes plan and profile, suggested graphical grades, and suggested striping layout sheets. Services provided in support of prime consultant Infinity Engineering Consultants include bid assistance and construction management. Professional Engineer.</p>



Firm employed by		 BUCHART HORN <small>CONTRACTORS ENGINEERS ARCHITECTS</small>	
Name	Ismeta Jovicevic	Years of relevant experience with this employer	16
Title	Project Designer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		Associate of Science / Technical/Architectural Drafting	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Roadway Lighting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	Ms. Jovicevic has 25 years of experience in the production of design drawings. Having worked in our Frankfurt, Germany and York, PA offices, she has provided drafting services for BH projects both in Europe and the US. Her duties include the development and transformation of design information and site-gathered data into project deliverables, coordination of documents among the various disciplines, and packaging of the deliverables. She is skilled in AutoCAD 3D, Visual, and MicroStation.		
06/11 – 08/18	LA 942 Street Lighting Design and Permitting, Ascension Parish, Darrow, LA. BH and a subconsultant provided a topographic survey of all existing utility poles along 0.8 miles of LA 942 between LA 22 and Kramer Road in Darrow, LA. BH performed multiple photometric analyses to provide a benefit cost analysis comparing the use of existing utilities to relocated facilities for the proposed lighting system. After each photometric design was completed, a constructability review meeting was conducted with Entergy. Several iterations were designed due to the Mississippi River and levee located parallel to LA 924. Upon confirmation with Entergy on the feasibility and constructability review, the photometric report was completed. Entergy and the Parish have the completed photometric report and design drawings depicting the LADOTD approved design. At this time, no permits were submitted and obtained through LADOTD. Entergy is in the permitting phase with the USACE and Levee District. BH successfully completed the photometric report; design drawings; and coordination efforts among LADOTD, Ascension Parish, and Entergy for the submission of the utility permit and the supplemental Certification for Permit Lighting for approximately 0.8 miles of state roadway lighting. A topographic survey and field inspection was performed with Visual software to conduct several photometric analyses. The existing lighting system was modeled, proposed utility poles and luminaires were added, and the design was completed and approved by LADOTD. Entergy designed the lighting layout using Buchart Horn's photometric analysis and lighting design. Project Designer.		
11/15 – 11/22	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. A construction cost estimate was prepared and BH also provided construction administration services. Stakeholders involved in the project were the City of Kenner,		

	<p>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.</p>
03/20 - Ongoing	<p>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. Project Designer</p>
12/20 - Ongoing	<p>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</p>
07/22 - Ongoing	<p>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. Project Designer</p>
05/18 – 11/22	<p>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. Project Designer</p>

Firm employed by		 BUCHART HORN <small>CONSULTING ENGINEERS</small>	
Name	Tyler E. Bos, EI	Years of relevant experience with this employer	1
Title	Electrical Engineer-in-Training	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		Bachelor of Science / 2020 / Electrical Engineering	
Active registration number / state / expiration date		ET030511 / PA / 06/2023	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Lighting	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
	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.		
03/22 – 11/22	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. 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 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		
03/22 - Ongoing	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		
03/22 - Ongoing	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		
07/22 - Ongoing	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. Project Designer
06/22 – 06/22	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





Firm employed by		 BUCHART HORN CONSULTING ENGINEERS		
Name	Kenneth L. Gunn, EIT		Years of relevant experience with this employer	17
Title	Construction Services Technician		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			Bachelor of Science/1982/Civil Engineering/Mississippi State University	
Active registration number / state / expiration date			Engineer Intern: MS, Work Zone Traffic Control - Flagging	
Year registered	1982	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Construction Support/Inspection	
Experience dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
	Mr. Gunn has more than 36 years of diverse experience in roadway and highway construction, including more than 14 years of experience in working for county and state agencies. Kenny’s area of expertise is bridge and structural construction. He is knowledgeable in all aspects of roadway and highway construction, and is able to communicate well with contractors and design professionals. His construction phase experience includes pre-construction and progress meetings, schedule review, construction documentation and monitoring, change order negotiations, application for payment processing, system startup and testing, and project closeout.			
10/13 – 07/17	I-40/I-240 East Interchange Construction Engineering and Inspection and Engineering Support Services, Smith Seckman Reid, Inc./TDOT, Shelby County, TN. Structures Senior Inspector responsible for providing constructability reviews and project construction inspection. Provided bridge/structural inspection for this \$109 million interchange modification project, at the time, the largest single bid project in TDOT’s history. BH services also included responding to Requests for Information from the contractor and assisting with public outreach			
06/09 – 07/13	SR 14 Construction Engineering Inspection Services, TDOT, Tipton County, TN. Structures Senior Inspector responsible for managing all inspection personnel. Provided construction and material inspection for all phases of construction, earthwork, aggregates, asphalt, concrete, structures, pile driving, and bridges. Provided personnel to act as TDOT on-site construction managers, administrators, surveyors, and inspectors for four miles of improvements to SR 14, an arterial highway connecting smaller communities in Tipton County to the Memphis area.			
07/17 – 05/19	Construction Engineering and Inspection for Old Brownsville Bridge Rehabilitation, City of Bartlett, TN. Structures Senior Inspector responsible for providing contract and construction management, construction inspection and record keeping, project final records, and project closeout. Services provided in accordance with Local Government Guidelines for the Management of Federal and State Funded Transportation Projects.			
01/19 – 02/20	CEI for Poplar Avenue Bridges of I-240, Phase II, Smith Seckman Reid, Inc./TDOT, Memphis, TN. Structures Senior Inspector assisting with inspection services for the Poplar Avenue, Norfolk Southern Railroad, and Park Avenue bridges over I-240 in east Memphis, which had structural deterioration and deficiencies that need to be addressed.			
12/17 – 11/18	Construction Engineering and Inspection Services for Bridges over I-240, TRC/TDOT, Memphis, TN. Structures Senior Inspector assisting with inspection services for the Poplar Avenue, Norfolk Southern Railroad, and Park Avenue bridges. Services are provided in support of prime consultant TRC.			



Firm employed by: Civil Design & Construction, Inc. (CD&C)			
Name	Karla E. Weston, PE	Years of relevant experience with this employer	18
Title	President	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	Bachelor of Science / 1999 / Civil Engineering		
Active registration number / state / expiration date	31010 / Louisiana / March 31, 2024		
Year registered	2004	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities	CD&C Principal-In-Charge, QA/QC		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mrs. Weston will oversee the firms’ role as a sub-consultant and make sure the work is completed to LADOTD standards.			
02/16 - 09/19	H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA: Mrs. Weston’s served as Principal-in-Charge for the firm’s role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.		
12/13 – 10/19	H.02960 Gramercy Bridge, St. James Parish, LA: Mrs. Weston served as Principal-in-Charge for the firm’s role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project		
02/14 - 02/15	H.010620 I-49 Design Build, Lafayette, LA: Mrs. Weston provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.		
05/13 – 05/14	H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA: Mrs. Weston served as Principal-in-Charge for the firm’s role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.		
01/06 – 12/12	EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA: Mrs. Weston served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11’ lands with a 2’ barrier curb and gutter, and a 6’ adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.		
03/12 – 07/12	H.009104.5 - Sunshine Bridge Phase 2: Ms. Weston served as Project Manager and Engineer for CD&C’s portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.		
05/11 – 04/12	Red River – Jackson Street Bridge, Alexandria, LA: Ms. Weston served as Project Manager and Engineer for CD&C’s portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project.		




	CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.
06/12 – 10/12	H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33: Ms. Weston served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
12/11 – 04/12	H.005902.5 - Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29: Ms. Weston served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	Picardy Avenue Extension–City/Parish of East Baton Rouge: Mrs. Weston served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as well as subsurface drainage design for approximately ½ mile.

Firm employed by: Civil Design & Construction, Inc. (CD&C)				
Name	Ralph D. Burgess, PLS	Years of relevant experience with this employer	12	
Title	Principal Land Surveyor	Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization		Bachelor of Science / 2004 / Industrial Design & Supervision		
Active registration number / state / expiration date		5040 / Louisiana – September 30, 2024		
Year registered	2010	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities		Survey/SUE Manager		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<p>Mr. Burgess serves as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms’ deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning. Mr. Burgess meets MPR No. 8.</p>				
10/20 – 01/21	H014302 US 165 Lighting, Monroe, LA: Mr. Burgess served as the Survey Manager on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.			
09/21 – 03/22	H.014747 Southern University Ravine Protection, East Baton Rouge Parish: Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning. Mr. Burgess worked with SUE sub-consultant, TBS, as well as CD&C crews to obtain and incorporate all utility data as well.			
08/21 – Ongoing	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Burgess was the Survey Manager for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.			
07/17 - 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.			
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Burgess served as Survey Manager for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.			

07/20 – 04/21	H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish: Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18 - 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
07/17 - 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16 - 08/16	H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15 - 12/18	H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals
08/16 - 12/17	H.011235 I-49 South at Verot School Road, Lafayette, LA: Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07/14 - 10/15	H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.
04/17 - 07/17	H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA: Mr. Burgess served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.


Firm employed by: Civil Design & Construction, Inc. (CD&C)					
Name	Christopher L. Ballard, PLS	Years of relevant experience with this employer	8		
Title	Survey Project Manager	Years of relevant experience with other employer(s)	19		
Degree(s) / Years / Specialization	Bachelor of Science / 2004 / Biological Science				
Active registration number / state / expiration date	5033 / Louisiana – September 30, 2022				
Year registered	2010	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities	Surveying				
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
<p>Mr. Ballard serves as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms’ deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning. Mr. Ballard meets MPR No. 8.</p>					
09/18 - 01/20	<p>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Ballard is the Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500’ for control verification and incorporation of the Mobile Lidar for the I-10 pavement.</p>				
04/17 - 07/17	<p>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA: Mr. Ballard served as the firms Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.</p>				
02/19 - 09/19	<p>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA: Mr. Ballard is serving Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA’s policies and procedures.</p>				
01/17 - 12/17	<p>East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA: In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.</p>				


10/16 - 11/16	H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA: Mr. Ballard served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 -09/17	H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA: Mr. Ballard served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 - 12/18	H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA: Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 - 08/16	H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Mr. Ballard served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included processing of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized 3D Terrestrial Scanning for the main route.
10/15 - 01/16	H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA: Mr. Ballard served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA: Mr. Ballard worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning.

Firm employed by: Civil Design & Construction, Inc. (CD&C) 			
Name	Madison Mills, PLS	Years of relevant experience with this employer	1+
Title	Survey Project Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		Bachelor of Science / 2004 / Biological Science	
Active registration number / state / expiration date		PLS 5293 / Louisiana / 03/31/2025	
Year registered	2020	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		Surveying	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Mills joined CD&C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.			
08/22 – Ongoing	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.		
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.		
09/21 – 03/22	H.014747 Southern University Ravine Protection, East Baton Rouge Parish: Mr. Mills served as a Survey Technician for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University The topographic data for this project was collected both traditionally and utilizing 3D Scanning.		
08/21 – Ongoing	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Mills served as a Survey Tech for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.		
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Mills served as a Survey Tech for the project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.		



02/21 – 07/22	H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	H.013955 LA 961 Bride at Sandy Creek, West Feliciana Parish, LA: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 – 07/22	H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
07/21 – 11/21	H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
02/21 – 05/21	H.010108 Safe Routes to Schools – Independence Sidewalks, Baton Rouge, LA: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
07/21 – 12/21	H.0014560.5 LA 94 Vermillion River, St. Martin Parish, LA: Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.


Firm employed by: Civil Design & Construction, Inc. (CD&C) 			
Name	Bradley Jacobs, EI	Years of relevant experience with this employer	1
Title	Engineering Intern	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	Bachelor of Science / 2004 / Biological Science		
Active registration number / state / expiration date	No. 0032456 / Louisiana / 09/30/2023		
Year registered	2015	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities	Surveying		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Jacobs will process field crew data and finalize deliverables.			
08/22 – Ongoing	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Jacobs is working as a Survey Technician this Louisiana Watershed Initiative project. He has been responsible for processing field data and creating punch-lists for field crews. CD&C is a sub-consultant on this project.		
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Jacobs is working as a Survey Technician this Louisiana Watershed Initiative project. He has been responsible for processing field data and creating punch-lists for field crews. CD&C is a sub-consultant on this project.		
01/15 – 05/15	Albany Annex - Worked on the boundary survey for extending the town limits of Albany, Louisiana. Mr. Jacobs went to the courthouse and did title research for the properties that were obtained for the annex. He set the new boundary lines for the new town limits. He also drew the map showing the boundary of the properties that were obtained.		
06/15 – 06/19	Pecue Lane - Worked on Right of Way maps and the Traverse Control Sketch. For the Right of Way maps, Mr. Jacobs set where the monuments will be in the office. He also calculated the bearings and distances between each right of way monument. He also wrote the legal descriptions for the Right of Way and verified that it matches the maps, and created the control sketch based off the traverse. All drawings were created up to DOTD Standards.		
06/15 – 07/15	Essen Lane Control - Worked on Right of Way maps in the office and helped set monuments in the field. Mr. Jacobs set the points for all the right of way monuments in the office and then went to the field to assist the crews in staking out and setting the monuments		
04/21 – 05/21	Jefferson and Corporate Interchange Survey - Created the GPS control sketch that shows the traverse for the survey.		
06/21 – 06/21	Pollard Branch - Wrote the legal descriptions for three different tracts. The legal descriptions reflected the overall boundary survey maps. Topographic Surveys		
06/14 – 07/14	I-12 to Bush – Mr. Jacobs worked as a rodman, cutting cross sections every 100 feet for road improvements and did a topographic survey using total stations.		

Firm employed by: Civil Design & Construction, Inc. (CD&C) 				
Name	Trent Norris		Years of relevant experience with this employer	9
Title	Senior Technician		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Surveying		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Norris serves as the firm’s 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal. Mr. Norris holds certifications in NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963, and ATSSA Traffic Control Supervisor, Technician & Flagger.				
10/20 – 01/21	H014302 US 165 Lighting, Monroe, LA: Mr. Norris served as the lead Survey Technician on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.			
01/18 – 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Norris was the #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.			
07/17 – 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Norris served as the firm’s 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.			
04/17 – 07/17	H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA: Mr. Norris served as the firm’s 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.			
08/16 – 01/18	H.011235 I-49 Verot School Road, Lafayette, LA: Mr. Norris served as the firm’s 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.			
10/16 – 10/16	H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA: Mr. Norris served as the firm’s 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.			


10/15 – 12/18	H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA: Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.
01/16 – 07/16	H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them through TopoDot to put into InRoads.


Firm employed by: Civil Design & Construction, Inc. (CD&C)				
Name	Scott Benton		Years of relevant experience with this employer	6
Title	Senior Technician		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Surveying		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Benton serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction. Mr. Benton holds a certification as an ATSSA Traffic Control Supervisor, Technician & Flagger.				
10/20 – 01/21	H014302 US 165 Lighting, Monroe, LA: Mr. Benton served as the firm’s lead 3D Scanning Technician on this lighting project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.			
12/19 – 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Benton served as a 3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.			
03/14 – 06/14	H.008369 Cleo Road Roundabout, St. Tammany Parish, LA: Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.			
05/13 – 07/13	H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.			
02/13 – 06/13	H.005693 LA 447, Walker, LA: Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C’s responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.			


