Statement of Qualifications for:

Bayou Blue (LA 316) Sidewalks

Contract No. 4400023783

State Project No. H.013453

Submitted to:

LA Depatrment of Transportation and Development

April 6, 2022

BUCHART HORN
ENGINEERS · ARCHITECTS · PLANNERS

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

Contract title as shown in the advertisement	Contract for Bayou Blue (LA 316) Sidewalks
Contract number(s) as shown in the advertisement	4400023783
State Project Number(s), if shown in the advertisement	H.013453
Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Buchart Horn, Inc.
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
Prime consultant mailing address	18163 East Petroleum Drive, Suite A Baton Rouge, LA 70809
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
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
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

1. 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: April 6, 2022
2. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): N/A Firm(s)' %: N/A

12. Past Performance Evaluation Discipline Table:

Evaluation Discipline(s)	% of Overall Contract	Prime	Firm A	Each Discipline must total to 100%
Road	**60%**	**100%**		100%
Survey	**30%**		**100%**	100%
Right-of-Way	**10%**		**100%**	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	**100%**	**60%**	**40%**	

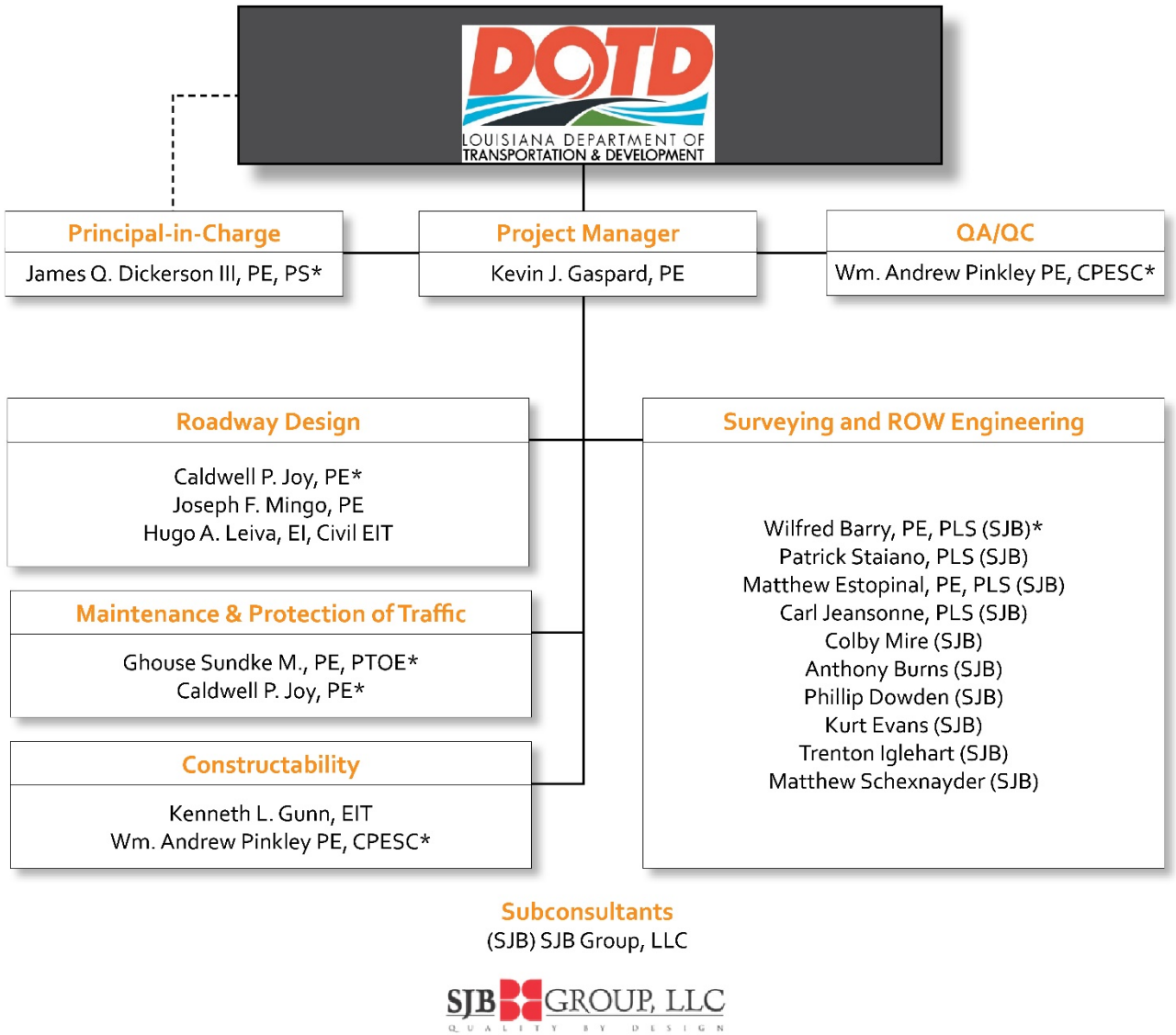
Prime consultant name**: Buchart Horn, Inc.**

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	2	3
Buchart Horn, Inc.	Supervisor Engineer	3	4
Buchart Horn, Inc.	Engineer	2	3
Buchart Horn, Inc.	Engineer-Other	1	5
Buchart Horn, Inc.	Engineer Intern	1	1
Buchart Horn, Inc.	Planner	1	1
SJB Group, Inc.	CADD-Operator	2	3
SJB Group, Inc.	Instrument Man	4	4
SJB Group, Inc.	Party Chief	6	6
SJB Group, Inc.	Principal	1	1
SJB Group, Inc.	Professional	1	1
SJB Group, Inc.	Rodman	1	1
SJB Group, Inc.	Senior Technician	4	5
SJB Group, Inc.	Supervisor – Other	2	5
SJB Group, Inc.	Surveyor	2	2

(Add rows as needed)

14. Organizational Chart:



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

Prime consultant name: **Buchart Horn, Inc.**

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, 2, 3	James Q. Dickerson, III, PE, PS		Professional Engineer PE.0038922	LA	9/30/2022
2, 3	Kevin J. Gaspard, PE		Professional Engineer PE.0023835	LA	3/31/2023
2, 3	Ghouse Sundke M., PE, PTOE		Professional Engineer PE.0039678 Professional Traffic Operations Engineer	LA N/A	9/30/2023 3/24/2023
2, 3	Wm. Andrew Pinkley, PE, CPESC		Professional Engineer PE.0040713	LA	9/30/2022
2, 3	Caldwell (Cal) P. Joy, PE		Professional Engineer PE.0043830	LA	3/31/2024
2, 3	Joseph F. Mingo, PE		Professional Engineer PE.0043700	LA	3/31/2024
4, 5	Wilfred Barry, PE, PLS	SJB GROUP, LLC QUALITY BY DESIGN	Professional Land Surveyor PLS.0004612 Professional Engineer PE.0017452	LA LA	03/31/2024 03/31/2024
4, 5	Patrick Staiano, PLS	SJB GROUP, LLC QUALITY BY DESIGN	Professional Land Surveyor PLS.0005130	LA	09/30/2023
4, 5	Carl Jeansonne, PLS	SJB GROUP, LLC QUALITY BY DESIGN	Professional Land Surveyor PLS.0004543	LA	03/31/2023

16. Staff Experience:

Firm employed by	BUCHART HORN		
Name	**Kevin J. Gaspard, PE**	Years of relevant experience with this employer	2
Title	**Senior Civil Engineer**	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0023835 / LA / Exp. 03/2023;	
Year registered	1990	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		**Project Manager**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time 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 38 years of engineering experience and is a highly skilled Project Manager. **Mr. Gaspard meets MPR No. 2 & 3.**
01/21 – Ongoing	**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.
04/21 – 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.
03/20 – Ongoing	**Citrus Boulevard Improvements Traffic Engineering, Jefferson Parish, LA.** BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection. Plans provided to Jefferson Parish consisted of a traffic signal layout, including a phasing, signal wiring, an electrical schedule, signal head types, and sign layouts. Existing signal equipment in the field was inventoried and coordinated with the parish to determine best means of utilizing existing equipment.

03/20 – Ongoing	**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.
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.
10/20 – Ongoing	**On-Call Contract for Electrical Services, LADOTD, Statewide, LA.** Five-year contract providing as-needed electrical engineering services. Services may include but are not limited to highway lighting, navigational lighting, mechanical/electrical design and other related electrical work.
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.
08/20 – 08/21	**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.
06/20 – Ongoing	**New Lighting Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.** 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. Construction inspection services will be performed by a subconsultant. Project Manager
06/20 – Ongoing	**West Bank Group B Street Improvements, City of New Orleans DPW, Algiers, 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. Project Manager
06/20 – Ongoing	**Harrison Avenue Improvements Design, Phase I, St. Tammany Parish, Covington, LA.** Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage. Project Manager

Firm employed by	BUCHART HORN		
Name	**James Q. Dickerson, III, PE, PS**	Years of relevant experience with this employer	14
Title	**Vice President –Southern Transportation Operations**	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		BS / 1974 / Civil Engineering, University of Mississippi	
Active registration number / state / expiration date		07586 / MS / Exp. 12/2021; PE.0038922 / LA / Exp. 09/2022 PLS-02132 / MS / Exp. 12/2021	
Year registered	1979	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		**Principal-in-Charge and QA/QC**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Dickerson has more than 47 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 No. 1, 2, & 3.**
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.
12/15 – 01/21	**US 167 Feasibility and Planning Study, Elsie Street to Gilbert Drive, LADOTD, Ville Platte, LA.** BH is preparing a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates will be prepared. Principal-in-Charge with quality control oversight.
07/17 – 08/18	**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, SUE, and construction engineering and inspection. Principal-in-Charge with quality control oversight.
07/17 – 07/20	**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. Principal-in-Charge with quality control oversight.