10/14 – 12/14	H.011088.5 West Prien Lake, Lake Charles, LA: Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA: Mr. Benton served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting necessary topographic data from them through TopoDot to put into InRoads.

Firm employed by: Civil Design & Construction, Inc. (CD&C) 			
Name	Phillip Dupree	Years of relevant experience with this employer	11
Title	Survey Party Chief	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Surveying	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Dupree is the Senior Survey Party chief who will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately. Mr. Dupree holds certifications as a NSPS Certified Survey Technician, Level III, Boundary Cert. No. 0799-1106 Nationwide; ATSSA Certified as Registered Flagger, and ATSSA Certified Traffic Control Tech & Traffic Control Supervisor.			
07/20 – 04/21	H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish: Mr. Dupree was the Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.		
01/18 - 02/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Dupree is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.		
07/17 - 12/18	H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA: Mr. Dupree is serving as Field coordinator on this project by working specifically to set the control on the job and overseeing field crews as they work to complete the topography.		
10/15 - 12/18	H.011235 I-49 South at Verot School Road, Lafayette, LA: Mr. Dupree served as Field coordinator on this project. He resurrected the original control set on the project and oversaw the checking of it. Mr. Dupree was the field coordinator with the R/R and also the SUE contractor on the project. He oversaw all field crews and ensured that the project was completed accurately and timely.		
01/16 - 08/16	H.005733.5 US 190 Superstreet, St. Tammany Parish, LA: Mr. Dupree served as Field coordinator on this urban roadway topography project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule.		
10/16 - 11/16	H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA: Mr. Dupree served as Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River.		


	Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.
07/14 - 10/15	H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA: Mr. Dupree served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13 - 07/13	H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA: Mr. Dupree served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14 - 12/14	H.011088.5 West Prien Lake, Lake Charles, LA: Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14 - 03/17	H.010620 I-49 Design Build: Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Mr. Dupree also was the lead Party Chief for the property surveys on this project.


Firm employed by: Civil Design & Construction, Inc. (CD&C) 				
Name	Jason Stoehr		Years of relevant experience with this employer	5
Title	Survey Party Chief		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Surveying		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods. Mr. Stoehr holds a certification as an ATSSA Traffic Control Technician, Flagger.				
08/22 – Ongoing	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Stoehr is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.			
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Stoehr worked as Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.			
07/20 – 04/21	H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish: Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.			
01/18 - 01/20	H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA: Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.			
07/17 - 12/18	H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA: Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.			
08/16 - 01/18	H.011235 I-49 Verot School Road, Lafayette, LA: Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.			
02/19 - 09/19	Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA: Mr. Stoehr served as a Jr. Party Chief this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA’s policies and procedures.			
07/17 – 12/18	H.003184.5 I-10 Texas State Line East of Coone Gully: Mr. Stoehr served as an instrument man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.			

Firm employed by: Civil Design & Construction, Inc. (CD&C) 			
Name	Alex Wells	Years of relevant experience with this employer	3
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Surveying		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Wells joined CD&C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures. Mr. Wells holds a certification as an ATSSA TCS, TCT, Flagger.			
09/21 – 03/22	H.014747 Southern University Ravine Protection, East Baton Rouge Parish: Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
08/21 – Ongoing	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
09/22 – 01/23	(Proj# Not Available) BRMA Northwest Aviation Development: Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
07/20 – 10/21	H.013989 Greybow Rd. Palmetto Creek: Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
07/20 – 04/21	H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish: Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.		
02/21 – 05/21	H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA: Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
10/20 – 01/21	H014302 US 165 Lighting, Monroe, LA: Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.		

Firm employed by: Civil Design & Construction, Inc. (CD&C) 				
Name	Clarence J. Goodspeed		Years of relevant experience with this employer	1
Title	Utility Coordinator		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Subsurface Utility Engineering		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Goodspeed has 30 years’ experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and his knowledge of reading multiple utility companies prints and understanding of how their systems are installed makes him a great asset to managing CD&C’s SUE department.				
09/22 – 01/23	(Proj# Not Available) BRMA Northwest Aviation Development: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.			
03/22 – Ongoing	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.			
03/22 – 09/22	H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.			
01/99 – 01/00; 01/01 – 12/03; 01/12 – 04/12; 01/13 – 03/22	BHA Engineering: Damage prevention tech (Underground Locator) contracted to Demco Electric to locate their underground facilities.			
01/00 – 12/00	Wave Tech Geophysical Engineering: Conducted SUE work, vacuum excavation, ground penetrating radar, road pavement GPR, leak detection, researching utility prints, and conducting locates on military facilities and airports.			

07/06 - 12/06	Bron Construction: Assisted in maintenance, and new construction of Entergy Electric underground and some overhead lines.
12/03 – 07/06	UtiliQuest LLC: Supervisor, Damage Investigator, State Claims Manager, and Operations Manager. Also, took part in negation of contracts.
04/12 - 12/12	Fibore: Filled in as supervisor for burying Charter Communication service drop crews, installation of main and service drops with directional boring rig, assisted in settling property damage claims, and assisted in pointy of contact with Charter Construction personal.

Firm employed by: Civil Design & Construction, Inc. (CD&C) 				
Name	Tracey Smith		Years of relevant experience with this employer	1
Title	Utility Coordinator		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Subsurface Utility Engineering		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Smith has over 24 years’ experience in underground utilities. Mr. Smith has worked in the gas field for 3 years and spent 19 years performing various underground utility locations and serving as a supervisor for a number of locate technicians.				
09/22 – Ongoing	(Proj# Not Available) BRMA Northwest Aviation Development: Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.			
05/22 – Ongoing	H.011833.5 St. Mary Street Sidewalks; Scott, LA: Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.			
05/22 – 09/22	H.010960.5-2 Roundabouts at LA 182, Lafayette, LA: Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.			
01/11 – 12/21	USIC: Mr. Smith served as a utility claims adjuster for damages for 10 years.			
01/00 – 1/11	Utilquest: Mr. Smith served as the lead supervisor in charge of day to day operations for damage utility technicians performing underground utility locations of various utilities.			
01/98 – 01/00	Sprint: Mr. Smith was a damage prevention technician for various communication utilities.			

Firm employed by: Civil Design & Construction, Inc. (CD&C) 				
Name	Drennon Humphreys		Years of relevant experience with this employer	2
Title	Survey Party Chief		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Surveying and Subsurface Utility Engineering		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Humphreys will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.				
08/22 – Ongoing	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3: Mr. Humphreys is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.			
01/21 – 06/21	H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA: Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.			
02/21 – 05/21	H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek, Allen Parish, LA: Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.			
02/21 – 01/22	Move BR: Lee Drive – Highland Rd. to Perkins Rd., Baton Rouge, LA: Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 1.8 mile road improvement project as part of the Move BR infrastructure initiative.			
04/21 – 12/21	Move BR: Hennessy Blvd. –Perkins Rd. to Picardy Ave., Baton Rouge, LA: Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 0.4 mile road improvement project to create an underpass at the R/R crossing. This project is a part of the Move BR infrastructure initiative.			
01/22 – 11/22	4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2: Mr. Humphreys is working as an Instrument Man and now a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.			
01/22 – 05/22	H.013956 Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA: Mr. Humphreys served as an Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.			



Firm employed by: Gresham Smith <small>Gresham Smith</small>				
Name	Christina Florez, PE		Years of relevant experience with this employer	7
Title	Senior Electrical Engineer		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			Bachelor of Science / 2001 / Electrical Engineering	
Active registration number / state / expiration date			PE.0038799 / LA / Exp. 9/30/24 PE 65603 / FL / Exp. 2/28/25	
Year registered	2014 (LA) 2007 (FL)	Discipline	Professional Engineer, Electrical and Computer	
Contract role(s) / brief description of responsibilities.			Roadway Lighting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Ms. Florez will support the lighting design tasks for this contract. Ms. Florez meets MPR Nos. 4a & 4b.				
04/21 – Ongoing	LCG Johnston Street Lighting, Lafayette, LA Project Manager. Gresham Smith was selected by Lafayette Consolidated Government to develop design plans for street lighting for the 2.3 miles section of Johnston Street (US 167) through Vermillion and Lafayette Parishes. LADOTD has a J-Turn project that is currently removing the street lighting within the median of Johnston Street. Christina managed this project and performed the on team QA/QC of the voltage calculations and plans.			
03/21 – Ongoing	East Baton Rouge Parish, Jefferson at Bluebonnet, Baton Rouge, LA Senior Electrical Engineer. Gresham Smith was selected as part of a team to perform the traffic design report and lighting design portions of the Jefferson Highway at Bluebonnet Boulevard study in Baton Rouge, Louisiana. The goal of the traffic design report is to collect data at the study intersection, perform capacity analyses of existing and future traffic volumes and develop alternatives for improved capacity. The lighting analysis will be performed to provide a design to relocate existing lighting to accommodate proposed roadway improvements at the intersection. Christina oversaw the lighting analysis and design portion of the project.			
02/18 – 06/19	FDOT, I-95 (Moncrief Creek) to SR 111 Lighting Plans, Jacksonville, FL Senior Electrical Engineer. Gresham Smith provided lighting, traffic signal, and signing and pavement marking design for I-95 from Moncrief Creek to north of Edgewood Avenue in Jacksonville, Florida. The design included lighting upgrades along I-95 including two interchanges, plus pedestrian lighting and traffic signal installation and upgrades requiring fiber interconnect at the ramp intersections with Norwood Avenue. The reconfigured design removed, replaced, and added luminaries to the existing system. Christina oversaw the engineering calculations on the new design to ensure compliance with NEC and FDOT specifications and performed QAQC.			
12/15 – 02/16	Georgia Department of Transportation (GDOT), East-West 1 Way Pair from West of NS#718408k to East of Hendry Street, Henry County, GA Engineer. Gresham Smith was tasked with the lighting design, including photometrics, for a roundabout at the intersection of Doris Street and Jonesboro Road. Christina was the engineer of record for the lighting plans.			



01/19 – 02/20

Louisville Metro Public Works, River Road Multimodal Improvements, Louisville, KY | Senior Engineer. The Gresham Smith team completed a study recommending improving lighting and place making along this section of the Louisville Loop, taking advantage of the river views and creating a linear urban park connection between downtown Louisville, Waterfront Park, and the Belle of Louisville. Gresham Smith designed the lighting system for the proposed expanded pedestrian pathway as well as the architectural flood lighting system to illuminate the underdeck of I-65 which runs above River Road. Christina oversaw the performance of photometric analysis, designing the power and control systems, and producing lighting layout and detail plans.



Firm employed by: Gresham Smith		Gresham Smith	
Name	Julian Bordelon, PE	Years of relevant experience with this employer	5
Title	Electrical Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		Bachelor of Science / 2018 / Electrical Engineering	
Active registration number / state / expiration date		PE.0047473 / LA / Exp. 9/30/23	
Year registered	2023 (LA)	Discipline	Professional Engineer, Electrical
Contract role(s) / brief description of responsibilities.		Roadway Lighting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Bordelon will lead the Electrical Inspection tasks. Mr. Bordelon meets MPR No. 4b.			
04/21 – Ongoing	LCG Johnston Street Lighting, Lafayette, LA Electrical Engineer Intern. Gresham Smith was selected by Lafayette Consolidated Government to develop design plans for street lighting for the 2.3 miles section of Johnston Street (US 167) through Vermillion and Lafayette Parishes. LADOTD has a J-Turn project that is currently removing the street lighting within the median of Johnston Street. Julian assisted with the photometric analysis and the plan development.		
09/20 – Ongoing	MDOT, 2020 RWD, WA #1, Meridian Lighting and ITS, Meridian, MS Electrical Engineer Intern. This work assignment (WA) is under an existing MDOT RWD master contract. Gresham Smith is providing services including Light Pole inspection, Phase A Lighting and ITS plans, Systems Engineering Analysis Report, Design/Build document setup, and D/B Construction Administration support. Julian assisted with the lighting inspection and design plans for this project.		
09/21 – Ongoing	LADOTD, SRTS/LRSP Task Order #2 Bonner Street Design, Ruston, LA Electrical Engineer Intern. This is a task order under our current SRTPPP retainer contract in the Fall of 2021. This project will provide safety enhancements for pedestrians at the E Railroad Ave/Bonner St and E Park Ave/Bonner St intersections. This project contains pedestrian lighting design to be added to the existing ped facilities on both sides of the Bonner Street Bridge. Pedestrian push buttons will be installed at the crossing locations which will activate flashing beacons at the top of the bridge to alert approaching motorists that pedestrians are crossing. Julian assisted with the photometric analysis and the plan development.		
12/18 – Ongoing	TDOT, ITS Design Support Services WO#7: I-40 Nashville ITS Expansion, Nashville, TN Electrical Engineer Intern. Gresham Smith is developing design plans, including power design, fiber optic communications, radar detectors, DMS, CCTV, and DSRC radios. Julian is assisting with the electrical design, voltage drop calculations and design plans.		
12/18 – Ongoing	TDOT, ITS Design Support Services WO#8: Cumberland Plateau I-40 ITS Expansion, Cookeville, TN Electrical Engineer Intern. This project consists of approximately 38 miles of ITS fiber and devices, including new fiber optic, network hubs, radar detection sensors, dynamic message signs, road weather information sensors and closed circuit TV cameras. Julian is assisting with the electrical design, voltage drop calculations and design plans.		

Firm employed by: Gresham Smith		Gresham Smith	
Name	Daniel Knott	Years of relevant experience with this employer	7
Title	Senior Inspector	Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Construction Support/Inspection	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Knott will support the field inspection and investigation and testing/QA tasks. Mr. Knott holds the following certifications/registrations: IMSA / Traffic Signal Field Technician Level II, IMSA / Fiber Optics Level II, Light Brigade / Fiber Optic Design, Installation, and Maintenance, NFPA 70E (NEC) 2023. Mr. Knott meets MPR No. 7.			
3/18 – 9/21	LADOTD, ITS CEI Retainer, Signal Communications Upgrade Phase 1, CEI, Various, LA Senior Inspector. Daniel was responsible in leading the daily field CE&I inspections, logging in the dailies, and ensuring project requirements were followed.		
12/17 – Ongoing	MDOT, ITS CEI, US 49 from Florence to Scale Area, Florence, MS Designer. Gresham Smith is providing construction administration and inspection services on the ITS elements included in the US 49 from Florence to the Scale Area Project. Daniel is responsible in leading the daily field CE&I inspections, logging in the dailies, and implementing project requirements.		
1/19 – Ongoing	LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA Senior Inspector. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Daniel assisted with construction inspection.		
5/17 – Ongoing	LADOTD, ITS Design and Implementation, WO#6: Fiber Optic Mapping and Management, Tangipahoa, St. Tammany, St. John and Orleans Parishes, LA Designer. Daniel was responsible for drafting updates onto the master database.		
12/18 – Ongoing	Lafayette Consolidated Government (LCG), Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA Designer/Senior Inspector. Daniel supported field verification of LCG’s TSI, design plans for adaptive signal control intersections, and integration when the system is completed.		
5/17 – 11/18	MDOT, 2015 ITS WA#1: Desoto County CMAQ CEI, Inspection, MS Resident Project Representative. Daniel was responsible for daily construction inspection of installation of approximately 50 miles of fiber optic cable and equipment, DMS signs, CCTV cameras, RDS equipment and BDS equipment.		





Firm employed by: Gresham Smith		Gresham Smith	
Name	John Weres, PE	Years of relevant experience with this employer	6
Title	Senior Inspector	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization		Bachelor of Science / 1980 / Civil Engineering	
Active registration number / state / expiration date		PE.0036429 / LA / Exp. 9/30/2023 Inspection of Ancillary Structures (NHI 130087) / NHI / N/A	
Year registered	2011	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities.		Structural Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Weres will lead structural design tasks. Mr. Weres meets MPR No. 6.			
8/15 – 11/18	LADOTD, ITS Design & Implementation WO# 4: H.011503 – I-10 Twin Span ITS, Slidell, LA Lead Structural Engineer. Gresham Smith was selected to develop design plans along with specifications and cost estimates for the eight-mile I-10 Twin Span ITS project. Involves ITS equipment retro-fit along the corridor utilizing existing fiber, electrical systems, cabinets, camera poles, a Digital Message Sign (DMS) pole, a communications hut and a bridge health system. John was responsible for the structural analysis required for the new 60’ camera poles to be installed on existing foundations on the bridge, design of the platforms and handrails, and for the foundation, support pole and butterfly truss, the 1st of its kind in Louisiana.		
04/15 – 03/17	LADOTD, I-49 Lafayette Connector, Lafayette, LA Deputy Lead Structural Design Engineer. Served as Deputy Lead Structural Design Engineer for the concept design for a 4-mile long elevated structure through an urban area. Structure concepts included post-tensioned concrete U-girders, span-by-span segmental boxes, and steel trapezoidal boxes. John coordinated the efforts of the individual design teams for each structure type and served as the public coordination lead for the structures as part of an overall community involvement plan on developing the proposed structure type for this \$800M project.		
06/15 – 03/17	LADOTD, State Project No. H.004367.5 – Earhart Expressway Connector, Metairie, LA Deputy Project Manager, Lead Structures Engineer. Preliminary and final design for a 7,000-foot urban expressway structure as part of the Earhart Expressway to Airline Highway Connector project. Preliminary design activities included survey, SUE, development of design criteria, development of bridge typical sections and development of proposed span arrangements and coordination with CN Railroad for the placement of bridge piers within the railroad right-of-way.		
02/22 – Ongoing	MDOT, 2020 RWD, WA #1, Meridian Lighting and ITS, Meridian, MS Lead Structures Engineer. Gresham Smith was contracted to provide Phase A design services to develop Lighting and ITS plans along I-59 within Meridian City limits and related Design-Build documentation for the I-59/I-20 Design-Build bridge widening project. John provided QC services for the inspection and report.		


02/22 – Ongoing	LADOTD, I-10 Calcasieu River Bridge Design-Build, Lake Charles, LA Project Manager. Gresham Smith is a subconsultant to Parsons providing ITS and traffic services for this design-build project to maintain the I-10 Calcasieu River Bridge Public-Private Partnership (P3) Project (the “P3 Project”) in Calcasieu Parish. Gresham Smith was responsible for the preliminary design of 4-miles of interstate lighting, including high-mast and conventional poles, ITS system design, traffic control and TMP, signing and the structural components of the lighting, ITS, signing and signals. Bridge aesthetic lighting was also included in the preliminary design.
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Firm employed by: Gresham Smith		Gresham Smith	
Name	Courtney Rome, PE	Years of relevant experience with this employer	6
Title	Structural Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		Bachelor of Science / 2009 / Civil Engineering	
Active registration number / state / expiration date		PE.0043355 / LA / Exp. 9/30/23	
Year registered	2019	Discipline	Professional Engineer, Civil
Contract role(s) / brief description of responsibilities.		Structural Design	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
Mr. Rome will support structural design tasks. Mr. Rome holds the following certifications: NHI 130055 – Bridge Inspection Team Leader and NHI 130078 Fracture Critical Insp. Techniques; SPRAT Level 1 Rope Access Technician. Mr. Rome meets MPR No. 6.			
05/19 – 04/22	LADOTD, Local Road Safety Program – West Feliciana Parish, LA Bridge Engineer. Courtney provided recommendations for standard plans and details to be incorporated for the proposed bridge railing replacements. Courtney performed preliminary site inspection and ball bank testing. Courtney coordinated RFI and standard drawing modifications.		
04/20 – 08/20	LADOTD, Task Order 2, US 71 Spring Street Emergency Repairs, Shreveport, LA Design Engineer. Following the train derailment that damaged the steel bent for the US 71 Spring Street Bridge, Gresham Smith was selected to evaluate the structure and design the emergency repairs. Courtney led the substructure design elements including the temporary shoring to support the railroad loads and for the crash wall and helical piles.		
06/19 – 06/20	MDOT, I-55 W Frontage Road (Southbound C-D Road over Soldier Colony Road) Bridge Preservation, Madison County, MS Bridge Engineer. Courtney provided details for the end wall removal and the proposed new end wall at the bridge abutment. Joint repair details were provided as well. Courtney provided substructure loads to the geotechnical Engineer for foundation recommendations.		
07/18 – Ongoing	MDOT, MS-149 Simpson County Bridges, Simpson County, MS Bridge Engineer. Courtney performed final design calculations including Leap Bridge Design for FIB girders for multiple span designs for two of the four bridges. Courtney prepared the bridge plan sheets for two structures including all deck, beams, and foundations. Courtney led Gresham Smith’s development of design and details for MDOT’s first use of partial depth concrete deck panels, to accelerate construction and improve safety.		
02/20 – 08/21	TDOT, Alcoa Greenway Bridges (City of Alcoa, TN) Bridge Engineer. Courtney served as bridge designer for multiple structures including, conversion of an existing steel railroad trestle into a multi-use trail structure, construction of a new precast concrete arch structure on elevated retaining walls to carry the proposed trail over a new roadway, and the rehabilitation of two existing concrete arches to carry the trail over new roadways. These bridges included trail lighting, structure mounted poles and electrical services.		
02/22 – Ongoing	MDOT, 2020 RWD, WA #1, Meridian Lighting and ITS, Meridian, MS Bridge Engineer. Gresham Smith was contracted to provide Phase A design services to develop Lighting and ITS plans along I-59 within Meridian City limits and related Design-Build documentation for the I-59/I-20 Design-Build bridge widening project. Courtney served as a Team Leader for the field inspection.		

17. Firm Experience:


Firm name	 BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	New Lighting Design and Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.		Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.012874.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Ponchatoula, LA		Owner's Project Manager	Agnes Fung, PE
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Agnes.Fung@LA.gov			
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost (\$1,000's)	\$245	
Services completed by this firm (mm/yy)	04/23	Cost of consultant services provided by this firm (\$1,000's)	\$200	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: BH developed plans, specifications, special provisions, a construction estimate, illumination analysis, and engineering calculations for a complete lighting system over the entire length of the I-55 at LA 22 interchange. BH responded to RFIs during the bidding phase and assisted with the review of lighting submittals, site inspections, and final site walkdown including development of punch lists during construction. The lighting design also included a smart IoT network and system design allowing the lamps and luminaries to be controlled and monitored using remote access software. This project was completed as a task order under a five-year electrical retainer contract.

Firm Members Involved: Jimmy Dickerson, Kevin Gaspard, Sherry Wolfe, Joseph Mingo, Steven Moore, Karren Atchison

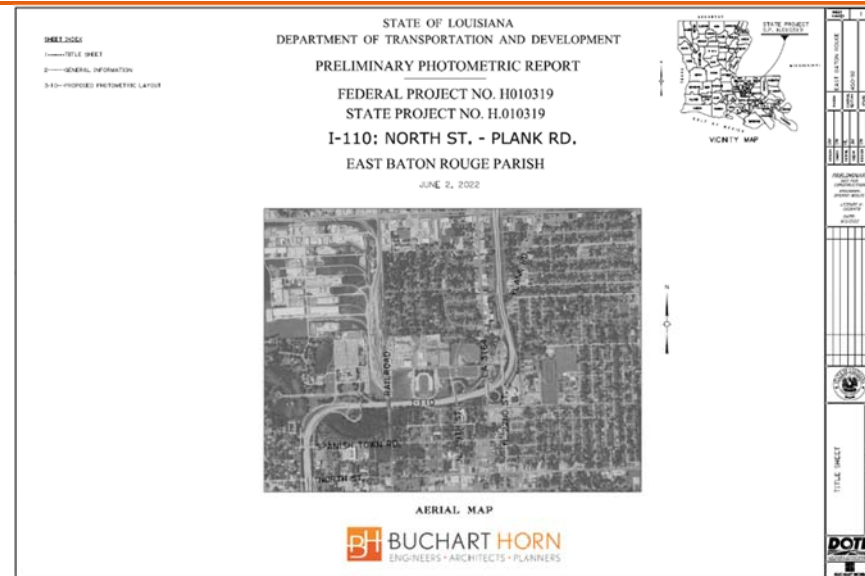



Firm name	 BUCHART HORN ENGINEERS • ARCHITECTS • PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.		Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.010319.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Baton Rouge, LA		Owner's Project Manager	Michael Armentor
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Michael.Armentor@LA.gov			
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)	\$397 (to date)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$208 (to date)	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: 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.

Firm Members Involved: Jimmy Dickerson, Sherry Wolfe, Kevin Gaspard, Cal Joy, Joseph Mingo, Ismeta Jovicevic, Steven Moore, Tyler Bos, Hugo Leiva, Karren Atchison

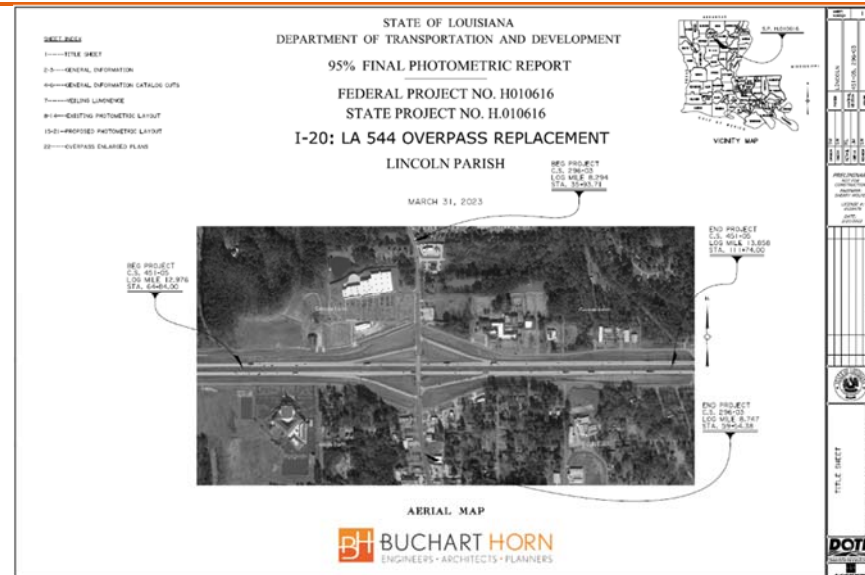



Firm name			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	I-20 - LA 544 Overpass Replacement and New Lighting Design, LADOTD, Lincoln Parish, LA.		Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.010616.5-2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Ruston, LA	Owner's Project Manager	Michael Armentor	
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Michael.Armentor@LA.gov			
Services commenced by this firm (mm/yy)	03/20	Total consultant contract cost (\$1,000's)	\$259 (to date)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$259 (to date)	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: 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.

Firm Members Involved: Jimmy Dickerson, Kevin Gaspard, Sherry Wolfe, Ismeta Jovicevic, Joseph Mingo, Steven Moore, Tyler Bos, Hugo Leiva, Karren Atchison

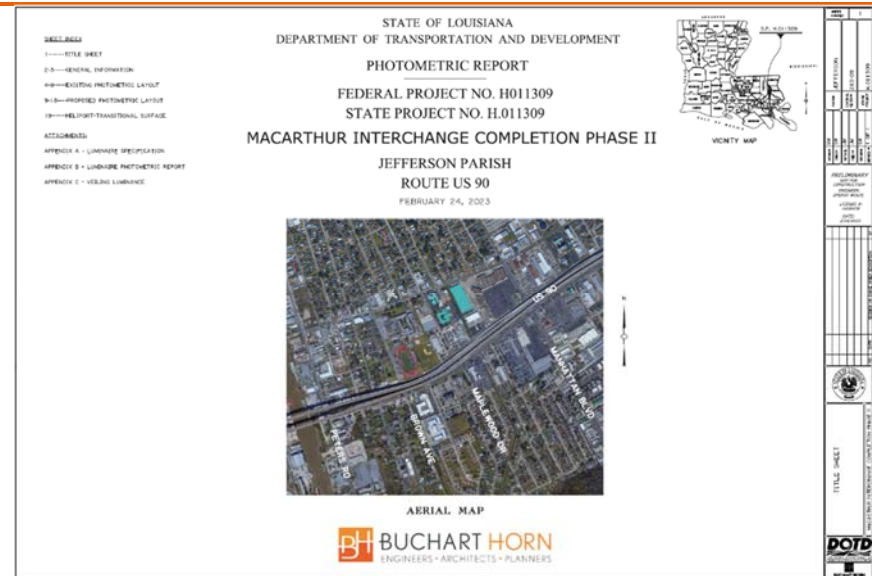



Firm name			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	MacArthur Interchange Completion PH. II, New Lighting Design, LADOTD, Jefferson Parish, LA.		Firm responsibility (prime or sub?)	Prime
Project number	Task Order No. H.011309.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Harvey, LA	Owner's Project Manager	Michael Armentor	
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Michael.Armentor@LA.gov			
Services commenced by this firm (mm/yy)	07/22	Total consultant contract cost (\$1,000's)	\$230 (to date)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$230 (to date)	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: BH is providing the roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications, and special provisions for a complete lighting system on the Westbank Expressway (US 90) in Harvey, Louisiana.

Firm Members Involved: Jimmy Dickerson, Kevin Gaspard, Sherry Wolfe, Steven Moore, Ismeta Jovicevic, Joseph Mingo, Karren Atchison, Hugo Leiva

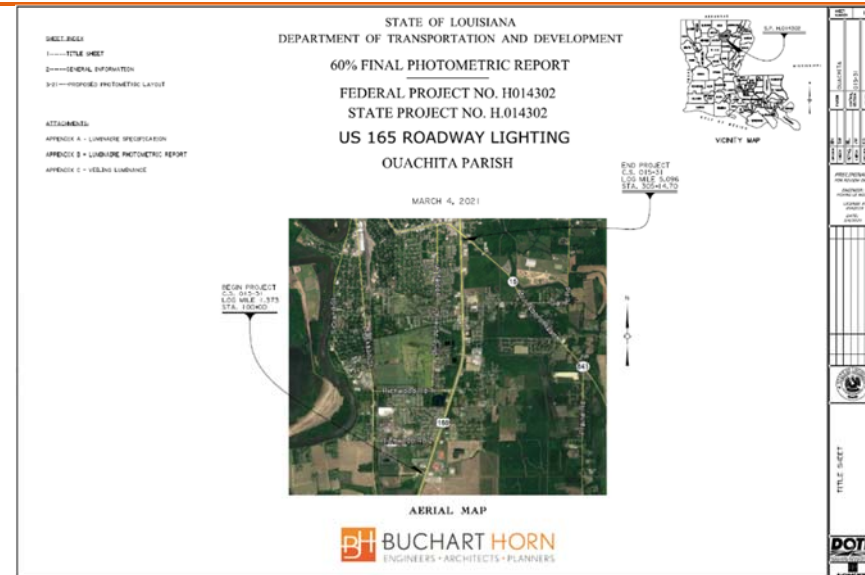



Firm name	 BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS		Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	New Lighting Design and Construction Services, US 165 Roadway, LADOTD, Richland, LA		Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.014302	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Richland, LA	Owner's Project Manager	Michael Armentor	
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Michael.Armentor@LA.gov			
Services commenced by this firm (mm/yy)	10/20	Total consultant contract cost (\$1,000's)	\$785 (to date)	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$423 (to date)	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: 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. Currently providing construction services for this project.