04/19 – 08/19	**Citrus Boulevard Improvements Traffic Engineering, Jefferson Parish, LA.** BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection. Principal-in-Charge with quality control oversight.
12/15 – 12/20	**Retainer Contract for Feasibility and Planning Studies, LADOTD, Statewide, LA.** Five-year retainer contract to perform feasibility and planning studies for various transportation projects throughout Louisiana. BH has previously been awarded several similar contracts. Work will be assigned by task order over the life of the contract. Principal-in-Charge with quality control oversight.
07/17 – Ongoing	**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. Principal-in-Charge with quality control oversight.
05/21 – Ongoing	**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. Principal-in-Charge with quality control oversight.
04/13 – Ongoing	**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. Principal-in-Charge with quality control oversight.
03/19 – Ongoing	**LA 117 from LA 8 to LA 118 Feasibility and Planning Study and Environmental Inventory, LADOTD, Leesville, LA.** BH performed a Feasibility and Planning Study (referred to by the LADOTD as a "Stage 0" study) for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared. Principal-in-Charge with quality control oversight.
03/19 – 02/20	**LA 429 Connector Feasibility and Planning Study, LADOTD, Ascension Parish, LA.** BH prepared a Feasibility and Planning Study to evaluate alignments for a limited-access corridor (LA 429) in the vicinity of I-10, between LA 30, LA 73, and US 61 in Ascension Parish, LA. The purpose of the new LA 429 connector road is to create another route for motorists to travel from LA 30 to US 61, decreasing travel time along existing corridors. Two alternatives for the widening and reconstruction of LA 429 will be evaluated. The scope consists of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Principal-in-Charge with quality control oversight.

Firm employed by	BUCHART HORN				
Name	**Wm. Andrew Pinkley, PE, CPESC**		Years of relevant experience with this employer	18	
Title	**Senior Civil Engineer**		Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization			MS / 1992 / Civil Engineering, Memphis State University; BS / 1984 / Civil Engineering, The University of Tennessee		
Active registration number / state / expiration date			20453 / TN / Exp. 01/2023; 16759 / MS / Exp. 12/2021; 63244 / FL / Exp. 02/2023; 14929 / AR / Exp. 12/2021; PE.0040713 / LA / Exp. 09/2022; PE031644 / GA / Exp. 12/2022		
Year registered	1989	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			**QA/QC, Constructability**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Pinkley has more than 36 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. 2 & 3.**
06/20 – 01/21	**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.
05/10 – 09/10	**US 72 Traffic Signalization Study and Optimization, Mississippi Department of Transportation, Corinth, MS.** Development, refinement, and implementation of coordinated traffic signal timing plans for eight signalized intersections in the city of Corinth, MS. Plans preparation for the upgrading of the signals were developed for implementation by MDOT personnel. Senior Engineer responsible for providing technical guidance to staff during traffic study and report preparation and performing QC reviews with design staff to ensure project met client's standards.
04/13 – 05/14	**Traffic Calming Feasibility Study, City of Memphis, TN.** Conducted traffic studies to determine the potential effectiveness of installing traffic calming devices and speed humps at 71 sites throughout Memphis. Typical activities included speed and volume studies, data collection and traffic studies, and device placement and petition packages. Senior Engineer responsible for providing technical support for roadway and traffic aspects of planning study and report. Also responsible for oversight and coordination with prime consultant of engineering studies to identify deficiencies and recommend improvements.

10/11 – 11/11	**Site Impact Study and Signal Warrant Analysis, Seeker Properties of Mississippi V, LLC, Oxford, MS.** Study to determine impacts of new development upon street system and whether a signal is warranted at intersection of Jackson Avenue and Harris Drive. Required conducting turning movement counts and performing a warrant study based on the additional traffic. Senior Engineer responsible for providing technical oversight and QA reviews of study and performing administrative tasks for project.
07/04 – 10/04	**Large Sanitary Sewer Interceptor Condition Inspection and Engineering Study, Memphis, TN.** Sewer interceptor (42-inch or greater) condition inspection and engineering study of approximately 80% of the City's 98 miles of interceptor, encompassing the Loosahatchie, Wolf, and Nonconnah River Basins and Beale and Front Streets. Project Manager responsible for inspecting sewer lines and providing technical guidance to staff during report preparation, performed QC reviews with design staff to ensure project met client's standards, as well as oversight and coordination with client.
08/03 – 06/05	**James Street Interchange/Overpass Traffic Study, Parsons Brinckerhoff/ArDOT, Jacksonville, AR.** Study of an urban interchange to identify roadway and traffic signal deficiencies. Short- and long-term improvements were recommended. Used HCM software and client-provided traffic movement counts and analyzed the existing signals, frontage roads, and unsignalized intersections. Senior Engineer responsible for providing technical support for roadway and traffic aspects of planning study and report and oversight and coordinating with prime consultant of engineering studies to identify deficiencies and recommend improvements.
12/03 – 06/05	**Highway 82 Improvement Study, ArDOT, Stamps, AR.** Planning study for a section of rural two-lane highway and the roadways intersecting it through the town of Stamps, Arkansas to determine if any deficiencies exist along this section of SR 82 and with its intersections at other state routes and local roads. Performed highway capacity analysis to determine capacity and investigation crash records to pinpoint any problem areas. Senior Engineer responsible for providing technical support for roadway and traffic aspects of planning study and report and oversight, as well as coordinating with prime consultant of engineering studies to identify deficiencies and recommend improvements.

Firm employed by	BUCHART HORN			
Name	**Caldwell (Cal) P. Joy, PE**		Years of relevant experience with this employer	1
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.			**Roadway Design, Maintenance & Protection of Traffic**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Joy has more than 9 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. **Mr. Joy meets MPR No. 2 & 3.**
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.
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.
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.
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.

02/21 – 02/21	**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.
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.
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.
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.
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
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.

Firm employed by	BUCHART HORN				
Name	**Ghouse Sundke M., PE, PTOE**		Years of relevant experience with this employer	15	
Title	**Project Civil Engineer**		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			MS / 2005 / Civil Engineering, University of Kentucky; BS / 2003 / Civil Engineering, Osmania University, India		
Active registration number / state / expiration date			00113378 / TN / Exp. 01/2023; PE.0039678 / LA / Exp. 09/2023; PE084050 / PA / Exp. 09/2023		
Year registered	2011	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			**Maintenance & Protection of Traffic**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Sundke has more than 15 years of experience in transportation planning, traffic engineering and highway design. He performs traffic studies, traffic signal design, signal timing, traffic modeling and simulation, safety analysis, roadway planning and design and maintenance of traffic control plans for BH's southern region offices. **Mr. Sundke M. meets MPR No. 2 & 3.**
04/19 – 02/20	**Citrus Boulevard Improvements Traffic Engineering, Jefferson Parish, LA.** BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection. Plans provided to Jefferson Parish consisted of a traffic signal layout, including a phasing, signal wiring, an electrical schedule, signal head types, and sign layouts. Existing signal equipment in the field was inventoried and coordinated with the parish to determine best means of utilizing existing equipment. Project Designer responsible for preparation of traffic signal plans.
12/12 – 12/12	**Anchorage Road Traffic Study, MAC Construction of Oxford, LLC, Oxford, MS.** Performed an analysis of the expected increase in traffic volumes from a new residential facility on the three nearest intersections to Anchorage Road to determine whether signals or other measures would be required to accommodate the planned growth Traffic Engineer responsible for conducting a traffic impact study for commercial development.
03/16 – 10/16	**Feasibility and Planning Study for LA 182 Sidewalk and Handicap Ramp Improvements, LADOTD, New Iberia, LA.** BH conducted a Feasibility and Planning Study (referred to by LADOTD as a "Stage 0" Study) to evaluate the feasibility of the rehabilitation and construction of approximately 1.8 miles of continuous sidewalks and handicap curb ramps along LA 182 in Iberia Parish, LA. Project Engineer responsible for preparing traffic engineering study report to determine if marked crosswalks are warranted.