Firm Members Involved: Jimmy Dickerson, Kevin Gaspard, Sherry Wolfe, Steven Moore, Joseph Mingo, Karren Atchison, Hugo Leiva



Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	US 190 Superstreet, St. Tammany Parish, LA.		Firm responsibility (prime or sub?)	Sub
Project number	H.005733.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Josh Harrouch
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Joshua.Harrouch@la.gov			
Services commenced by this firm (mm/yy)	01/16	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm (\$1,000's)	\$207	


Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: This project was the topographic survey of US 190 in Covington. The survey limits were along a portion of the existing routes of US 190, Holiday Square Frontage Road, US 190 Service Road, Holiday Blvd., Holycrest Plaza Driveway, Louis Prima Drive, Park Place Drive, Lake Drive, Crestwood Blvd., 9th Avenue, Three Rivers Road, River Highlands Blvd., Harrison Ave., Maple Ridge Ave., North 12th Street, Sunshine Ave., North 6th Street, Riverside Drive, and North 2nd Street and is approximately 2.9 miles in length.

CD&C's Role: CD&C's role was to provide the complete topographic survey and drainage map for this project including all utility coordination. The survey begins at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. The width of the survey and DTM extended to the Western Edge of Pavement to Eastern Edge of Pavement along US 190 and tied in with the existing topographic features picked up on the previous survey done under H.011137.5 and H.011152.5 (Interstate 12 Survey). This also included cross sectioning a portion of the Abita River in the project area. All topographic survey elements were performed in accordance with the latest LADOTD Location and Survey Manual and conformed to the latest standard practices/procedures. All deliverables were in LADOTD required formats. 3D Terrestrial Scanning was used in conjunction with traditional means and methods to complete this project.



Members Involved: CD&C employees involved in the project included **Karla Weston, PE**, **Ralph Burgess, PLS**, Survey Manager; **Christopher Ballard, PLS**, Survey Project Manager; **Philip Dupree**, Party Chief; **Jacob Stoehr**, Party Chief; **Trent Norris**, 3D Scanning Technician; **John Ewing**, Survey Technician

Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	I-10: LA 415 to Essen Lane on I-10 and I-12, Port Allen and Baton Rouge, LA.		Firm responsibility (prime or sub?)	Sub
Project number	H.005733.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Nicholas.olivier@la.gov			
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	04/19	Cost of consultant services provided by this firm (\$1,000's)		\$296


Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: This project is located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, LA. A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits.

CD&C's Role: CD&C as a sub-consultant on this project was responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.



Members Involved: Karla E. Weston, PE; Ralph Burgess, PLS; Christopher Ballard, PLS; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D scanning technician; John Ewing, Survey Tech

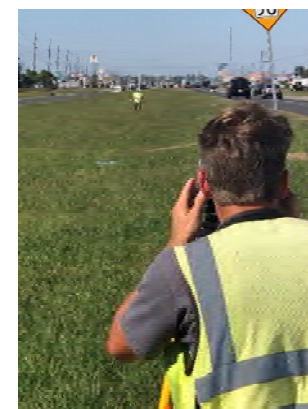
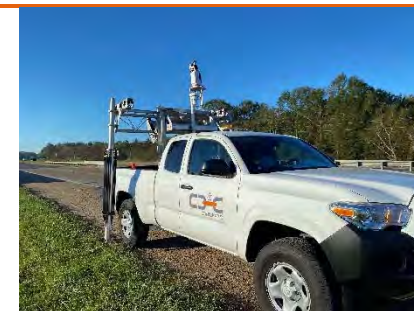
Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	US 165 Lighting, Ouachita Parish, LA.		Firm responsibility (prime or sub?)	Sub
Project number	H.014302.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Michael Armentor
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Michael.Armentor@la.gov			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	02/21	Cost of consultant services provided by this firm (\$1,000's)	\$144	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: This project performed topographic survey utilizing both traditional means and methods as well as 3D terrestrial scanning in Ouachita Parish. The project began at the intersection of Charleston Drive and US 165 and continued North until the intersection of LA 15 and US 165. The survey limits extended 500 feet from the intersection of US 165 and the major side street along LA 15, Ticheli Rd, Dellwood Dr., Richwood Road 1/Martin Luther King Dr., and Richwood Road 2. This project is approximately 4 miles in length.

CD&C's Role: CD&C's role was to provide a limited topographic survey specifically for electrical lighting design. In addition, since most of the project limits are wide, the topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Specified project limits to include the area between the established apparent right-of-way for the width of the project.

Members Involved: CD&C employees involved in the project included **Karla Weston, PE**, **Ralph Burgess, PLS**, Survey Manager; **Christopher Ballard, PLS**, Survey Project Manager; **Scott Benton**, 3D Scanning Technician, **Trent Norris**, 3D Scanning Technician, **Philip Dupree**, Party Chief; **Jason Stoehr**, Party Chief



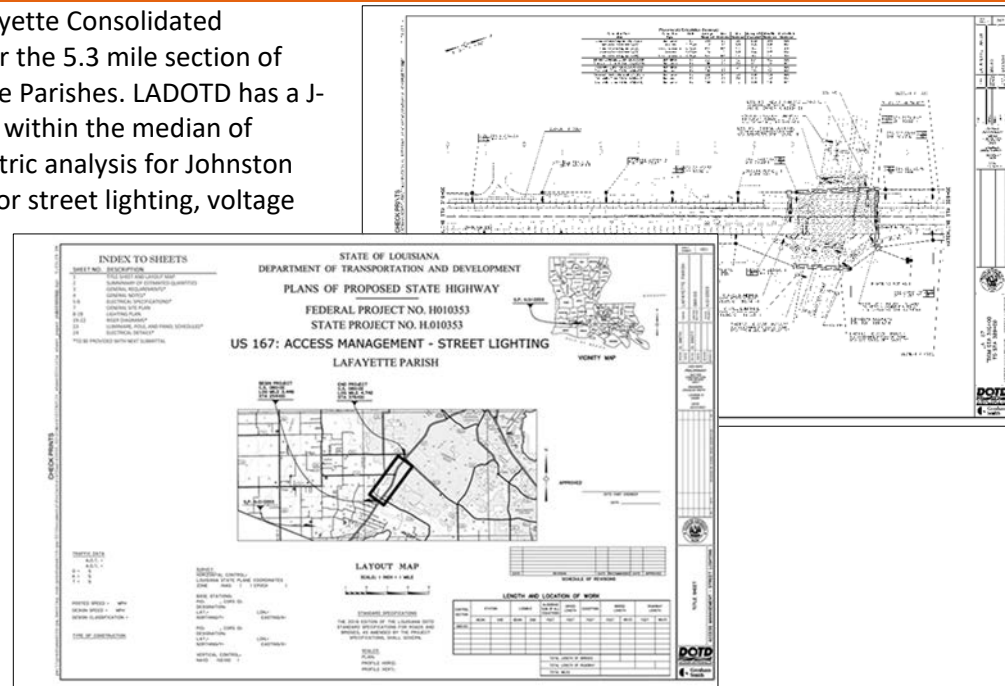
Firm name	Gresham Smith		Past Performance Evaluation Discipline(s)*	Traffic
Project name	LCG, H.010353 – US 167 (Johnston Street) Lighting		Firm responsibility (prime or sub?)	Prime
Project number	H.010353	Owner's name	Lafayette Consolidated Government	
Project location	Lafayette, Louisiana		Owner's Project Manager	Warren Abadie
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 337.291.8548 / wabadie@lafayettela.gov			
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost (\$1,000's)	\$200	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$200	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: Gresham Smith was selected by Lafayette Consolidated Government to develop design plans for street lighting for the 5.3 mile section of Johnston Street (US 167) through Vermillion and Lafayette Parishes. LADOTD has a J-Turn project that is currently removing the street lighting within the median of Johnston Street. Gresham Smith performed the photometric analysis for Johnston Street and developed preliminary and final design plans for street lighting, voltage drop calculations, and construction cost estimates. Gresham Smith is currently providing construction support.

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

Firm members involved: **Christina Florez** and **Julian Bordelon**



Firm name	Gresham Smith		Past Performance Evaluation Discipline(s)*	Traffic
Project name	2020 RWD, WA #1, I-59 Meridian Lighting and ITS		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	MDOT	
Project location	Meridian, Mississippi		Owner's Project Manager	David Seal, PE
Owner's address, phone, email	P.O. Box 1850, Jackson, MS, 39215 / 601.359.7001 / David.seal@mdot.ms.gov			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)	\$319	
Services completed by this firm (mm/yy)	12/22	Cost of consultant services provided by this firm (\$1,000's)	\$319	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: Gresham Smith was selected for this Work Assignment (WA) under existing MDOT Roadway Design master contract. The Project is a design build project and includes updating the Interstate lighting to LED along I-59 from 65th Avenue to SR 39 as a part of a bridge widening project. Gresham Smith provided Light Pole inspection, Phase A Lighting and ITS plans, a Systems Engineering Analysis Report, Design/Build document setup, and D/B Construction Administration support.

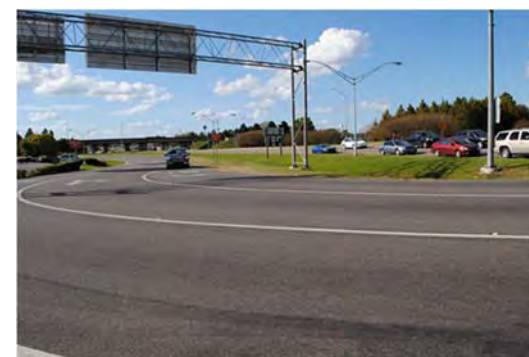
Gresham Smith has performed the structural inspection of the existing -interstate light poles and developed plans to replace deficient or missing poles. Gresham Smith is performing the lighting analysis and recommended 3 lighting fixture options using the Agi32 software. Once the options were narrowed down, an analysis of the fixtures was done for the entire corridor to determine foot candle levels that can be attained and how closely they will meet the AASHTO lighting requirements. Plans were developed that provided the preliminary conduit, power service points, fixture and electrical details. Preliminary voltage drop calculations were developed to help ascertain the expected power service point needs.

Additionally, conceptual plans were developed to connect traffic signals to the Traffic Management Center, add Closed-Circuit Television (CCTV) cameras, Dynamic Message Signs (DMS) and vehicle detection devices. This could provide traffic monitoring coverage and allow for remote operations and enhanced performance of traffic operations.

The primary purpose of the project is to create a safe and operational corridor for the project.

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

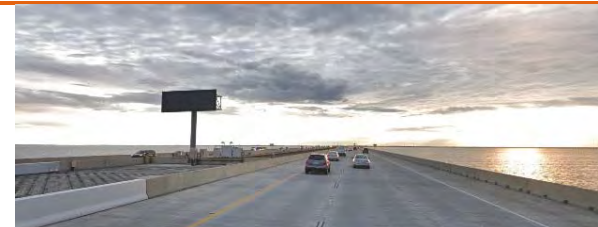
Firm members involved: Julian Bordelon, Christina Florez, Courtney Rome, and John Weres



Firm name	Gresham Smith		Past Performance Evaluation Discipline(s)*	Traffic
Project name	ITS Design and Implementation Services, WO #4: I-10 Twin Spans		Firm responsibility (prime or sub?)	Prime
Project number	H.011503.5	Owner's name	LADOTD	
Project location	Orleans & St. Tammany Parishes, Louisiana		Owner's Project Manager	Lucy Kimbeng
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.2528 / Lucy.kimbeng@la.gov			
Services commenced by this firm (mm/yy)	08/15	Total consultant contract cost (\$1,000's)	\$209	
Services completed by this firm (mm/yy)	11/18	Cost of consultant services provided by this firm (\$1,000's)	\$209	

Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Project Description: Gresham Smith developed design plans along with specifications and cost estimates for eight pan-tilt-zoom (PTZ) camera locations, a new digital message sign (DMS) and power and communications equipment along an eight-mile segment of I-10 in a crucial evacuation route between New Orleans and Slidell Louisiana.



This project included the design for the removal of existing cameras and DMS poles that were installed 10 years ago when the bridge was constructed. This project also utilized the existing conduit originally installed within the structure of the bridge.

Detailed structural analyses were performed to ensure that the new camera poles and DMS poles could be installed on the existing foundations within the bridge structure. It also included a new front access LED DMS board, which required the design of a butterfly cantilever design to support the LED DMS, the first of each to be installed along the interstate system in Louisiana. Additionally, Gresham Smith designed the structural steel for the platforms at each cabinet location and the railing around those platforms.



Additionally, Gresham Smith incorporated connections from the existing bridge health monitoring equipment to the ITS network and TMCs. Gresham Smith also provided project management and reporting services for the duration of the project. This project stands as a great example of retrofitting new ITS technology along existing infrastructure to create a fully comprehensive ITS system on the Twin Span bridges.

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

Firm members involved: Christina Florez, Daniel Knott, John Weres, Courtney Rome

18. Approach and Methodology:

BH is intimately familiar with the intricacies of this retainer contract, having completed several lighting designs according to the Louisiana Department of Transportation and Development (LADOTD) Illumination and Electrical Standards for Interstate lighting and State highway lighting projects under previous IDIQ contracts. In addition, BH is familiar with working with LADOTD personnel to develop Engineering Fee estimates during the early concept phase of the task orders through final project inspections and closeouts.

Generally, after a consultant has been selected for the IDIQ, the master contract will be signed by both parties. From there, the LADOTD Project Manager (PM) will issue a task order which includes the project limits. Next, the consultant and the PM will negotiate the fee for the project. For example, if the project consists of a topographic survey and SUE, the PM will have the Location and Survey section review those portions. Once the fee(s) have been agreed upon by the PM, consultant, and Consultant Contract Services (CCS), a Notice of Task Order Execution (NOTOE) will be issued. After both parties have signed the task order contract, the PM will give the Notice To Proceed (NTP) at a time of LADOTD's choosing. No work on the task order takes place before the NTP.

The project typically begins with the topographic survey and subsurface utility engineering (SUE). LADOTD has basically two scenarios for topographic surveys and SUE on lighting projects: topographic survey and (SUE) provided by LADOTD, and topographic survey and SUE obtained by the consultant. The topographic survey and SUE are conducted per LADOTD Location and Survey Manual in both cases.

Topographic surveys are essential for engineering and construction projects. The data obtained from these surveys help determine the best design and layout of light poles, controllers, service points, and conduits with conductors. In addition, it provides information on existing terrain, contours, slopes, and natural features, enabling engineers to plan and design projects compatible with the landscape.

SUE provides valuable information about subsurface utilities' location, condition, and characteristics, such as water pipes, gas lines, electrical cables, light poles, transformers, and telecommunications infrastructure. SUE information helps a project's planning and design phases by providing accurate and comprehensive data about existing utilities. In addition, it aids engineers and designers in determining the optimal layout of new infrastructure to avoid conflicts with underground utilities.

The topographic survey and SUE information are uploaded from the digital field book to construct the base maps of the project in Microstation (.dgn) format in accordance with LADOTD's Section VI Electronic Deliverables. In addition, these files are used to illustrate the new lighting features, such as light poles and conduits with wires.

BH understands that LADOTD typically follows a phased approach for electrical lighting design projects. Each phase's name and details may vary depending on the project's complexity. For example, some electrical projects have preliminary and final plans, while others only have final plans. Another variation is to develop an independent electrical plan and specification set, while yet another is to create an electrical plan set that will be incorporated into a roadway or bridge project developed by another LADOTD consultant. The scenario included in this write-up is for an electrical lighting project with preliminary and final electrical plans; however, BH is aware that the deliverables under this IDIQ will vary and can adapt to meet LADOTD's needs. All items in the plans and specifications shall conform to 1) LADOTD Illumination & Equipment standards, 2) LADOTD "A guide to Constructing, Operating, and Maintaining Highway Lighting Systems," 3) IESNA/ANSI RP-8, 4) IES "Design Guide for Roundabout Lighting" DG-19, 5) LADOTD Electrical Plan Layout and Presentation, 6) Louisiana Standard Specifications for Roads and

Bridges, 7) National Electric Code (NFPA 70), 8) Standard for Electrical Safety in the Workplace (NFPA 70E), 9) AASHTO Design Guides, 10) AASHTOWare Project Preconstruction, 11) all other local and applicable codes and, 12) or as directed by the PM. In addition, the QA/QC documentation shall conform to the LADOTD Bridge Design and Evaluation Manual (BDEM) Part 1 Chapter 3 and be submitted at each plan submittal.

Project Initiation: A project kickoff meeting will occur within 14 days of the issuance of the NTP. The project objectives, scope, and constraints will be established at this meeting. Key stakeholders, such as LADOTD District Personnel and Parish/City/Local Governments will be invited to this meeting. Items discussed at the meeting will be lighting requirements, objectives, and factors such as road type, traffic volume, safety, energy efficiency, bike and pedestrian paths, tunnels, underpass lighting, heliports, and airports. A preliminary site inspection will occur with the key stakeholders to locate existing equipment and evaluate field conditions. The design of new electrical equipment will be discussed with the key stakeholders. A detailed meeting report will be written and transmitted to the key stakeholders and the LADOTD PM.

Preliminary Plans: The purpose of the preliminary plans is to refine the lighting layout and concept, conduct lighting calculations and analyses, determine the appropriate lighting fixtures, poles, controllers, and service points, and prepare preliminary cost estimates. Generally, there will be two submittals: draft preliminary illumination report and plan layouts and final illumination report and plan layouts. The draft preliminary illumination report and plan layouts will include the overall project development for preliminary plans. As the PM directs, some sheets will be nearly completed, while others will be partially completed on approved LADOTD plan sheets. The final preliminary illumination report and plan layout will meet all the requirements of the draft submittal and contain the revisions from the draft review.

BH will conduct an FAA Obstruction/Evaluation/Airport Analysis (OE/AAA) as part of the preliminary plans. If submitting is unnecessary, BH will provide documentation or FAA's Notice Criteria Tool.

Final Plans: When the task order requires preliminary plans, BH will submit 60%, 95% (ACP), 98%, and 100% final plans. Note: A 30% final plan submittal is also required if the task order has only final plans. The final plans provide detailed lighting plans, luminaire locations and types, pole placements, and electrical specifications.

60% Photometric Report and 60% Final Plans: There are two deliverables: 60% photometric plans and 60% final plans. Since, in this case, preliminary plans were prepared, the preliminary illumination analysis is updated to prepare the 60% photometric report with the final interchange geometry and performing a final illumination analysis which is then submitted to LADOTD for review. The 60% photometric report will be resubmitted to LADOTD until LADOTD accepts the photometric report. Once the 60% photometric report has been accepted by LADOTD, BH will typically develop 60% final plans unless directed otherwise. The 60% photometric report will contain all items outlined in the contract. The essential deliverables are full-size plan sheets, a legible point-by-point illuminance grid, the location of light poles, luminaire types, existing topographic features, proposed roadway features, sidewalks, and driveways, calculated statistics for average foot candles, average to minimum ratio, maximum to minimum ratio, light loss factor and veiling illuminance. BH understands the LADOTD PM may request additional information and is prepared to provide all requested information.

60% Final plans: The overall project development will be included in the 60% Final plans. Most sheets will be complete, and some may be partially complete. At this point, a plan-in-hand (PIH) inspection will be conducted. A detailed report of the PIH comments will be composed

and transmitted to the LADOTD PM and key stakeholders. All comments from the PIH will be addressed and included in the 95% final plan submittal unless otherwise directed by the LADOTD PM.

FAA: BH will conduct an FAA Obstruction/Evaluation/Airport Analysis (OE/AAA) as part of the final plans on all proposed new lighting poles. If submitting is unnecessary, BH will provide documentation or FAA's Notice Criteria Tool.

95% photometrics: The final electrical calculations are required with this submittal. These include voltage drop calculations for service points, available fault currents for service points, conduit fill for all circuits, and preliminary arc flash incident energy levels as part of an overall electrical hazard analysis. The arc flash and hazard analysis report will conform to NFPA 70E based on the design information. It will include the calculation title, table of contents, design engineer name, project number, and project name.

95% Final Plans: The 95% final plan submittal will meet all the requirements of the 60% submittal with the overall project development at least 95% complete. All sheets shall contain all relevant information required for the LADOTD reviewers. The final placement of equipment may not be known until the ACP comments are received.

98% Final plans: All comments from the 95% ACP submittal will be addressed and all sheets will be 100% complete. BH's final plans, construction estimate, and summary of estimated quantities will be submitted to the LADOTD PM, for transmittal to the LADOTD Contracts and Specifications section for review.

100% Final Plans: BH will address all comments from LADOTD's Contract and Specifications section and deliver final plans, specifications, and the construction cost estimate to the LADOTD PM.

Additional duties include responding to all pre-bid RFI's in Falcon from bidders and providing official responses and plan revisions as needed to LADOTD. Finally, a bid review analysis and an official response to LADOTD will be supplied once bids are received.

Construction Services: As part of the task order, a construction engineering, and inspections (CE&I) contract is developed and reviewed as was done for the preliminary and final plan design phases. There are two principal phases for CE&I: Project management and Engineering support and monitoring of construction activities.

Project Management: BH will attend all meetings, including the preconstruction conference, site inspections, and final inspections. Detailed reports will be written for each meeting and site inspection. BH will notify the LADOTD PM of all field inspections before conducting them. Monthly reports will be included with each invoice, and the site inspections will be coordinated with the contractor's schedule. BH will respond promptly to any issues arising during construction and keep up with the contractor's schedule and work progress. Final calculations will be performed during Construction. An arc flash hazard analysis report by NFPA 70E will be conducted on the field-installed equipment. The Arc flash calculations at the end of the project will include available utility fault current (Max, Min, normal) and actual utility transformer KVA, voltage, % impedance, and X/R ratio, installed current breaker trip curves, installed equipment specifications, and length of installed conductors. The arc flash labels will be placed on each applicable piece of equipment by UL 969, ANSI Z535.4, NEC 110.06, and NFPA 70E 130.3 guidelines.

Engineering Support: BH will attend the preconstruction meeting representing LADOTD Electrical. BH will review and approve shop drawings and equipment submittals and keep up with the submittal process. The operation and maintenance manual (O&M) will conform to 822.06.6 of the LSSRB. It will include the State/Entity agreement, roadway lighting operational plan, final acceptance letter, light pole certifications, luminaire installation and maintenance, and test reports. As built, plans will be reviewed by BH. We will include the completed as-built plans in the O&M manual. BH will address all RFI's using the construction division's standard RFI form. In addition, BH will conduct field inspection services to observe the layout of the low mast pole and its foundations, observe and review trenching and boring, review/audit installation of low mast pole foundations, observe testing associated with the lighting system as specified in section 822.09 of the LSSRB as follows, first random visit and follow-up, second random final visit and follow-up. The BH Engineer of Record will attend the final inspection with the LADOTD Project Engineer, and a final inspection report will be composed containing a punch list of incomplete items to be submitted to the LADOTD Project Engineer. Final acceptance of the project or acceptance of the O&M manual completes BH's duties, however, BH will always be available to LADOTD should the need arise.

Typical Roadway Lighting Project Schedule																	
Month		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Project Plan Development	Time																
Draft of Preliminary Photometrics and Plans	46 days	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
Final Preliminary Photometrics and Plans	54 days			█	█	█	█	█	█	█	█	█	█	█	█	█	█
Design Development - Part A (Photometrics)	49 days			█	█	█	█	█	█	█	█	█	█	█	█	█	█
Design Development - Part B (60% Final Plans)	38 days							█	█	█	█	█	█	█	█	█	█
95% Final Plans (Advance Check Prints)	88 days									█	█	█	█	█	█	█	█
Final Plans (98% Final Plans)	113 days											█	█	█	█	█	█
100% Final Plans	19 days															█	█
Letting	20 days																█

In summary, BH has the extensive knowledge and experience to provide LADOTD with the electrical engineering services for this IDIQ. The BH team is committed to not only meet but exceed LADOTD's expectations. Our goal is to provide value and quality on every project with on-time and on budget delivery. Quality control is extremely important and BH has prepared a QA/QC Plan which will be adhered to throughout the life of the contract. As with any project, communication is the key to success. This will be accomplished through the various project meetings as well as regular communication between BH Project Manager and LADOTD's Project Manager. This will ensure that any potential problems are identified early in project development and resolved to avoid delays and cost overruns. As stated earlier the BH team has a great deal of experience in designing various lighting system for the LADOTD and is the best team for this IDIQ.



19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Buchart Horn, Inc.	Environmental	H.005257, FAP 9902(518), 700-99-0302	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement	\$3,284
Buchart Horn, Inc.	Environmental	H.009153.2, FAP H009153	US 84 Improvements	\$9,574
Buchart Horn, Inc.	Bridge (Lighting)	4400011353, H.0110309.5-2	MacArthur Interchange Completion – Phase II Lighting	\$155,287
Buchart Horn, Inc.	CE&I/OV	4400005660, H.012422.6	I-110 at Terrace Avenue Ramp Modification CA Services	\$3,686
Buchart Horn, Inc.	CE&I/OV	4400005660, H.012874.6	I-55 at LA 22 Interchange New Lighting CA Services	\$31,993
Buchart Horn, Inc.	Traffic (Safety)	4400010471, H.013322.1	LA 3040 Corridor Improvements Study	\$273
Buchart Horn, Inc.	Traffic (Safety)	4400010471, H.041305.1	US 61: Cardinal Drive to Bert Street	\$36,728
Buchart Horn, Inc.	Bridge (Lighting)	4400011353, H.010616.5-2	New I-20 Overpass over LA 544 Lighting	\$58,546
Buchart Horn, Inc.	Bridge (Lighting)	4400011353, H.014302.5	US 165 Roadway Lighting	\$148,460
Buchart Horn, Inc.	Bridge (Lighting)	4400011353, H.010319.5	I-110 Lighting from North Street to Plank Road	\$52,538
Civil Design & Construction, Inc.	Surveying	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	\$89,482
Civil Design & Construction, Inc.	Surveying	H.011833.5	St. Mary Street Sidewalks	\$3,236

Civil Design & Construction, Inc.	Surveying	H.011235.5	I-49 South @ Verot School Rd	\$198,880
Civil Design & Construction, Inc.	Surveying	H.011235.5	I-20: UPRR Overpass	\$317,022
Gresham Smith	Traffic	4400005890 H.12018.5	Lafayette Adaptive Traffic Signals	\$117,831
Gresham Smith	CE&I/OV / ITS	4400011253 H.011500.6	Lake Charles ITS Phase 3	\$43,492
Gresham Smith	Bridge	4400013322 H.009730.5	Complex Bridge Inspection TO#4	\$14,755
Gresham Smith	Bridge	4400013322 H.009730.5	Complex Bridge Inspection TO#5	\$3,177
Gresham Smith	Bridge	4400013322 H.009730.5	Complex Bridge Inspection TO#6	\$23,960
Gresham Smith	Bridge	4400013322 H.009730.5	Complex Bridge Inspection TO#7	\$347,973
Gresham Smith	Road	4400019871 H.013720.5	LRSP Signs and Stripping - Bonner Street Bridge Pedestrian Improvements	\$3,089
Gresham Smith	Road	4400019871 H.013767.5	LRSP Signs and Stripping - St. Landry and St. Martin Parishes	\$4,223
Gresham Smith	Road	4400019871 H.013073.5	LRSP/STRPPP Greenwells Springs & Wooddale Sidewalks	\$72,297
Gresham Smith	Traffic	4400019871 H.015086.5	LRSP/STRPPP LA 14	\$148,884
Gresham Smith	Road	4400019871 H.014629.5	LRSP/STRPPP Lafourche Signing and Striping	\$4,759
Gresham Smith	CE&I/OV	4400013851 H.009308.6	TO#1 New Orleans DPW SRTS Sidewalk Project	\$2,937
Gresham Smith	CE&I/OV / ITS	4400024424 H.013256.6	I-10 Scott to Lake Charles ITS CEI	\$186,903

(Add rows as needed)


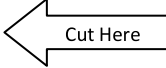
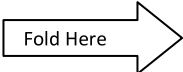
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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 09/30/2024 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>	

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer


All information provided by LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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	03/31/2025	
Status: Active		

Mr. Kevin John Gaspard

License/Certificate Type - Number Expiration Date

PE.0023835 **03/31/2025**

Status: Active

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).

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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Certificate of Attendance

Local Public Agency Qualification Program
LPA Project Development and Design Process for the LPA Responsible Charge Module

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

Kevin Gaspard

HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

Director of Local Technical Assistance Program

June 15th, 2022
Date

Baton Rouge, LA
Location



Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
&
The Federal Highway Administration

TO CERTIFY THAT

Kevin Gaspard

HAS SATISFACTORILY COMPLETED 6 PROFESSIONAL DEVELOPMENT HOURS

Steven C. Strength

Director, LTAP

June 14, 2022

Date

Baton Rouge, Louisiana

Location



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kevin Gaspard

has attended

Traffic Control Supervisor-LA State Specific

Training Course

4/7/2021 to 4/8/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "L. Gaspard".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Tejada".

President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kevin Gaspard

has attended

Traffic Control Technician-LA State Specific

Training Course

4/6/2021 to 4/6/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "K. Gaspard".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Teichner".

President, CEO

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



American Traffic Safety Services Association ATSSA.com

Congratulations!

Kevin Gaspard

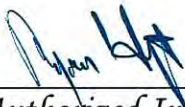
You have completed

Traffic Engineering Analysis Process & Report Class

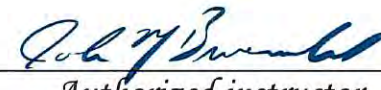
Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50



Authorized Instructor



Authorized instructor






LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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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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).