12/08 – 02/09	**LA 28 Feasibility and Planning Study and Environmental Inventory, LADOTD, Rapides Parish, LA.** BH performed a Feasibility and Planning Study (referred to by the LADOTD as a "Stage 0" study) and Environmental Inventory to widen approximately 6.5 miles of LA 28 to four lanes from the end of the existing four-lane section at LA 1025 (Libuse) to LA 1207 (Holloway). Lead Designer responsible for traffic analysis, signal timing optimization, and preparation of traffic report.
10/12 – 11/12	Site Impact Study and Signal Warrant Analysis, Seeker Properties of Mississippi V, LLC, Oxford, MS. Study to determine impacts of new development upon street system and whether a signal is warranted at intersection of Jackson Avenue and Harris Drive. Required conducting turning movement counts and performing a warrant study based on the additional traffic. Traffic Designer responsible for traffic impact analysis, trip generation/distribution, and report preparation.
06/13 – 05/14	**Traffic Calming Feasibility Study, City of Memphis, TN.** Conducted traffic studies to determine the potential effectiveness of installing traffic calming devices and speed humps at 71 sites throughout Memphis. Typical activities included speed and volume studies, data collection and traffic studies, and device placement and petition packages. Project Manager responsible for analyzing various Memphis streets for eligibility of traffic calming devices and subsequently designed devices for eligible streets.
05/13 – 03/15	**Market Boulevard Traffic Signal, Town of Collierville, TN.** Field surveys, traffic counts, design services, and construction document preparation to install a coordinated, eight-phase traffic signal at the intersection of Civic Center Drive and Market Boulevard. The project includes design and development of construction documents for a 200-foot extension of Civic Center Drive on the east side of the current intersection. Traffic Engineer responsible for all aspects of traffic design.
04/10 – 06/12	**US 72 Traffic Signalization Study and Optimization, Mississippi Department of Transportation, Corinth, MS.** Development, refinement, and implementation of coordinated traffic signal timing plans for eight signalized intersections in the city of Corinth, MS. Plans preparation for the upgrading of the signals were developed for implementation by MDOT personnel. Project Manager responsible for traffic signal optimization, field survey, travel time analysis, field implementation and fine-tuning, and report preparation.

Firm employed by	BUCHART HORN			
Name	**Joseph F. Mingo, PE**		Years of relevant experience with this employer	7
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.			**Roadway Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Mingo has more than 7 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. **Mr. Mingo meets MPR No. 2 & 3.**
09/15 – 03/17	**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. Project Designer responsible for alternative development, crash and safety analysis, environmental documentation, report preparation, and cost estimation.
06/19 – 02/21	**US 167 Feasibility and Planning Study, Elsie Street to Gilbert Drive, LADOTD, Ville Platte, LA.** BH prepared a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared. Project Engineer responsible for CATscan safety analysis.
10/17 – 09/21	**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. Project Designer Project Engineer responsible for using MicroStation and InRoads to design and prepare plans for a single-lane roundabout as a part of the MoveAscension initiative, using LADOTD HYDR programs and InRoads Storm & Sanitary to design the subsurface drainage, and coordinating with the client to incorporate any wants and concerns.
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. Project Engineer responsible for preparing 30% design plans and other documents for submittal at various stages of the project.

09/17 – 02/21	**Retainer Contract for Feasibility and Planning Studies, LADOTD, Statewide, LA.** Five-year retainer contract to perform feasibility and planning studies for various transportation projects throughout Louisiana. BH has previously been awarded several similar contracts. Work will be assigned by task order over the life of the contract. Project Designer responsible for preparing exhibits for task order discussion.
11/18 – 04/21	**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 Designer responsible for performing peak period observations in the field and safety analysis using CATScan.
06/21 – 08/21	**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.
06/14 – 07/20	**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 Designer responsible for report preparation.
03/19 – 06/20	**LA 117 from LA 8 to LA 118 Feasibility and Planning Study and Environmental Inventory, LADOTD, Leesville, LA.** BH performed a Feasibility and Planning Study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared. Project Designer responsible for assisting with concept development and project exhibits.
03/19 – 09/20	**LA 429 Connector Feasibility and Planning Study, LADOTD, Ascension Parish, LA.** BH prepared a Feasibility and Planning Study to evaluate alignments for a limited-access corridor (LA 429) in the vicinity of I-10, between LA 30, LA 73, and US 61 in Ascension Parish, LA. The scope consists of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report.
08/15 – 07/20	**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 Designer responsible for meeting materials, report preparation, and cost estimation.

Firm employed by	BUCHART HORN			
Name	**Hugo A. Leiva, EI, Civil EIT**		Years of relevant experience with this employer	1
Title	**Civil Engineer-in-Training**		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Bachelor of Science/2018/Civil Engineering/Louisiana State University	
Active registration number / state / expiration date			Engineer Intern: LA, OSHA 10-hour Construction Safety & Health	
Year registered	2019	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			**Roadway Design**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time 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.
09/20 – Ongoing	**Harrison Avenue Improvements Design, St. Tammany Parish, Covington, LA.** Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage. Engineer Intern/Engineer-in-Training
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/Engineer-in-Training
01/21 – Ongoing	**LA 1/LA 415 Connector Study, LADOTD, Port Allen, LA.** BH is performing a preliminary study to evaluate roadway lighting for a new roadway connecting I-10 to LA 1 in West Baton Rouge Parish. The study will also evaluate navigational lighting for the new bridge over the intercoastal waterway. Following the preliminary study, final design will be performed by supplemental agreement. Engineer Intern/Engineer-in-Training
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/Engineer-in-Training
10/20 – 11/20	**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. Engineer Intern/Engineer-in-Training

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/Engineer-in-Training
10/20 – 09/21	**Move Ascension Roadway Design Services, Ascension Parish, LA.** On-call contract to provide professional engineering design and related services for the Move Ascension Parish Program initiative. LADOTD standards, references, manuals, quality control, and format requirements are required for all projects. The general scope for task orders may include any of the following: topographic survey, preliminary roadway plans, preliminary bridge plans, final plans, geotechnical investigation, subsurface utility engineering (SUE), right-of-way maps, construction engineering and inspection (CE&I), bidding, value engineering studies, permit sketches, and Stage 0 feasibility studies. Engineer Intern/Engineer-in-Training
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/Engineer-in-Training

Firm employed by	BUCHART HORN			
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.			**Constructability**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time 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: SJB Group, LLC					
Name	**Wilfred Barry, PE, PLS**			Years of relevant experience with this employer	45
Title	**Secretary**			Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	Bachelor of Science/ 1974 / Civil Engineering, Louisiana State University				
Active registration number / state / expiration date				4612 / Louisiana / 03.31.2024	
Year registered	1989	Discipline		Land Surveyor	
Active registration number / state / expiration date				17452 / Louisiana / 03.31.2024	
Year registered	1978	Discipline		Civil Engineer	
Contract role(s) / brief description of responsibilities				**Surveying and ROW Engineering, QA/QC**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Barry has over forty-five years of experience in the engineering and surveying fields, and will serve as Principal-in-Charge for for SJB Group on this project. Mr. Barry is actively engaged in the overall management of the firm's surveying and engineering services, which require a daily interaction with parish and private authorities regulating land use and zoning, development activities, and property ownership and transfer. His relationship with surveying activities includes hazardous waste site work, roads, bridges, site development, earth work, and construction stakeouts. He has an understanding and knowledge of their operations, especially with respect to relocation. **Mr. Barry meets MPR 4 & 5**	
10/12 – 07/13	**Turning Lanes and Medians, LA DOTD Project No. H.009956.5:** A topographic survey was done in Ascension Parish along LA 44, between US 61 and LA 42. The survey consisted of surveying five intersections and three bridges along LA 44. Quality Level C SUE survey was done at LA 44 turn lane at LA 621 as part of the survey on this project. Principal-in-Charge.
09/13 – 09/14	**LA 308 Curve Realign and Shoulders, LA DOTD Project No. H.010443:** A topographic survey and Quality Level C SUE were done in Assumption Parish along LA Hwy 308 in preparation for a Curve Re-Alignment and Shoulder improvements. Principal-in-Charge.
09/13 – 07/14	**Hooper Road Widening, LA DOTD Project No. H.009300:** A topographic survey provided by SJB in preparation for widening Hooper Rd. (LA 408) in East Baton Rouge Parish from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37) for a distance of about 2.95 miles. Principal-in-Charge.
04/15 – 04/16	**US 90 Captain Cade to Ambassador Caffery Frontage Road, LA DOTD Project No. H.011298.5:** A topographic survey was done alongside a proposed route along the East and West side of US 90. This survey was located in Lafayette, St. Martin, and Iberia Parishes between Youngsville and Broussard, LA. Principal-in-Charge.
10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain, LA DOTD Project No. H.012591:** Mr. Barry served as the Principal-in-Charge for the I-10 Paris Rd. – Lake Pontchartrain project. This project included a topographic survey, LiDAR scanning, and SUE. Principal-in-Charge.

04/20 – 06/20	**US 90: Pearl River Bridges (HBI), LA DOTD Project No. H.000284.5:** Mr. Barry served as the Principal-in-Charge for the LA DOTD Pearl River Bridges project. A topographic survey and mobile LiDAR scanning was done along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles.
03/21 – Present	**MovEBR Nicholson Segment 2, City Parish Project No. 20-CP-HC-0032:** Served as the Principal-in-Charge for the topographic survey, scanning, property and right-of-way survey, and subsurface utility engineering that was performed for the MovEBR project on Nicholson Rd. in East Baton Rouge Parish, LA.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37), LA DOTD Project No. H.009300.5:** Principal-in-Charge for the topographic survey and subsurface utility engineering project for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014. An updated drainage map was also completed for this project.