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.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer



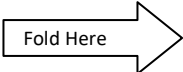
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/22/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. William Andrew Pinkley
3150 Lenox Park Boulevard
Memphis, Tennessee 38115

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. William Andrew Pinkley License/Certificate Type - Number Expiration Date PE.0040713 09/30/2024 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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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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		

Mr. Caldwell Phillips Joy II

License/Certificate Type - Number Expiration Date

PE.0043830 **03/31/2024**

Status: Active

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).

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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**CERTIFICATE IS AWARDED TO
CALDWELL JOY**

**Has successfully completed a flagger training course meeting the
requirement of the**

**LOUISIANA DEPARTMENT OF TRANSPORTATION
& DEVELOPMENT**

on the following date

APR 01, 2021

Valid for 4 years from completion date.

Expires APR 01, 2025

This temporary/backup certificate is valid with a government issued photo ID.

**Verify this certificate against the information online use the code below to view or print duplicate
certificates**

1253-1061-106108

Enter the code to verify this certificate is an original at

<https://process.onlineflagger.com/duplicate>



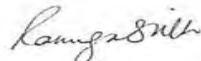
PROOF OF TRAINING


THIS CERTIFICATE HEREBY RECOGNIZES THAT

Cal Joy
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/7/2021 to 4/8/2025
Training Valid Through

Baton Rouge, LA
Location


Director of Training


President, CEO

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



American Traffic Safety Services Association ATSSA.com



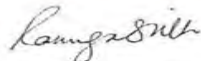
PROOF OF TRAINING


THIS CERTIFICATE HEREBY RECOGNIZES THAT

Cal Joy
has attended
Traffic Control Technician-LA State Specific
Training Course

4/6/2021 to 4/6/2025
Training Valid Through

Baton Rouge, LA
Location


Director of Training


President, CEO

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



American Traffic Safety Services Association ATSSA.com

Congratulations!

Cal Joy

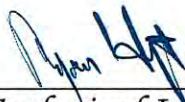
You have completed

Traffic Engineering Analysis Process & Report Class

Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50



Authorized Instructor



Authorized instructor





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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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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Certificate of Training

this certifies that

Joseph Mingo

*has successfully completed the training
program requirements for*

ATSSA Online Flagger Certification Training Course



Awarded on this **31st** *day of* **March 2021**



Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
&
The Federal Highway Administration

TO CERTIFY THAT

Joey Mingo

HAS SATISFACTORILY COMPLETED 6 PROFESSIONAL DEVELOPMENT HOURS

Steven C. Strength

Director, LTAP

June 14, 2022

Date

Baton Rouge, Louisiana

Location



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joseph Mingo

has attended

Traffic Control Supervisor-LA State Specific

Training Course

4/7/2021 to 4/8/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "L. Mingo".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Tezak".

President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Joseph Mingo

has attended

Traffic Control Technician-LA State Specific

Training Course

4/6/2021 to 4/6/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "Lange Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Allen Teichner".

President, CEO

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



American Traffic Safety Services Association ATSSA.com

Congratulations!

Joey Mingo

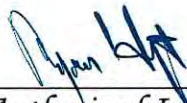
You have completed

Traffic Engineering Analysis Process & Report Class

Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 8.50



Authorized Instructor



Authorized instructor





BUREAU OF PROFESSIONAL AND OCCUPATIONAL AFFAIRS

P. O. Box 2649

Harrisburg, PA 17105-2649

05/25/2023

License Information

ROBERT G CRAMER

ETTERS, Pennsylvania 17319

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

Status Effective Date: 05/14/2001

LicenseType: Professional Engineer

Issue Date: 08/01/1994

Specialty Type:

Expiration Date: 09/30/2023

License Number: PE046271E

Last Renewal: 09/28/2021

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.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 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		
<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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(<https://onlineflagger.com/wp-login.php?>



Logout

action=logout&redirect_to=https%3A%2F%2Fonlineflagger.com&_wpnonce=2d7f4ee33f&redirect_to=https%3A%2F%2Fonlineflagger.com)

hleiva-092921211037

(<https://onlineflagger.com/members/hleiva-092921211037/>)



OnlineFlagger.com

CERTIFICATE

IS AWARDED TO

HUGO LEIVA

Has successfully completed a flagger training course
meeting the requirements of the

**LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT**

on the following date

OCTOBER 27, 2021

Valid for 4 years from completion date.
This temporary/backup certificate is valid with a
government -issued photo ID.

Use the code below to validate this certificate's
authenticity, or get copies.

1253 -1061 -115864

To validate this code go to

<https://onlineflagger.com/temporary-certificate-validator/>



 Print  PDF Print



Certificate of Attendance

Local Public Agency Qualification Program
LPA Project Development and Design Process for the LPA Responsible Charge Module

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

TO CERTIFY THAT

Hugo Leiva

HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

Director of Local Technical
Assistance Program

June 15th, 2022
Date

Baton Rouge, LA
Location



Certificate of Attendance

Local Public Agency Qualification Program
LPA Qualification Core Training

PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
&
The Federal Highway Administration

TO CERTIFY THAT

Hugo Leiva

HAS SATISFACTORILY COMPLETED 6 PROFESSIONAL DEVELOPMENT HOURS

Steven C. Strength
Director, LTAP

June 14, 2022
Date
Baton Rouge, Louisiana
Location



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Hugo Leiva

has attended

Traffic Control Supervisor-LA State Specific

Training Course

11/10/2021 to 11/11/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "Romya Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Steve Tetzchner".

President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Hugo Leiva

has attended

Traffic Control Technician-LA State Specific

Training Course

11/9/2021 to 11/9/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "Lange Smith".

Director of Training

A handwritten signature in black ink, appearing to read "Alan Teichner".

President, CEO

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



American Traffic Safety Services Association ATSSA.com

Congratulations!

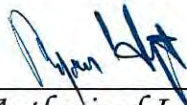
Hugo Leiva

You have completed

Traffic Engineering Analysis Process & Report Class Modules 1, 2 & 3

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 8.50



Authorized Instructor



Authorized instructor






LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/16/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Jeffrey Thomas Kaminski
514 Big Sky Drive
Etters, Pennsylvania 17319

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Jeffrey Thomas Kaminski	
License/Certificate Type - Number	Expiration Date
PE.0039064	09/30/2024
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>	

Fold Here

Cut Here

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer


All information provided by LAPELS 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 LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, 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 LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/13/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mrs. Karla Ewing Weston
P. O. Box 857
Port Allen, Louisiana 70767

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mrs. Karla Ewing Weston		
License/Certificate Type - Number	Expiration Date	
PE.0031010	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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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 9/26/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mrs. Karla Ewing Weston
P. O. Box 857
Port Allen, Louisiana 70767

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mrs. Karla Ewing Weston	
License/Certificate Type - Number	Expiration Date	
PE.0031010	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>		

Annotations: "Cut Here" arrow pointing left from the right side of the dashed box; "Fold Here" arrow pointing right from the left side of the dashed box.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer


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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/8/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Ralph D. Burgess
30562 Burgess Road
Denham Springs, Louisiana 70726

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Ralph D. Burgess		
License/Certificate Type - Number	Expiration Date	
PLS.0005040	09/30/2024	
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>		

Fold Here

Cut Here

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*The American Traffic Safety
Services Association*

Hereby recognizes that

Ralph D Burgess

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/8/2019 to 2/8/2019
Date

Baton Rouge, LA
Location



Jessica M. Houghton

Training & Products Dept. Director

Ryan A. Wertz

President, CEO



Dear Certified Flagger:

Enclosed, please find your card signifying you as a Certified ATSSA Flagger. This card should be carried and presented to employers while performing work on our roadways. Please be aware that the card is not valid without a Photo I.D.

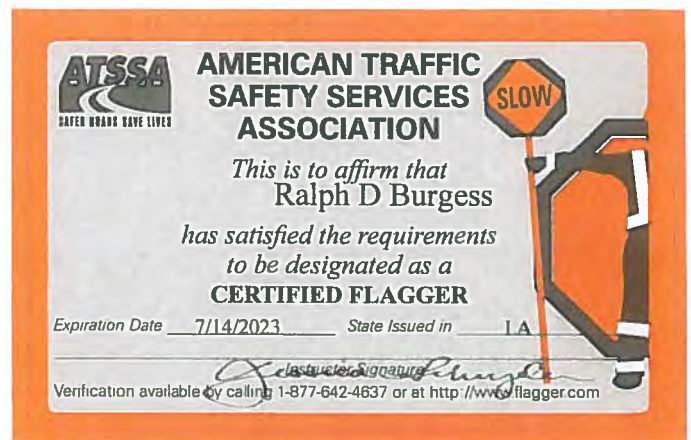
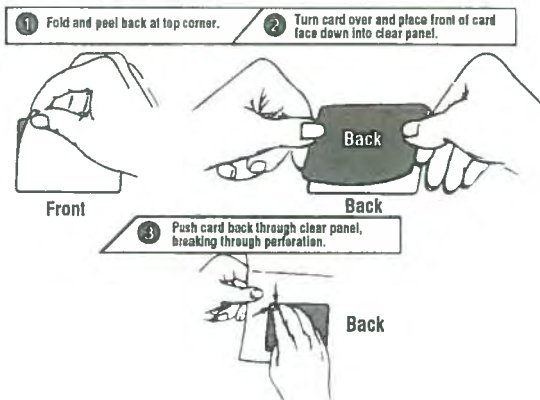
American Traffic Safety Services Association (ATSSA) commends you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the "Leader in Roadway Safety" and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any changes in name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses or for any of our products created for use in a work zone.

Sincerely,

Jessica Schuyler
Director of Training

Laminating the front of your card with Dual Laminate:



A M E R I C A N T R A F F I C S A F E T Y S E R V I C E S A S S O C I A T I O N

15 RIVERSIDE PARKWAY • SUITE 100 • FREDERICKSBURG, VA 22406-1022

TEL 540-368-1701 • FAX 540-368-1717 • TOLL FREE 800-272-8772 • TRAINING 877-642-4637


www.atssa.com



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/8/2023 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Christopher Lyle Ballard
P. O. Box 857
Port Allen, Louisiana 70767

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Christopher Lyle Ballard		
License/Certificate Type - Number	Expiration Date	
PLS.0005033	09/30/2024	
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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Disclaimer


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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/25/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Madison Edward Mills
3251 Southern Pacific Road
Port Allen, Louisiana 70767

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Madison Edward Mills		
License/Certificate Type - Number	Expiration Date	
PLS.0005293	03/31/2025	
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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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 7/12/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Bradley Christopher Jacobs
18320 Hwy 42
Port Vincent, Louisiana 70726

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Bradley Christopher Jacobs		
License/Certificate Type - Number	Expiration Date	
EI.0032456	09/30/2023	
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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Certificate of Completion

presented to

Brad Jacobs

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 28, 2020
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 2



Authorized Instructor



Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brad Jacobs

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 28, 2020
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Brad Jacobs

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 28, 2020

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brad Jacobs

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 28, 2020
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor





Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

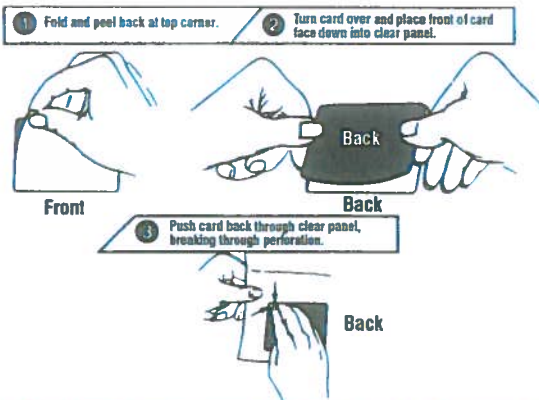
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,


Director of Training

Laminating the front of your card with Dual Laminate:



American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



Dear Certified Flagger:

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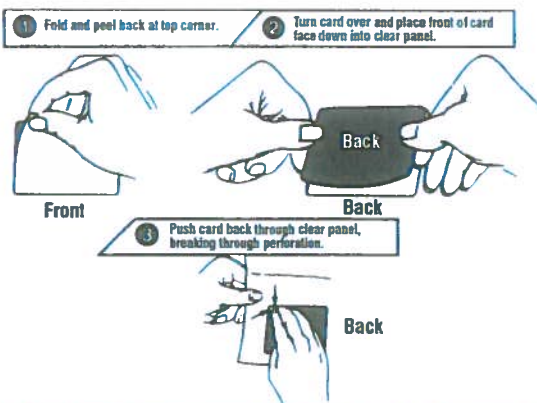
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Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com

I UNITED STATES OF AMERICA XI
 DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME
 SCOTT RICHARD BENTON

V ADDRESS 31050 LA HIGHWAY 16 APT 511
 DENHAM SPRINGS LA 70726-6992

VI NATIONALITY USA **SEX** HEIGHT WEIGHT HAIR EYES
 IVa **D.O.B.** 17 SEP 1983 M 74 220 BROWN BLUE

IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II REMOTE PILOT

III CERTIFICATE NUMBER 4644960

X DATE OF ISSUE 31 MAR 2022

XIV *Billy Nelson* 



VIII ACTING ADMINISTRATOR





SCOTT RICHARD BENTON **XII RATINGS** 4644960

REMOTE PILOT **XIII LIMITATIONS**

SMALL UNMANNED AIRCRAFT SYSTEM

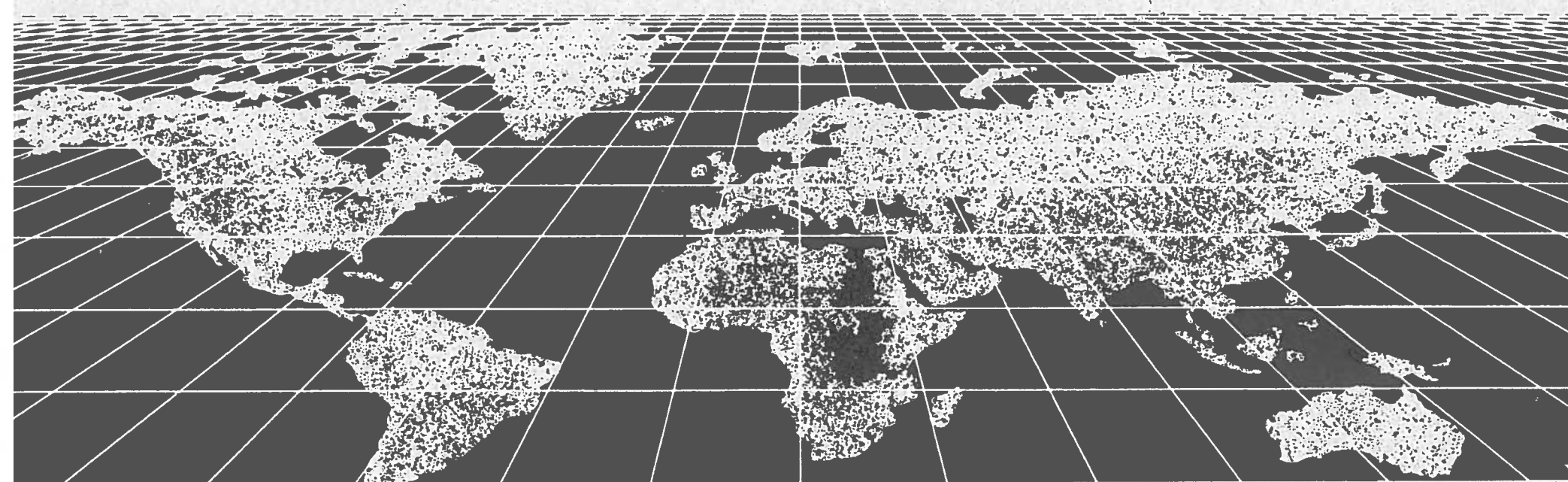
VII SIGNATURE OF HOLDER  



C E R T I F I E D
SURVEY TECHNICIAN

Philip S. Dupree

through knowledge, experience and testing has met the requirements
established by the Certified Survey Technician Board.