Firm employed by: SJB Group, LLC					
Name	**Patrick Staiano, PLS**		Years of relevant experience with this employer	1	
Title	**Survey Department Manager**		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Construction Management, Louisiana State University			
Active registration number / state / expiration date			5130 / Louisiana / 09.30.2023		
Year registered	2015	Discipline	Land Surveyor		
Contract role(s) / brief description of responsibilities			**Surveying and ROW Engineering**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Staiano serves as SJB Group's Survey Department Manager for the Louisiana Office. He has over 10 years of experience in the survey profession and has 6 years of experience as a licensed surveyor. Mr. Staiano holds a survey license in the states of Louisiana, Mississippi, and Texas. His work experience includes topographic surveys, boundary surveys, right-of-way surveys, mineral unitization surveys, and oil and gas pipeline and facility surveys. **Mr. Staiano meets MPR 4 & 5**	
12/10 – 03/16	Survey Technician/LSI/PLS on numerous topographic surveys for oil and gas infrastructure projects in South Louisiana. Mr. Staiano managed projects, prepared work plans for survey crews, reviewed and processed survey data, and drafted topographic maps and plats for clients. These projects included topographic surveys for well sites, access roads, and pipeline rights-of-way. Clients included Chevron Pipeline, Texas Petroleum Investment Company, BOPCO, and Apache.
03/16 – 06/16	**LA 59: Curve Realign and Tunnel at Trace - LA DOTD Project No. H.010184:** Project Manager. Mr. Staiano prepared title take-offs, reviewed title abstracts, field work with survey crew to locate property corners, prepared property survey, prepared right-of-way maps, and prepared the submittals.
05/16 – 06/16	**Bayou Chenal & Bayou Discharge Brs. - LA DOTD Project No.H.002184:** Project Manager. Prepare title take-offs, review title abstracts, field work with survey crew to locate property corners, prepare property survey, prepare right-of-way maps, prepare submittals
09/16 – 10/16	**LA 59: Roundabout at Sharp Road - LA DOTD Project No. H.011075:** Project Manager. Mr. Staiano reviewed title abstracts, prepared right-of-way maps, and prepared submittals.
01/18 – 02/18	**LA 1026: Roundabout at Buddy Ellis - LADOTD Project No. H.011824:** Project Manager. Mr. Staiano prepared title take-offs, reviewed title abstracts, prepared property surveys, prepared right-of-way maps, and prepared the submittals.
03/18 – 03/21	Mr. Staiano worked as a project surveyor on numerous electric and pipeline right-of-way and topographic survey projects in West Texas. He managed projects, prepared work plans for crews, made site visits to review potential corridors, reviewed survey data, and reviewed and certified topographic and right-of-way plats. Clients included Targa Resources, Apache, and DCP Midstream.
03/21 – Present	**MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement. - City Parish No. 20-CP-HC-0046:** Project Manager. SJB Group is performing a topographic survey, property survey, SUE, and Right- of-Way maps of the Jefferson Hwy and Bluebonnet intersection.

03/21 – Present	**MovEBR Nicholson Segment 2 - City Project No. 20-CP-HC-0032:** Project Manager. A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering were completed by SJB Group.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LADOTD Project No. H.009300.5:** Project Manager for the topographic survey and subsurface utility engineering for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.
06/21 – Present	**LA 56: Boudreaux Canal MB replacement - LADOTD Project No. H.002244.5:** Project Manager. SJB is conducting property surveys, right-of-way maps and title take offs along route LA 56 in Terrebonne Parish. This project requires the removal and replacement of bridge structures and construction of diversion bridge between the Town of Chauvin, LA and Cocodrie, LA.
07/21 – 02/22	**UP RR Corridor (Plaquemine) - LA DOTD Project No. H.012851:** Project Manager. SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.
07/21 – Present	**I-10: LA 415 to Essen on I-10 and I-12 - LADOTD Project No. H.004100:** Project Manager. SJB is providing right-of-way maps from Ferndale Ave. east along the project corridor to the western most right-of-way of College Drive and I-10. This survey is being conducted in East Baton Rouge Parish.
08/21 – Present	**LA 109: Gully Bridge - LADOTD Project No. H.012041.5:** Project Manager overseeing the topographic survey including all utilities with depths and drainage, and floor elevations of all buildings that fall within the survey limits in Calcasieu Parish near the intersection of I-12 and LA 109.

Firm employed by: SJB Group, LLC				
Name	**Matthew Estopinal, P.E., P.L.S.**	Years of relevant experience with this employer	<1	
Title	**Chief Operating Officer**	Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization	Bachelor of Science / 2009 / Civil Engineering, Louisiana State University			
Active registration number / state / expiration date	4955 / Louisiana / 03.31.2023			
Year registered	2006	Discipline	Land Surveyor	
Active registration number / state / expiration date	39151 / Louisiana / 03.31.2023			
Year registered	2014	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities	**Surveying and ROW Engineering**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Estopinal has more than fifteen years of experience as a professional land surveyor in the State of Louisiana. He currently serves as the firm's Chief Operating Officer and Manager of Production. His work experience includes ALTA surveys, boundary surveys, topographic surveys, and Right-of-Way maps for state, municipal, and private clients. For this project, Matt will ensure that all projects are performed in a high-quality and timely manner.	
02/20 – 08/21	**MoveBR Midway:** Project Manager. A topographic survey and right-of-way maps were composed to address changes required after the Joint Plan Review Submittal.
02/20 – Present	**MoveBR – Plank Road Corridor Enhancement Segment 2 (Dawson Drive to Harding):** Project Manager. A topographic survey was completed to improve pedestrian and cyclist mobility along Plank Road from Dawson Drive to Harding Blvd.
03/20 – Present	**St. Francisville Sewer Treatment Plant, Pump Stations And Force Mains:** Project Manager. The project includes a topographic survey and boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station and treatment plant site.
09/20 – Present	**MoveBR Perkins Road, Siegen To Pecue:** Project Manager. A Topographic survey and right-of-way maps for Perkins Road from Siegen Lane to Pecue was completed.
09/20 – Present	**MOVEBR. Sherwood Forest Sidewalks - City Project No. 20-EN-HC-0026:** Project Manager. A topographic survey and engineering design were completed to improve pedestrian mobility along S. Sherwood Forest Blvd by adding a sidewalk along the west side of the roadway from Coursey to Mead Dr.
09/20 – Present	**MoveBR Multi-Use Path - City Project No. 20-EN-HC-0027:** Project Manager. A topographic survey and engineering design were completed to improve pedestrian and bicycle mobility along S. Sherwood Forest by adding a multi-use path along the west side of the roadway from Mead Dr. to Old Hammond Hwy.
01/21 – Present	**MoveBR Synchronization And Communication Signal Rebuilds – Group 2. - City Project No. 20-TS-HC-0075 – 20-TS-HC-0080:** Surveyor on record. A topographic survey and right-of-way maps were included for six intersections.

03/21 – Present	**MovEBR Nicholson Segment 2 - City Project No. 20-CP-HC-0032:** Project Manager. Topographic Survey & scanning, property and right-of-way survey, and subsurface utility engineering.
07/21 – 02/22	**UP RR Corridor (Plaquemine) - LA DOTD Project No. H.012851:** Project Manager. SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.
11/21 – 12/21	**Conway Development Topographic Survey for Novus Reb Engineering:** Project Manager. This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.
03/22 – Present	**LA 385: Ryan Street Intersection Improvements - LA DOTD Project No. H.012685.5:** Project Manager. A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles.

Firm employed by: SJB Group, LLC				
Name	**Carl Jeansonne, P.L.S.**	Years of relevant experience with this employer	5	
Title	**Senior Project Manager**	Years of relevant experience with other employer(s)	40	
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	4542 / Louisiana / 03.31.2023			
Year registered	1985	Discipline	Land Surveyor	
Contract role(s) / brief description of responsibilities	**Surveying and ROW Engineering**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Jeansonne has more than forty-five years of land surveying experience with a variety of survey projects involving boundary, topographic, right-of-way, route, as-built, and construction stakeout surveys, as well as subdivision platting, expert witness services, accident investigations and flood elevation certificates. Mr. Jeansonne founded Baton Rouge Land Surveying offering all land surveying services. His firm offered the first automated surveying processes in Louisiana utilizing robotic surveying equipment, which is now used throughout the surveying industry. **He meets MPR 4 & 5**	
04/12 – Present	Land Surveying in accordance with DOTD's Location and Survey Manual
03/09 – 09/09	**Nicholson Drive (Brightside to Gourrier) Improvements, East Baton Rouge Parish, LA:** Project Manager. This project involved a topographic survey, control establishment, courthouse research, reestablishment of boundaries, traversing, right-of-way mapping of approximately 6,000 linear feet for roadway widening project on Nicholson Drive (Brightside to Gourrier) as part of the Green Light Program for the City of Baton Rouge.
09/09 – 12/09	**EBROSSCO - Elm Grove Garden Road-Harding Boulevard Rehabilitation, East Baton Rouge Parish, LA:** Project Manager. The EBROSSCO Elm Grove Garden Road-Harding Boulevard Rehabilitation project involved performing a topographic survey for approximately 10,000 linear feet of sewer force main route, complete survey for engineering design and right-of-way acquisition.
10/16 – 05/17	**I-10 Overpass Over US 165 & MP Railroad - LA DOTD Project No. H.002980:** Senior Project Manager. SJB Group was contracted to provide right-of-way mapping and property surveys for the LA DOTD, I-10 Overpass project in Jefferson Davis & Calcasieu Parishes.
12/16 – 01/17	**Bootlegger Road, St. Tammany Parish, LA:** Senior Project Manager. SJB Group was a sub-consultant contracted to provide a topographic survey, boundary survey, right-of-way maps, and SUE.
02/16 – 02/17	**Hooper Road Extension – Rt. LA 408. - LA DOTD Project No. H.005403.5:** Senior Project Manager. SJB Group performed a topographic survey was performed over a stretch of LA Hwy 408 for the LA DOTD Hooper Road extension project in East Baton Rouge Parish.
03/17 – 02/18	**US 190 Collins Blvd Widening. - LA DOTD Project No. H.004987.5:** Project Manager. The project involved a topographic survey and a drainage map for the DOTD widening project of US 190 in St. Tammany Parish.