Level III Boundary

0799-1106

Level

Certificate Number

6/30/2023

President

Amanda J. Alred

Expiration Date



*The American Traffic Safety
Services Association*

Hereby recognizes that

Philip S Dupree
has attended
**Traffic Control Supervisor Refresher-LA State Specific
Training Course**

2/8/2019 to 2/8/2019
Date

Baton Rouge, LA
Location



Jessica Whigham
Training & Products Dept. Director
Ryan A. Wentz
President, CEO

CERTIFICATE IS AWARDED TO

PHILIP DUPREE

**Has successfully completed a flagger training course meeting the
requirement of the**

**LOUISIANA DEPARTMENT OF TRANSPORTATION
& DEVELOPMENT**

on the following date

JAN 15, 2022

Valid for 4 years from completion date.

Expires JAN 15, 2026

This temporary/backup certificate is valid with a government issued photo ID.

**Verify this certificate against the information online use the code below to view or print duplicate
certificates**

123-57-69229

Enter the code to verify this certificate is an original at

<https://process.onlineflagger.com/duplicate>



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jason Stoehr

has attended

Traffic Control Supervisor-LA State Specific

Training Course

5/12/2021 to 5/13/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "Langeville".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Testa".

President, CEO

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



American Traffic Safety Services Association ATSSA.com



Dear Certified Flagger:

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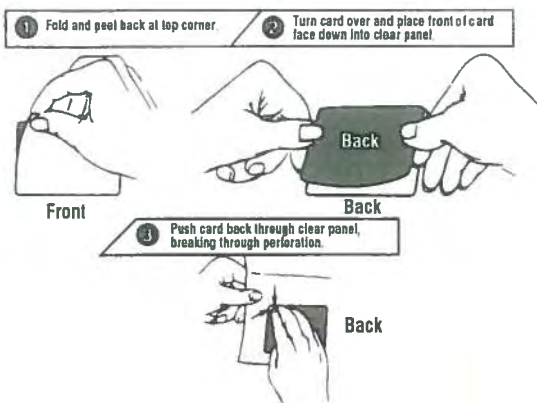
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Sincerely,

Director of Training

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AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

15 RIVERSIDE PARKWAY • SUITE 100 • FREDERICKSBURG, VA 22406-1022

TEL 540-368-1701 • FAX 540-368-1717 • TOLL FREE 800-272-8772 • TRAINING 877-642-4637

www.atssa.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jason Stoehr

has attended

Traffic Control Supervisor-LA State Specific

Training Course

5/12/2021 to 5/13/2025
Training Valid Through

Baton Rouge, LA
Location

A handwritten signature in black ink, appearing to read "Langeville".

Director of Training

A handwritten signature in black ink, appearing to read "Alex Testa".

President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Alexander Wells
has attended
Traffic Control Technician-LA State Specific
Training Course

5/11/2021 to 5/11/2025
Training Valid Through

Baton Rouge, LA
Location

Ramona Smith
Director of Training

Alan Tetzlauer
President, CEO

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



American Traffic Safety Services Association ATSSA.com



Certifies that:

C.J. Goodspeed

Completed a Training Course in the Theory and Practice of Applying Subsurface Interface Radar in Engineering and Geophysical Investigations.

UtilityScan® Tablet

Christopher Hawekotte
President

A handwritten signature in blue ink, appearing to read "Ch Hawekotte".

Lauren Couey
Training Supervisor

A handwritten signature in blue ink, appearing to read "Lauren Couey".

Date: 01/12/2022

Geophysical Survey Systems, Inc.

40 Simon Street • Nashua, NH 03060-3075
www.geophysical.com





Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

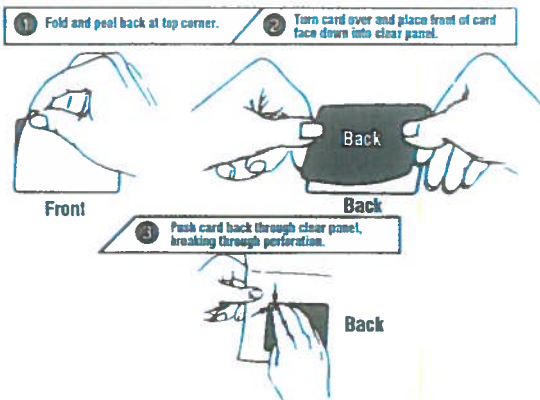
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Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,

Director of Training

Laminating the front of your card with Dual Laminate:





PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Drennon Humphreys
has attended
Traffic Control Technician-LA State Specific
Training Course

5/11/2021 to 5/11/2025
Training Valid Through

Baton Rouge, LA
Location

Ramgobith
Director of Training
Alan Tereshko
President, CEO

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



American Traffic Safety Services Association ATSSA.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Drennon Humphreys
has attended
Traffic Control Technician-LA State Specific
Training Course

5/11/2021 to 5/11/2025
Training Valid Through

Baton Rouge, LA
Location

Ramgobith
Director of Training
Alan Tereshko
President, CEO

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



American Traffic Safety Services Association ATSSA.com

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Civil Design & Construction, Inc.	Ms. Karla Weston P. O. Box 857 Port Allen, Louisiana 70767

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000555	Active	02/10/2006	09/30/2023	Mr. Ralph D. Burgess # PLS.0005040 - Active



Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor
Eric Kalivoda, Secretary

April 14, 2023

Civil Design & Construction, Inc.

Attn: Karla Weston
PO Box 857
Port Allen, LA 70767

Dear Karla Weston,

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section has received your firm's Disadvantaged Business Enterprise (DBE) and Small Business Element (SBE) annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for only the following specific work categories that fall under the listed NAICS codes:

NC541330-Engineering Services

C05-Structural Engineering

C09-Civil Engineering

NC541340-Drafting Services

C03-Drafting

NC541350-Building Inspection Services

C21-Construction Inspections

NC541370-Surveying and Mapping (except Geophysical) Services

C06-Land Surveying

C12-Right-of-Way

727-Mobilization

740-Construction Layout

CSL-Construction Layout Design

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of \$50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of \$10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **March 31, 2024**. However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

Civil Design & Construction, Inc.

April 14, 2023

Page 2

The LADOTD has contracted SJB Group, LLC to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Contact Jackie des Bordes or Kenyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

The Louisiana UCP certifying entity reserves the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,

Rhonda Wallace

Rhonda Wallace
DBE/SBE Programs Manager

Enclosure (Certificate)



LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations
& under the State of Louisiana United Certification Program (LAUCP)

Civil Design & Construction, Inc.

Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC541330, NC541340, NC541350, NC541370

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: March 2023 to March 2024

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager


Louisiana Department of Transportation & Development



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/25/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Christina Marie Florez
3595 Grandview Parkway, Suite 300
Birmingham, Alabama 35243

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Ms. Christina Marie Florez		
License/Certificate Type - Number	Expiration Date	
PE.0038799	09/30/2024	
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>		

Fold Here

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Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

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Certificate of Completion

presented to

Christina Florez

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Christina Florez

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Christina Florez

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 3



Authorized Instructor



Authorized Instructor



Authorized instructor





PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Christina Florez
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/5/2021 to 4/5/2025
Training Valid Through

Baton Rouge, LA
Location

Raymond B. Hill
Director of Training

Sharon Teraviva
President, CEO

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



American Traffic Safety Services Association ATSSA.com

Certificate of Training

this certifies that

Christina Florez

*has successfully completed the training
program requirements for*

National Flagger Certification Training Course



Awarded on this **13th** day of **June 2022**


This certificate is valid for 30 days from the date awarded.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/25/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Julian Van Bordelon
10000 Perkins Rowe, Suite 280
Baton Rouge, Louisiana 70810

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Julian Van Bordelon		
License/Certificate Type - Number	Expiration Date	
PE.0047473	09/30/2023	
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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Certificate of Completion

presented to

Julian Bordelon

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 1, 2019

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 2.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Julian Bordelon

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 1, 2019

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor



Certificate of Completion

presented to

Julian Bordelon

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: July 2, 2019
Location: Baton Rouge, Louisiana

*Professional Development
Hours (PDHs) Awarded:* 3.5



Authorized Instructor



Authorized Instructor



Authorized instructor





Daniel R. Knott

is hereby certified as a

Traffic Signal Inspector

by completing all requirements and examination for certification
on 9/29/2021

Valid thru 9/29/2024

Certification #SI_60319


Toby Cummings, CAE - Executive Director



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Daniel Knott

has attended

Traffic Control Supervisor-LA State Specific

Training Course

12/15/2021 to 12/16/2025
Training Valid Through

Baton Rouge, LA
Location

Ronja Burt
Director of Training

Alan Fischer
President, CEO

ATSSA provides training and certification for traffic control employees by ATSSA.



American Traffic Safety Services Association ATSSA.com



Daniel R. Knott

is hereby certified as a

Traffic Signal Construction Tech. Level II

by completing all requirements and examination for certification
on 9/29/2021

Valid thru 9/29/2024

Certification #BC_60319


Toby Cummings, CAE - Executive Director



Daniel R. Knott

is hereby certified as a

Traffic Signal Field Technician Level II

by completing all requirements and examination for certification
on 9/29/2021

Valid thru 9/29/2024

Certification #BE_60319


Toby Cummings, CAE - Executive Director



Daniel R. Knott

is hereby certified as a

Traffic Signal Field Technician Level II

by completing all requirements and examination for certification
on 9/29/2021

Valid thru 9/29/2024
Certification #BE_60319


Toby Cummings, CAE - Executive Director



NATIONAL FIRE PROTECTION ASSOCIATION

NFPA 70, National Electrical Code (NEC) (2023)

Online Training Series

CERTIFICATE OF COMPLETION

DANIEL KNOTT



Completion Date: May 18, 2023
CEUs: 1.0 or 10 hours

President, National Fire Protection Association

Jim Pawley


IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER!



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/25/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. John Steven Weres
13301 Harper Court
Gulfport, Mississippi 39503

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. John Steven Weres		
License/Certificate Type - Number	Expiration Date	
PE.0036429	09/30/2023	
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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Disclaimer

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In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:

John S. Weres

Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gourrier Avenue, Room 179
Baton Rouge, Louisiana 70808

Please select the date you attended the course:

- Tuesday, April 12, 2016
- Wednesday, April 13, 2016
- Tuesday, May 10, 2016
- Wednesday, May 11, 2016
- Tuesday, July 12, 2016
- Wednesday, July 13, 2016

You have earned 8 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.

Amy R. Squitieri
Mead & Hunt Instructor
Amy Squitieri

Darrell J. Berry
Mead & Hunt Instructor
Darrell Berry, PE, SE



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

John Weres

has participated in

***FHWA-NHI-130092 Load and Resistance Factor Rating of
Highway Bridges***


hosted by

Mississippi Department of Transportation

Date: June 07-10, 2022

Hours of Instruction: 24


Location: Jackson, MS



Instructor



Local Coordinator



Instructor

Thomas Harman

Thomas Harman, Director
National Highway Institute



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

JOHN WERES

has participated in

***FHWA-NHI-130078 Fracture Critical Inspection
Techniques for Steel Bridges***

hosted by

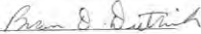
LA DOTD/LTRC

Date: February 26 – March 1, 2019 *Hours of Instruction:* 25

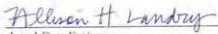
Location: Baton Rouge, LA



Instructor



Instructor



Local Coordinator



Michael Davies, Director
National Highway Institute



U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute

Certificate of Training



John Weres

has participated in

***FHWA-NHI-130091B Underwater Bridge Repair, Rehabilitation, and
Countermeasures***

hosted by

Texas Department of Transportation

Date: July 17-18, 2018

Location: Fort Worth, TX

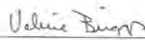
Hours of Instruction: 14

Instructor

Instructor



Local Coordinator



**Valerie Briggs, Director
National Highway Institute**



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

John Weres

has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

hosted by

Kansas Department of Transportation

Date: *February 2-13, 2015*

Hours of Instruction: *67*

Location: *Topeka, Kansas*

Guy R. Lang PE

Instructor

Becky Welsh

Local Coordinator

William R. Gardner PE

Instructor

Valerie Briggs

Valerie Briggs, Director
National Highway Institute



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

John Were

has participated in

***FHWA-NHI-130087 Inspection and Maintenance of Ancillary
Highway Structures***

hosted by

COLLIERS ENGINEERING & DESIGN

Date: October 28-29, 2021

Hours of Instruction: 12

Location: Miami, FL

Terence M. Brone

Instructor

Stacy Miller

Instructor

Cory Joseph Hogan

Local Coordinator

Thomas Harman


Thomas Harman, Director
National Highway Institute



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/25/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Courtney Jermaine Rome
57665 Morrison Boulevard
Plaquemine, Louisiana 70764

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Courtney Jermaine Rome		
License/Certificate Type - Number	Expiration Date	
PE.0043355	09/30/2023	
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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Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

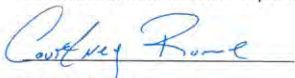
Disclaimer

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In cooperation with the
Louisiana Department of Transportation & Development
presents this

Certificate of attendance and participation for:



Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4099 Gourrier Avenue, Room 175
Baton Rouge, Louisiana 70808

Please select the date you attended the course:

- Tuesday, May 1, 2018
 Wednesday, May 2, 2018

You have earned 8 PDH units that can be applied to applicable
continuing education requirements for professional engineering
licensure.



Mead & Hunt Instructor
Amy Squitieri



Mead & Hunt Instructor
John A. Rathke, PE, SE



U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute



Certificate of Training

Courtney Rome

has participated in

FHWA-NHI-135095

Two-Dimensional Hydraulic Modeling of Rivers at Highway Encroachments

hosted by

Arkansas State Highway & Transportation Department

Date: November 15-17, 2016

Hours of Instruction:

Location: Little Rock, AR

Each Day of Training = 7 Hours




Instructor



Local Coordinator



Instructor



**Valerie Briggs, Director
National Highway Institute**



U.S. Department
of Transportation
Federal Highway
Administration

National Highway Institute



Certificate of Training

COURTNEY ROME

has participated in

*FHWA-NHI-130056 Safety Inspection of In-Service Bridges
for Professional Engineers*

hosted by

LA DOTD/LTRC

Date: May 13-17, 2019

Hours of Instruction: 34

Location: Baton Rouge, LA



Instructor



Instructor



Local Coordinator



Michael Davies, Director
National Highway Institute



U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute

Certificate of Training

Courtney Rome

has participated in

FHWA-NHI-132070 Drilled Shaft Foundation Inspection

hosted by

Arkansas Highway and Transportation Department

Date: June 6-8, 2017

Location: Little Rock, AR

Hours of Instruction: 14.0

Instructor

Instructor

Local Coordinator

**Valerie Briggs, Director
National Highway Institute**



21. QA/QC Plan and/or Work Plan:

This document has been prepared to outline the Quality Control/Quality Assurance (QC/QA) procedures related to the design and design drawings of existing and proposed roadway lighting projects associated with and specifically for the **Retainer Contract Nos: 4400026073 and 4400026074 for Electrical Services** as required by the Louisiana Department of Transportation and Development's Request for Qualification Statements for this project. The QC/QA procedures and guidelines developed herein are to ensure that Buchart Horn, Inc. (BH) has developed the design and design drawings in accordance with the Contract and that the design and design drawings have been properly checked to assure quality and completeness in BH's finished product.