11/17 – 06/18	**Cotton & Silo: BNSF Railroad Crossing – LA DOTD Project No. H.011723.5:** Senior Project Manager. This project involved right-of-way and property maps for the LA DOTD Cotton Road Railroad Crossing and Silo Road Railroad Crossing in St. Mary Parish.
01/18 – 06/18	**Airline Highway Right-of-Way, St. John the Baptist Parish, LA:** Mr. Jeansonne served as Senior Project Manager. This project involved right-of-way staking of existing roadways for a major gas line relocation project on Airline Highway in Laplace, LA for Atmos Energy.
05/18 – 05/18	**Government Street Road Gas Relocation for Atmos Energy:** Survey Project Manager. SJB Group was contracted to provide Right-of-Way staking of existing roadways for a major gas line relocation project on Government Street in Baton Rouge, LA.
04/19 – 08/19	**LA 182 Barrow Street Bridge. - LA DOTD Project No. H.012735.5:** Project Manager. SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI) – LA DOTD Project No. H.000688.5:** Senior Project Manager. This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI) - LA DOTD Project No. H.000284.5:** Project Manager. Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 feet.
03/21 – Present	**MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement. - City Parish No. 20-CP-HC-0046:** Project Manager. SJB Group is performing a topographic survey, property survey, SUE, and Right- of-Way maps of the Jefferson Hwy and Bluebonnet intersection.
04/21 – 08/21	**LA 3092 Roundabout – LA DOTD Project No. H.012052.5:** Senior Project Manager. This project involved property survey, title take off, and right-of-way maps for the LA 3092 roundabout in Calcasieu Parish.

Firm employed by: SJB Group, LLC				
Name	**Colby Mire**	Years of relevant experience with this employer	5	
Title	**Project Manager**	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		Bachelor of Science / 2015 / Construction Engineering Technology, Southeastern University		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Surveying and ROW Engineering**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Mire has more than five years of experience in land surveying. He has worked as a rodman, party chief, and project manager for SJB Group. He has worked on numerous projects involving topographic, boundary, and right-of-way surveys; and also mobile LiDAR scanning. His field experience includes numerous DOTD projects, boundary surveys, construction stakeouts, and topographic and right-of-way surveys throughout Louisiana. He is familiar with LA DOTD Location and Survey procedures, manuals, and software programs. Mr. Mire is currently pursuing licensure as a Professional Land Surveyor in Louisiana.	
05/13 – Present	Topographic surveying in accordance with DOTD's Location and Survey Manual.
06/17 – 02/18	**US 190 Collins Blvd Widening - LA DOTD Project No. H.004987:** SJB performed a topographic survey and a drainage map in St. Tammany Parish. The project began 2,770 feet north of the intersection of North Collins Blvd. (Hwy 190) and Branch Crossing Dr. From this point, the project proceeded south along North Collins Blvd. for approximately 3.5 miles, ending 920 feet south of the intersection of Rogers Lane and Hey 190. This project allowed for improvements along North Collins. Mr. Mire served as a Junior Party Chief.
07/17 – 07/17	**H.012323: LA 990: 6th Ed Lejeune (Overlay-Drainage):** Party Chief. LA DOTD contracted SJB Group to provide right-of-way mapping and property maps for an overlay-drainage project on 6th Ed LeJeune in West Baton Rouge Parish.
07/17 – 01/19	**I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59). - LA DOTD Project Nos. H.011137 and H.011152:** SJB Group was a prime on the I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) and did Topographic Survey alongside Lazenby. Mr. Mire served as a Junior Party Chief.
10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain. - LADOTD Project No. H.012591:** SJB Group provided a complete topographic survey including utilities with depths and all drainage for an8.24 mile stretch of Interstate 10 in New Orleans East. The project began near the I-510 overpass and ended at the bridge abutment of the I-10 bridge over Lake Pontchartrain. This project included topographic survey, LiDAR scanning, and SUE. Mr. Mire served as a Junior Party Chief.
04/19 – 08/19	**LA 182 Barrow Street Bridge. - LADOTD Project No. H.012735.5:** SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma. Mr. Mire served as a Junior Project Manager.

04/20 – 06/20	**US 90: Pearl River Bridges (HBI). - LADOTD Project No. H.000284.5:** Topographic survey and mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles. Mr. Mire served as a Junior Project Manager.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI). - LADOTD Project No. H.000688.5:** This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190. Mr. Mire served as a Junior Project Manager.
03/21 – Present	**MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement. - City Parish No. 20-CP-HC-0046:** SJB Group is performing a topographic survey, property survey, SUE, and Right- of-Way maps of the Jefferson Hwy and Bluebonnet intersection. Mr. Mire is a project manager.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LADOTD Project No. H.009300.5:** Party Chief for the topographic survey and subsurface utility engineering for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.
07/21 – 02/22	**UP RR Corridor (Plaquemine) - LA DOTD Project No. H.012851:** SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave. Mr. Mire served as a project manager on this project.

Firm employed by: SJB Group, LLC				
Name	**Anthony Burns**	Years of relevant experience with this employer	19	
Title	**Project Manager/Field Crews Manager**	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 ROW Engineering**			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Burns has nineteen years of experience as a rodman, party chief, and project manager with numerous DOTD and city-parish projects involving topographic, right-of-way, and boundary surveys. His experience includes conventional surveying, terrestrial LiDAR, and mobile LiDAR scanning. He is thoroughly familiar with City-Parish and LA DOTD Location and Survey Procedures, manuals, and software programs and requirements. He manages SJB's survey field crews and equipment, and serves on SJB's safety Committee.	
02/04 – Present	Topographic Surveying in accordance with DOTD's Location and Survey Manual.
09/13 – 07/14	**Hooper Road Widening - LA DOTD Project No. H.009300:** Party Chief. A topographic survey provided by SJB in preparation for widening Hooper Rd. (LA 408) in East Baton Rouge Parish from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37) for a distance of about 2.95 miles.
09/13 – 09/14	**LA 308 Curve Realign and Shoulders. - LA DOTD Project No. H.010443:** Party Chief. A topographic survey and Quality Level C SUE were done in Assumption Parish in preparation for a Curve Realignment and Shoulder improvements.
04/15 – 04/16	**US 90 Captain Cade to Ambassador Caffery Frontage Road. - LADOTD Project No. H.011298.5:** Project Manager. A topographic survey was done alongside a proposed route along the East and West side of US 90. This survey was located in Lafayette, St. Martin, and Iberia Parishes between Youngsville and Broussard, LA.
05/15 – 11/15	**US 190 Guardrail/Rutting Rep. (Phase I) - LA DOTD Project No. H.011224:** Project Manager. A topographic survey was done along five portions of US 190. The project was located in Pointe Coupee Parish from LA 1 westward approximately 18.5 miles to the east side of the Atchafalaya Bridge.
02/16 – 02/17	**Hooper Road Extension – Rt. LA 408. - LADOTD Project No. H.005403.5:** Project Manager. SJB Group performed a topographic survey over a one mile stretch of LA Hwy 408.
04/17 – 08/17	**Roundabout at Hollywood Road – LA DOTD Project No. H.010890:** Project Manager. SJB Group was contracted to provide right-of-way and property maps for the Roundabout at Hollywood Rd project in Terrebonne Parish.
08/18 – 10/18	**Nelson Road Extension - LA DOTD Project No. H.005967.5:** Project Manager. This project was a right-of-way survey for the extension of Nelson Road north across Contraband Bayou to intersect West Sallier Street. The project included the realignment of Nelson Road, new bridge construction, and relocation of an existing railroad. The project was divided into three phases: property surveys, base right-of-way maps, and final right-of-way maps.

10/18 – 04/19	**I-10 Paris Road – Lake Pontchartrain. - LADOTD Project No. H.012591:** Project Manager. SJB Group provided a complete topographic survey including utilities with depths and all drainage for an 8.24 mile stretch of Interstate 10 in New Orleans East. This project included topographic survey, LiDAR scanning, and SUE.
04/20 – 06/20	**US 90: Pearl River Bridges (HBI). - LA DOTD Project No. H.000284.5:** Project Manager. Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The total distance of the survey once complete was 4,000 feet.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI) - LA DOTD Project No. H.000688.5:** Project Manager. This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190.
03/21 – Present	**MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement. - City Parish No. 20-CP-HC-0046:** Project Manager. SJB Group is performing a topographic survey, property survey, SUE, and Right- of-Way maps of the Jefferson Hwy and Bluebonnet intersection.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LADOTD Project No. H.009300.5:** Project Manager. SJB Group was contracted to provide a topographic survey and subsurface utility engineering for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014.

Firm employed by: SJB Group, LLC				
Name	**Phillip Dowden**	Years of relevant experience with this employer	<1	
Title	**Project Manager**	Years of relevant experience with other employer(s)	27	
Degree(s) / Years / Specialization		BS Construction Management/1985/Louisiana State University		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Surveying and ROW Engineering**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Dowden has more than twenty-seven years of experience in the survey field. His experience includes land survey and powerline design, marine surveying, boundary and ALTA surveys. Starting in 2005, Mr. Dowden has done marine surveying projects worldwide in the oil and gas industry. He also has experience in vessel offset surveys and calibrations for wind farms with extensive experience with GPS control.	
08/94 – 05/97	Land Surveying and Powerline design and layout including distribution, transmission, and substation layout and staking from rodman to Party Chief positons held.
05/97 – 12/99	Marine surveying and vessel offset surveys with extensive experience with GPS. I-Man to Party Chief positions held.
12/99 – 07/05	Party Chief for powerline surveys, Party Chief for land surveys including subdivision staking on boundary and layout, ALTA surveys, and large parcel land drainage surveys.
07/05 – 12/21	Marine surveying worldwide in oil and gas industry. Also, vessel offset surveys and calibrations for wind farms with extensive experience with GPS.
05/06 – 10/06	Boston Harbor Sun New York: Became primary Multibeam processor on a 16 mile pipeline project. A Reson 8125 Multibeam was head mounted on an ROV. Also, a DVL, Octans INS, Paro, Seabird, and USBL systems. This involved digitizing the pipeline for station and depth of cover along route. Mr. Dowden was the project manager.
04/07 – 09/07	Boston Harbor Northern Canyon: Archeological and Hazard Survey on a Multibeam project. Mr. Dowden was the project manager.
05/08 – 09/08	Boston Harbor Northern Canyon: Mr. Dowden assumed the same role as primary processor for an additional pipeline paralleling the one laid on 2006.
06/09 – 07/09	Gulf of Mexico BoTruc 20: Multibeam project using a Reson 7125 and the primary processor on jetting in a pipeline. Mr. Dowden was the project manager.
09/10 – 02/11	Gulf of Mexico Epic Diver: Multibeam project used to remove a downed platform from hurricane destruction. This was a project that resulted in a massive excavation with dimensions of 350' in dia. by 70' in depth. Continuous R2Sonic Multibeam work throughout. This also involved many vessels throughout the campaign. Mr. Dowden was the project manager.
08/12 – 09/12	Gulf of Mexico Polo Pony: Multibeam project which involved multiple locations for pre-site investigations for future rig moves. Mr. Dowden was the project manager.

03/13 – 06/13	Gulf of Mexico Cross Mar 21: Echoscope project where Mr. Dowden was involved in the mobilization of all the equipment. Unable to participate in offshore operations.
06/13 – 09/13	Gulf of Mexico Triton Liberty: Multibeam project which involved multiple locations for pre-site investigations for future rig moves.
11/13 – 12/13	Cal Diver IV: Multibeam project which involved multiple locations for pre-site investigations for future rig moves. Completely surrounded five platforms
09/14 – 11/14	Lake Charles Plant survey: Echoscope project to analyze the erosion from plant runoff from culverts. Mr. Dowden was a project manager.
02/15 – 03/15	Gulf of Mexico Ocean Intervention I: Echoscope project where Mr. Dowden was involved in the mobilization of all the equipment. Unable to participate in offshore operations.
07/21 – 02/22	**UP RR Corridor, LA DOTD Project No. H.012851.5:** SJB Group performed a complete topographic survey of the project limits including locating all utilities with depths and finish floor elevations of all buildings that fell within survey limits. The project site included a high-traffic Union Pacific Railroad line, which required SJB Group to obtain a railroad permit to work within the railroad right-of-way and close coordination with Union Pacific Railroad flaggers to ensure project safety. A drainage map was required as part of the survey and was done following LADOTD Existing Drainage Map Standards. Mr. Dowden served as a project manager.

Firm employed by: SJB Group, LLC				
Name	**Kurt Evans**	Years of relevant experience with this employer	<1	
Title	**Project Manager**	Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization		AOS / 2010 / Civil/Structural/Architectural CAD Drafting, ITI Technical College		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Surveying and ROW Engineering**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Evans has experience in land surveying as a survey department lead, civil structural designer, instrument man, and crew chief. He has eight years of topographic survey and scanning experience throughout Louisiana. Mr. Evans is in charge of research and development of advanced measurement techniques and work flows, and terrestrial scanning. He is a member of the Louisiana Chemical Industry Alliance and American Builders and Contractors Pelican Chapter.	
01/09 – 01/20	Formosa PVC Expansion. Scanning. Project Manager.
04/12 – 10/13	Construction for Belle Chase tunnel: Mr. Evans was a crew chief on the construction stake out efforts for sheet pile wall for the upgrade and rebuild of the existing Belle Chase Tunnel.
01/15 – 01/17	Shell/Motiva Convent Project Amite – Maurepas Pipeline system: This project was part of a 3 plant effort to use an underground pipeline to distribute various products between Shell's three local facilities. Mr. Evans led the survey effort and site control for the Pipeline System at Shell Convent. He tied inside plant units to outside state plane coordinates for pipeline routes to tie into revamped units. He troubleshot dimensional control issues and provided construction support.
01/17 – 01/18	Shell Norco Hydro Cracker Unit: Mr. Evans led the survey effort and site control for the Shell HCU rebuild project. The project required a complete rebuild and upgrade of the Hydro Cracker Unity to support the increase in production volume. He performed engineering field design checks, investigated and resolved dimensional control issues, and provided construction support.
01/18 – Present	Methanex G3 Unit Unit: This project required the construction of a new access road (Ring Rd.) to the Methanex G3 unit. This was a plant expansion to facilitate the growing demand for natural gas. Mr. Evans was part of a team contracted to design and build a road to accommodate the additional traffic as a result of the plant expansion. Mr. Evans oversaw subsurface utility locating efforts, managed design, managed survey crews, coordinated with subcontractors, and provided support to the construction manager on engineering design efforts.
11/21 – Present	Compass Minerals Mine Run Bypass Loop: Project manager for scanning and mine control effort to bypass the location of existing conveyor and equipment. Mr. Evans performed scans tied to mine control 1500' below the surface for the reroute of Mine traffic. He setup and oversaw project coordination.

11/21 – Present	Compass Minerals 0.8 Mile Conveyor Install: Compass Minerals is installing a new conveyor system that will run approximately 0.8 miles underground to increase their production volume and decrease the time of product delivery. SJB Group was hired to perform scans tied to mine control at 1500 feet below the surface for the installation of a new conveyor route. Mr. Evans was the project manager for the scanning and mine control. He oversaw project coordination.
11/21 – Present	Compass Minerals C-3 Void Scan: This project required a 3D scan of various voids within the mine that was caused by fresh water intrusion so that the client could repair the voices with grout or a suitable concrete fill. Mr. Evans was the project manager for scanning and mine control. He setup and over saw project coordination, and calculated the volume of grout or concrete fill that would be required to repair voids.
11/21 – Present	Compass Minerals – 16’ Shaft Collar and Hoist Motor room As-Built: Project manager for the scanning and mine control effort for a 16-foot shaft collar and hoist motor room. The client plans to run cables from the adjacent motor room through a concrete wall below the ground for production. Mr. Evans set up and oversaw all project coordination, performed a scan of the clients’ assets above the ground, and also performed a scan of the underground assets tying both the data sets together.

Firm employed by: SJB Group, LLC				
Name	**Trenton Iglehart**		Years of relevant experience with this employer	7
Title	**Project Manager / CAD Technician**		Years of relevant experience with other employer(s)	14
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 ROW Engineering**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
	Mr. Iglehart has over twenty years combined experience as a project manager and CAD technician. He has been involved in a variety of projects involving ASCE 38-02 standards, boundary, topographic, hydrographic, right-of-way, and construction stakeout surveys. Mr. Iglehart is a scanner technician for 3-D scanning, mobile LiDAR, terrestrial scanning, and aerial LiDAR. He has obtained his drone pilot's license and is endorsed by the Unmanned Safety Institute for the safe operation of unmanned geospatial systems.
08/13 – Present	Survey CAD Technician for LA DOTD Projects
09/13 – 07/14	**Hooper Road Widening - LA DOTD Project No. H.009300:** CAD Technician. A topographic survey and Quality Level D SUE provided by SJB in preparation for widening Hooper Rd. (LA 408) in East Baton Rouge Parish from Sullivan Road (LA 3034) to Greenwell Springs Road (LA 37) for a distance of about 2.95 miles.
09/13 – 09/14	**LA 308 Curve Realign and Shoulders - LA DOTD Project No. H.010443:** CAD Technician. A topographic survey and Quality Level C SUE were done in Assumption Parish along LA Hwy 308 in preparation for a Curve Re-Alignment and Shoulder improvements.
02/15 – 04/16	**I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) - LA DOTD Project No. H.011137 and H.011152:** CAD Technician. SJB Group was a prime on the I-12 (LA 21 to US 190) & I-12 (US 190 to LA 59) and did Topographic Survey alongside Lazenby. SJB Group contracted Cardno as a sub to do the SUE work on this project.
06/15 – 08/15	**US 90 Drainage Canal Erosion Repair - LA DOTD Project No. H.011720:** CAD Technician. A complete topographic survey including all utilities with depths and all drainage was done in Terrebonne Parish along a portion of the existing route of US 90 and the drainage canal bridges.
12/16 – 01/17	**Bootlegger Road Survey for Stanley Consultants - Parish Project No. 2016EN0039:** CAD Technician. A topographic and boundary survey was performed in St. Tammany Parish as a sub to Stanley Consultants. The topographic survey project area was Ochsner Blvd to LA Hwy 21. A boundary survey of right-of-way and adjoining property lines within the project area and right-of-way survey maps to facilitate right-of-way acquisition.
04/19 – 08/19	**LA 182 Barrow Street Bridge - LADOTD Project No. H.012735.5:** CAD Technician. SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma.