BH shall manage the design and design quality control throughout the development of plans and specifications for this project. BH has designated a QC/QA manager for this project who will oversee the overall quality program, perform independent Quality Assurance reviews, and prepare and implement the QC/QA plan. BH is fully aware of its responsibility for the QC/QA of design work performed on this project and that review by LADOTD does not relieve BH of this responsibility. This QC/QA plan has been prepared in accordance with the requirements set forth in "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-08-17)," FHWA, AASHTO, August 2011. Additionally, the requirements of the applicable BDTMs and Part I, Chapter 3 of the Louisiana Department of Transportation and Development Bridge Design and Evaluation Manual (BDEM) will be followed throughout the project.

BH **clearly** understands the importance of a defined QC/QA process and makes strides to complete these goals through the following efforts:

1. Demonstrate clear understanding that the Consultant is fully responsible for QC/QA of their work and DOTD is not responsible for performing QC/QA of the consultant's work.
2. Demonstrate a clear understanding of QC/QA concepts in bridge design. Definitions of QC/QA are clearly defined.
3. Responsibilities of the Designer, Checkers, Reviewer, and Engineer of Record are clearly defined.
4. QC/QA processes are clearly described and should be very effective to ensure the accuracy of the design and the plan details.
5. The designers and QC/QA personnel are clearly identified and are exceedingly qualified to perform the work.
6. QC/QA tools, such as checklists, standard forms, training materials, etc., have been developed and well-documented. These tools are well suited for the scope and complexity of the project.

BH assumes all responsibility for the QC/QA of their work as well as the work of all sub-consultants.

Sub-consultants will be provided with this plan document and will be required to adhere to this policy through sub-consultant agreements developed for the team.

Terms and Definitions

Quality Assurance (QA): Procedures of reviewing the work to ensure the quality control are in place and effective in preventing mistakes and consistency in the development of electrical design plans and specifications.

Quality Control (QC): Procedures of checking the accuracy of the calculations and consistency of the drawings, detecting and correcting design omissions and errors before the design plans are finalized.

Designer: An individual directly responsible for the development of design calculations, drawings, specifications, and contract documents and review of shop drawings related to a specific electrical design with a level of technical skills and experience commensurate with the complexity of the electrical being designed. A designer shall be either a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. The designer’s experience should be commensurate with the complexity of the electrical being designed.

Design Checker: An individual responsible for performing a full technical review of the calculations, drawings, specifications, and contract documents. A Design Checker shall be a Professional Engineer licensed in the State of Louisiana or certified as an Engineer Intern under the direct supervision of a licensed Professional Engineer. If the Designer is an Engineer Intern, the Design Checker should be a Professional Engineer. The checker’s experience should be commensurate with the complexity of the electrical being designed /checked.

Reviewer: An individual responsible for performing QA procedures to ensure that QC/QA procedures have been performed.

Engineer of Record: A Licensed Professional Engineer responsible for all electrical aspects of the design. This individual is responsible for sealing and signing the final project plans.

QC/QA Responsibilities

The following table outlines the team members who have been selected to perform the individual QC/QA assignments for the electrical design.

Retainer Contract for Electrical Services

Contract Nos. 4400026073 and 4400026074

Engineer of Record (EOR): Sherry L. Wolfe, P.E., AVP

QC/QA Manager: Kevin Gaspard, P.E.

Lighting Design
Designer: Steve Moore & Tyler Bos
Design Checker: Sherry L. Wolfe
Detailer: Joseph F. Mingo & Hugo A. Leiva
Detail Checker: Sherry L. Wolfe
Reviewer: Kevin Gaspard



QC/QA Procedures

1. Checking of Calculations

INTRODUCTION

Calculations are to be done on calculation tablet sheets for each design organization. Calculations shall include sketches to clarify the calculations, assumptions, references, units, and conclusions. The calculations shall reference the specific component to which they apply.

RESPONSIBILITIES

Engineer of Record – Ensures that personnel assigned to the project are capable of performing the analysis and calculations. EOR is also responsible for direct oversight and supervision of the design and assembles or appoints personnel to assemble and maintain the project's original calculations and calculation checks.

Designers – Prepare all calculations in a neat and logical manner that is conducive to checking. Provide the calculations to the Checker in a timely fashion.

Checkers – Thoroughly check the calculations starting with assumptions, mandated parameters, references, given values and formulas, omissions, and correctness of arithmetic. The Checker is responsible for asking questions of the Designer in areas that are not clear or seeking technical advice if unsure of any particular element of the calculation.

QC/QA Manager – Performs independent reviews and audits to ensure that procedures are being followed for checking calculations.

PROCEDURE

1. Identify each sheet of calculations with the designer's initials, date, project name, and sheet number. Indicate the portion of the project being designed in the upper right corner of each sheet below the title block. A set of design calculations for a component should generally be less than 20 pages. A component of a project shall be checked promptly upon completion of calculations. Normally, design and quantity calculations are not combined.
2. The Designer shall make a copy (checking copy) of the calculation set and give it to the checker. The originals shall then be placed in a designated binder or folder in a convenient location, which the entire design team can access.
3. The checker shall fill in the checking copy headings with initials and date in red. All errors and disagreements shall be marked in red. Yellow shall be used to indicate that information that has been checked is correct.
4. The checker shall promptly return the checking copy to the Designer for review. If the Designer agrees with the checker's markup, the Designer shall put a green check on red marks. When the Designer and Checker disagree, the Engineer of Record shall resolve the dispute.

5. The Designer shall change the originals and return the originals and the checking copy to the checker for the checker's initials and date to be placed on the original.
6. The originals shall immediately be placed back into the calculation folder or binder. The checking copy shall be kept as required.

2. Checking of Drawings

INTRODUCTION

Timely checking of drawings is important for efficient performance. A drawing used as a base by several disciplines should be checked and corrected before further additions are made; this will eliminate the need to check and correct the same items on subsequent drawings.

RESPONSIBILITIES

The **Engineer of Record**, with the help of the QC/QA Manager, will ensure that this procedure is implemented on all project drawings and that the check prints are assembled and available for audit.

The **Designer** of the work on a document has the primary responsibility for accuracy and adequacy. The Designer does not intend to rely upon the checking system to complete the drawing.

The Designer of each document is responsible for making the Check Print, stamping, and dating it, following that Check Print through the process, and obtaining the required signoffs.

Checkers are responsible for checking the drawings, independent of the Designer, for accuracy and adequacy of all the information shown, including geometry.

QC/QA Manager performs audits to ensure that procedures are being followed regarding checking the drawings.

PROCEDURE

1. As each drawing individually is completed and deemed ready for checking, the Designer signs or initials the title block of drawings, makes a Check Print copy, and affixes, numbers, and dates the Check Print stamp on the print of each drawing. This is to be done on each drawing print separately, not on the set of prints, even if the same information is put on the check print stamp.
2. The Checker checks the Check Print of the drawing for technical adequacy and conformance to any applicable standards and format and performs specific accuracy checks required for that type of drawing. Checking activity is recorded directly on the Check Print. The Checker is responsible for ascertaining that the drawing is consistent with the corresponding calculations and signing off that those calculations have been properly checked. In order to document the checking process, the Checker highlights in yellow on the Check Print each part checked that is found to be correct and marks in red on the Check Print corrections, additions, or deletions.

NOTE: Red or yellow should not be used to note comments or instructions. These colors are reserved for the checking process. Comments or instructions should be written in blue ink.

The Checker signs and dates the Check Print stamp upon completion of the check.

In the case where no corrections, additions, or deletions are found, there is no need for backchecking or further signatures on the Check Print stamp. The Check Print and original drawing, signed in the appropriate checked block, should be returned to the Designer for placement in the projects file.

3. The Designer (acting as Back checker) reviews the Checker's marks on the Check Print and personally makes or supervises the update of the Drawing Original.

To document the back-checking process, the Designer:

- Checkmarks in green each of the Checker's red-marked changes if in agreement that the Original should be changed and added in green, with the concurrence of the Checker, any additional changes not picked up by the Checker.
- Crosses out in green each of the Checker's red-marked changes that both the Designer and the Checker agree should not be changed. The Back checker should not obliterate the Checker's marks.

NOTE: The Back checker and Checker should resolve differences encountered during the checking process so they are not repeated. If the two individuals cannot achieve a resolution, the appropriate Design Unit Engineer or Design Manager should be requested to resolve the differences.

- Signs and dates the Check Print stamp.
4. Correction of the Drawing Original should be supervised by (or drafted by) either the Designer or Checker since both know exactly what needs to be done.

When making the Check Print corrections to the Drawing Original, the engineer, draftsman, or CADD operator highlights in blue each correction as incorporated. The person correcting the drawing signs and dates the Check Prints stamp upon completion of the corrections.

5. When corrections are made by a third party (not the Designer or checker), the Check Print should be verified by the Checker or Designer to ensure that the agreed-to corrections have been incorporated without error. If the corrections are not made or are erroneous, the Check Print with penciled instructions is returned to the corrector. After reviewing its incorporation on the Original Drawing, the Verifier puts a blue check mark next to each blue-highlighted item.

The Verifier signs and dates the Check Print stamp, as applicable.

After the corrections have been verified, the Checker initials the "checked by" block on the title block of the Drawing Original.

6. The completed original (or CADD file) is put under the control of the Engineer of Record or a designee in order to prevent further changes in the drawing that could invalidate the checking which has been done. The Engineer of Record or a designee releases the checked drawing to other disciplines to use as a baseline for their input or to the client.

NOTE: When there is a change to a checked drawing, a new Check Print must be made to check the area that has been changed. The Check Print is stamped and labeled Check Print 2, 3, 4, etc., as applicable, and attached to the previous check print(s). The checking follows the same procedure as that of the original Check Print, except that only the portions that changed are marked up as having been checked.

7. If changes mandated by the client at the final review are simple in nature, the Engineer of Record or a designee may abbreviate the checking process by noting the changes in red on a new Check Print (which should be sequentially numbered) and signing the Check Print as the Back checker, indicating that the changes do not materially affect the design. Then the normal correcting and verifying processes should be utilized.

Exceptions to the procedural documentation of the Check Prints can be given only by the QC/QA Manager based on the project's size, character, and complexity.

Certifications

The Consultant Submittal QC/QA Certification will accompany all submittals as required by the Bridge Design Section QC/QA Policy. Additional checklist(s) may be added by the QC/QA Manager based upon the scope, character, and complexity of the project, should this change throughout the course of design.

Appendix A: Design Criteria Checklist

Design criteria for each project shall include, but not limited to, the following sections:

— **Cover sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

— **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

— **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section along with supporting documents.

— **General Information**

The general information as listed below should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

— **Hydraulic Design Criteria**

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section and the information shall be provided by the Hydraulic Engineer.

— **Design Factors**

The ductility factor η_D , redundancy factor η_R , and operational importance factor η_I shall be listed in this section.

Design Loads

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

Limit States

All applicable limit states for this project shall be listed in this section.

Bridge Barrier

The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

Guardrail

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

Approach Slab

Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

Deck and Deck Drainage

All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

Bearing

All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Joint

All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Superstructure

All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Substructure

All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

Piles and Drilled Shafts

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

Geotechnical Design

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

Mechanical Design

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

Electrical/Lighting Design

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

As-Designed Bridge Rating Criteria

All as-designed bridge rating criteria shall be included in this section.

Software

All software used for design and check shall be included in this section.

N/A = Not Applicable

Appendix B: Final Calculation Book Checklist

The final calculation book for each project shall include, but not limited to, the following sections:

— **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of “Final Calculation Book”
- The EOR’s seal with signature and date

— **Final Calculation Book Check List**

— **QC/QA Certifications**

— **Peer Review Resolution Agreement (if peer review is performed)**

— **Design Criteria**

— **Final Hydraulic Analysis Report from Hydraulic Engineer**

— **Final Geotechnical Analysis Report from Geotechnical Engineer**

— **Superstructure Design Calculations**

— **Substructure Design Calculations**

— **Quantity Calculations**

— **Special Provisions/NS-Items**

— **Construction Cost Estimate**

— **As-Designed Rating Report**

— **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Consultants shall submit the final calculation book to LADOTD bridge task managers; the submittal shall be on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

- **A PDF File of the Calculation Book**
- **All Electronic Design Files**
- **A PDF File of the As-Designed Rating Report Only**

The final calculation book for in-house projects shall include the same files listed above for consultant projects. The final calculation book and other final design documents for all projects including in-house and consultant projects shall be uploaded to the archiving location designated in the record retention policy within 30 calendar days after the stamped final plans are delivered.

N/A = Not Applicable

Bridge Design Section QA/QC Policy (October 2012)

Appendix B

Appendix C: QA Information Package Checklist

Project No.:

Project Description:

- Calculation Book
- Plans
- Special Provisions
- Cost Estimate
- Other Documents _____

N/A = Not Applicable



Appendix D: QC/QA Certification

Project No.:

Project Name:

We, the undersigned designers, detailers, checkers and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for the project. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						



Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

Appendix E: Peer Review Resolution Agreement

Project No.:

Project Name:

We, the undersigned Peer Reviewer, Supervisor or Team Leader of the design team, and LADOTD Representative for this project, have reviewed and accepted the attached peer review resolutions. We certify that the peer review has been performed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Team Members	Name	Signature
Peer Reviewer		
Supervisor or Team Leader		
LADOTD Representative		

Appendix H: Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not limited to, the following items:

- ___ Introduce LADOTD Bridge Task Manager and the Consultant's Key Team Members (The Supervisor or Team Leader and Key Designers/Design Checkers/Reviewers)

- ___ Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document
(The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)

- ___ Determine Schedules for Project Submittals
(Design Criteria, TS & L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)

- ___ Share Expectations and Consultant Rating Criteria
(Consultant rating will be performed for all project submittals shown on the project submittal schedule.)

- ___ Discuss Design Criteria

- ___ Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims (Staff shown on invoices will be reviewed in accordance with the staffing plan.)

Appendix I: Consultant Submittal QC/QA Certification

Project No.:

Project Name:

I, the undersigned Supervisor or Team Leader for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and LADOTD Bridge Design Section policy on QC/QA and the information presented is accurate and meets the requirements of this submittal. All CAD drawings meet LADOTD CAD standards.

Submittal Description

_____ Supervisor or Team Leader Name	_____ Signature	_____ Date
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22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Civil Design & Construction, Inc.	PO Box 857 Port Allen, LA 70767	Karla E. Weston, PE Kweston@cdcbr.com	(225) 765-1803
Gresham Smith	10000 Perkins Rowe, Suite 280, Baton Rouge, LA 70810	Herbert "Bert" Moore, II, P.E., PLS, PTOE bert.moore@greshamsmith.com	(225) 757-5849

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.



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