04/20 – 06/20	**US 90: Pearl River Bridges (HBI) - LA DOTD Project No. H.000284.5:** CAD Technician. Topographic survey and Mobile LiDAR Scanning along US 90 and west of Pearl River in St. Tammany Parish. The project began 3,000 feet west of the intersection between US 90 and US 190. The total distance of the survey once complete was 4,000 miles.
04/20 – 11/20	**US 11 Norfolk Southern RR Overpass (HBI) - LADOTD Project No. H.000688.5:** CAD Technician. This project included topographic survey and mobile LiDAR scanning in St. Tammany Parish along US 11 between I-12 and US 190.
03/21 – Present	**MovEBR Nicholson Segment 2 - City Project No. 20-CP-HC-0032:** CAD Technician. Topographic Survey & scanning, property and right-of-way survey, and subsurface utility engineering.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LADOTD Project No. H.009300.5:** CAD Technician. SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage map for a one mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed.

Firm employed by: SJB Group, LLC				
Name	**Matthew Schexnayder**	Years of relevant experience with this employer	3	
Title	**CAD Technician**	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		AOS / 2018 / Drafting and Design, Baton Rouge Community College		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**Surveying and ROW Engineering**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
Mr. Schexnayder has three years of experience as a CAD technician with SJB Group. He has been involved with numerous city-parish projects and several DOTD projects as a CAD Technician. Mr. Schexnayder is involved with the preparation of boundary surveys, right-of-way maps, topographic surveys, utility mapping, stakeout computations, and as-built survey maps. He has experience in design and drafting using AutoCAD design software packages as well as MicroStation and InRoads.	
09/17 – 02/20	**Roddy Road Safety Widening - Parish Project No. MA-17-04:** CAD Technician. This project was part of the Move Ascension Program. Mr. Schexnayder designed and created a corridor model for roadway design to include ditches along roadways and calculate excavated/embankment material.
04/19 – 08/19	**Roddy Road Intersection Improvements - Parish Project No. MA-18-13:** CAD Technician. Mr. Schexnayder designed and created a corridor model for roadway design to include ditches along the roadway and calculate excavated/embankment material. The intersection project was part of the Move Ascension Program.
03/19 – 08/19	**Ford Street Extension:** CAD Technician. Project was to extend a curb and gutter asphalt roadway, and design new throughways to facilitate extension for the existing roadway. Using Autodesk Civil 3D, he designed roadway drainage with the use of curb inlets and grate inlets, ran drainage calculations for proposed roadways, 3D modeled existing utilities (drainage and sewer) to prevent interferences, and designed sanitary sewer.
01/19 – 05/19	**College Drive/Westdale Intersection:** CAD Technician. Project was to design a left-turn only route to alleviate traffic congestion. Designed surface model and created DTM used to design roadway profile, created corridor model to calculate excavated/embankment material.
08/20 – Present	**Bridges Near Greensburg - LA DOTD Project No. H.013982:** CAD Technician. This project is a spot bridge replacement (4 sites) as part of a LADOTD project. Using InRoads and Microstation SJB created all plan sheets, annotated cross sections, embankment widening and guard rail details, survey control and benchmark elevations, as per LADOTD CADconform.
09/20 – 11/21	**MovEBR ADA Compliance - City Project No. 17-CS-CI-0020:** CAD Technician. LiDAR and GIS in East Baton Rouge Parish for the MovEBR ADA Compliance Project.
07/21 – 02/22	**UP RR Corridor (Plaquemine) - LA DOTD Project No. H.012851:** CAD Technician. SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.

07/21 – Present	**I-10: LA 415 to Essen on I-10 and I-12 - LA DOTD Project No. H.004100:** CAD Technician. SJB provided right-of-way maps from Ferndale Ave. East along the project corridor to the westernmost right-of-way of College Drive and I-10. This survey was conducted in East Baton Rouge Parish.
03/21 – Present	**MovEBR Nicholson Segment 2 - City Project No. 20-CP-HC-0032:** CAD Technician. Topographic Survey & scanning, property and right-of-way survey, and subsurface utility engineering.
04/21 – 06/21	**Centurion over Drainage Bayou (Prime: Monroe & Corie) - LA DOTD Project No. H.014322:** CAD Technician. This project included topographic survey in East Baton Rouge Parish – Centurion over Drainage Bayou.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LA DOTD Project No. H.009300.5:** CAD Technician. SJB performed a topographic survey, subsurface utility engineering, and an update of an existing drainage map for a one-mile stretch of LA Hwy 408. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one-mile site since the previous survey was completed.

(Add rows as needed)

17. Firm Experience:

Firm name	BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**LA 19 Widening (LA 64 to Sunset Boulevard) Feasibility and Planning Study**			Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.011695.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Baton Rouge, LA			Owner's Project Manager	Dilton Anderson
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, dilton.anderson@la.gov				
Services commenced by this firm (mm/yy)	04/14	Total consultant contract cost ($1,000's)		$154	
Services completed by this firm (mm/yy)	03/17	Cost of consultant services provided by this firm ($1,000's)		$94	

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

Firm's Role: BH conducted a comprehensive Corridor Study to evaluate 1.41 miles of LA 19 (Zachary-Slaughter Highway) from LA 64 (Main Street) to Sunset Boulevard in Zachary, LA. Due to existing safety issues and congestion, this project was identified to increase capacity and improve safety along the corridor. The project is needed to accommodate existing and future traffic demand, improve the level of service of the roadway, and reduce crashes. Concepts were developed to implement access management strategies to reduce vehicle conflict points and widening to increase capacity, improving the operational efficiency of the road. Project tasks included: project initiation meeting with key stakeholders; background information collection and existing conditions assessment, project research and determination of baseline conditions; crash analysis and HSM predictive methodology; developing and evaluating proposed build alternatives; traffic study, including turning movement counts and seven-day, 24-hour machine counts; opinion of probable cost; environmental/social impact analysis; Safety Effectiveness Evaluation of proposed improvements; and preparing a Feasibility Report.

Analysis results and information collected as a part of this study are documented in a manner consistent with NEPA requirements and all applicable LADOTD Engineering Design and Standard Manuals and Design Guidelines. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. The cost estimate was included in the Final Stage 0 as an Appendix.

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Karren Atchison

Firm name	BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**I-10 at LA 73 (LA 74 to LA 621) Feasibility and Planning Study and Tier Analysis**			Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.011160.1-1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Prarieville Geismar, LA			Owner's Project Manager	Hong Zhang, PE, PTOE
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, Hong.Zhang@la.gov				
Services commenced by this firm (mm/yy)	08/17	Total consultant contract cost ($1,000's)		$497	
Services completed by this firm (mm/yy)	10/18	Cost of consultant services provided by this firm ($1,000's)		$308	

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

Firm's Role: BH performed a Feasibility and Planning Study (referred to by LADOTD as a "Stage 0" Study) with Tier Analysis for I-10 at LA 73 in Prairieville, LA. The project area also included the corridor of LA 73 (LA 74 to LA 621), along with several additional connector routes and realignments, in conjunction with the interchange. The project area in Ascension Parish has experienced significant congestion and safety issues due to substantial changes in population, land use developments, and a lack of access management. The study will evaluate widening and interchange alternatives, along with several additional connectors to improve traffic and safety operations in the project area.

The Tier 1 Analysis on interchange alternatives was completed to identify several high level alternatives. The alternatives were nominally evaluated for safety/traffic operations, required ROW, environmental/social impacts, and cost. The interchange alternatives were screened, taken into the Tier 2 Analysis, incorporated into the greater study area, and a more detailed traffic and crash analysis was performed.

In order to further develop the concepts, a crash data analysis and a relative comparison of safety using the Highway Safety Manual predictive methodology was conducted. The results from the safety evaluation and traffic study are used in the development of alternatives. The alternatives are then designed, incorporating all readily available information such as LiDAR, GIS base maps, utility information, aerial imagery, as-built plans, etc. These alternatives were further evaluated and all impacts and findings documented in the Stage 0 Report. A relative comparison of the predictive crashes for each alternative is provided and summarized by roadway segments, intersections, ramps, and total project. The latest edition of the Interactive Highway Safety Design Module (IHSDM) is used to conduct this analysis. Analysis results and information collected as a part of this study are documented in a manner consistent with the requirements of NEPA, FHWA's Policy on Changes in Access to the Interstate System, and all applicable LADOTD Guidelines and Engineering Directives and Standards Manual (EDSM).

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Karren Atchison

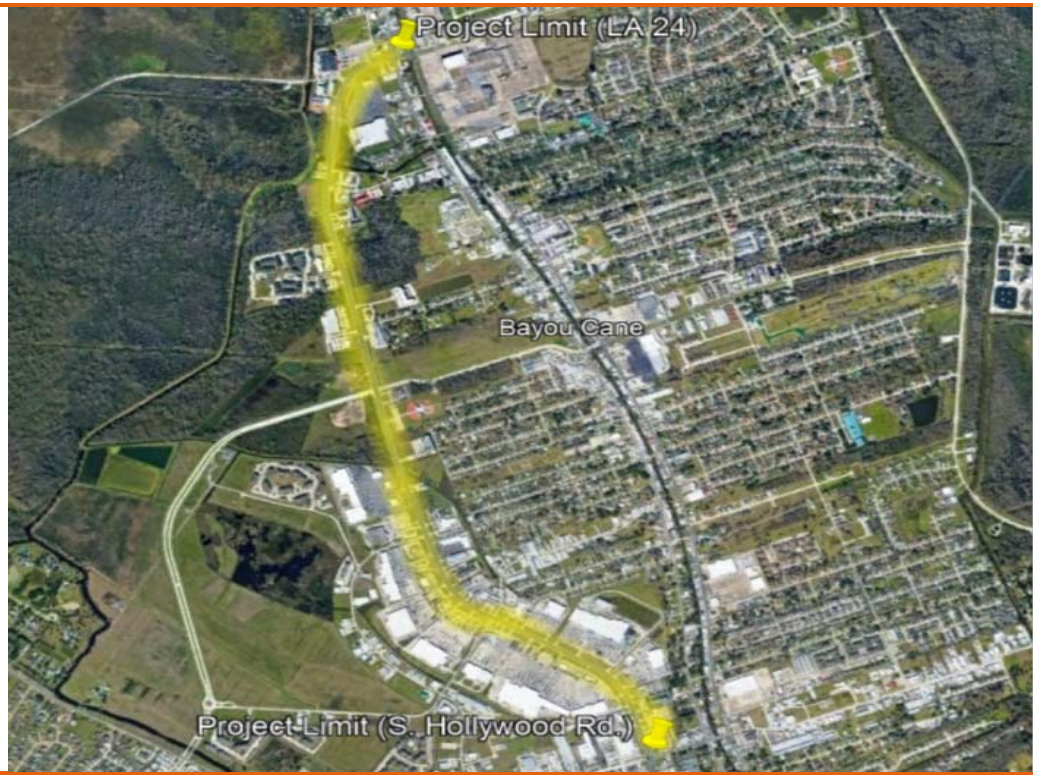
Firm name	BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**LA 3040 Corridor Improvements Study**			Firm responsibility (prime or sub?)	Prime
Project number	Task Order No.: H.013322.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Houma, LA			Owner's Project Manager	Dan Magri
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, dan.magri@la.gov				
Services commenced by this firm (mm/yy)	07/17	Total consultant contract cost ($1,000's)			$304
Services completed by this firm (mm/yy)	07/22	Cost of consultant services provided by this firm ($1,000's)			$279

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

Firm's Role: 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. The study limits extended from the intersection of LA 3040 at West Main Street (LA 24) to the intersection of LA 3040 at South Hollywood Road. The study included road safety assessments, traffic analysis, alternative analysis and design, scope and budget checklist, environmental documentation and checklist, and an Opinion of Probable Cost, as well as public and state and local official meetings.

Our project corridor had conflicts before because there was a low cost striping treatment done on our corridor dating back. BH is providing our extensive Stage 0 experience to solve these safety issues and supply our client with the best alternative that fits their needs.

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Karren Atchison, Cal Joy, Hugo Leiva



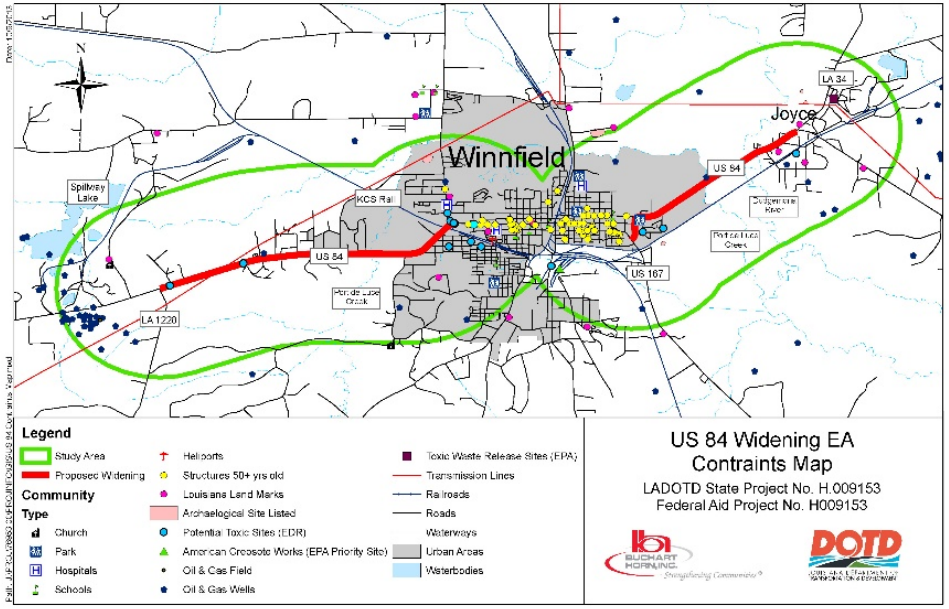
Firm name	BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**US 84 Improvements**			Firm responsibility (prime or sub?)	Prime
Project number	H.009153.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Winnfield, LA			Owner's Project Manager	Catherine Mastine
Owner's address, phone, email	1201 Capitol Access Road, Room 605Z, PO Box 94245, Baton Rouge, LA 70804, 225.379.1232, catherine.mastin@la.gov				
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost ($1,000's)		$965	
Services completed by this firm (mm/yy)	07/21	Cost of consultant services provided by this firm ($1,000's)		$541	

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

Firm's Role: BH is tasked with the preparation of an Environmental Assessment in accordance with NEPA and FHWA regulations and guidelines for the proposed widening of US 84 in the Winnfield, LA area.

Tasks performed by BH to complete the environmental document include, but are not limited to:

- Line and grade study
- Evaluation of archeological, cultural, social, economic, and environmental consequences
- Traffic study and modeling
- Safety Analysis
- Engineer's opinion of cost
- Public outreach
- Corridor preservation
- Cultural Resources
- Section 404
- Wetlands mitigation



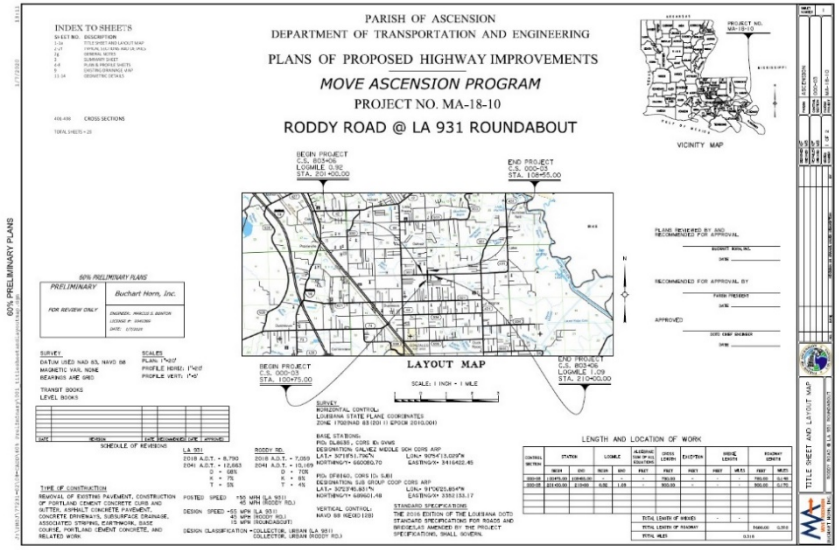
Public outreach, stakeholders, and agencies meetings were held by BH in order to obtain comments on the proposed build alternatives. A combination of nine build alternatives were developed with roundabouts, access management, and widening.

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Karren Atchison, Cal Joy, David Britner

Firm name	BUCHART HORN ENGINEERS · ARCHITECTS · PLANNERS			Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**New Roundabout at LA 931 and Roddy Road**			Firm responsibility (prime or sub?)	Prime
Project number	MA-18-10	Owner's name	Ascension Parish		
Project location	Gonzales, LA			Owner's Project Manager	Kenny Matassa
Owner's address, phone, email	PO Box 2392, Gonzales, LA 70707, 225.450.1012, kmatassa@apgov.us				
Services commenced by this firm (mm/yy)	07/17		Total consultant contract cost ($1,000's)		$629
Services completed by this firm (mm/yy)	02/22		Cost of consultant services provided by this firm ($1,000's)		$500

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

Firm's Role: BH was selected by Ascension Parish to provide Road Design & Traffic Engineering services for a period of five years (2017-2022) under the MoveAscension program. One of the projects assigned under this program was the intersection improvements and roundabout study/design for the intersection of LA 931 and Roddy Road.



Although Roddy Road is a Parish roadway, the fact that it intersects with a State Route triggered the need for LADOTD review and approval. BH successfully implemented the Traffic Engineering Process and Report in the study and design and has received preliminary approval from LADOTD for a project permit at this location.

This intersection historically involved high frequency and high severity crashes. BH provided design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services included 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. The design complies with state and federal guidelines.

In addition to our Prime responsibilities, BH has made multiple contributions to the MoveAscension program as a subconsultant within various Teams.

Firm Members Involved: Jimmy Dickerson, Joseph Mingo, Karren Atchison, Kevin Gaspard, Cal Joy, Jeffrey Stone

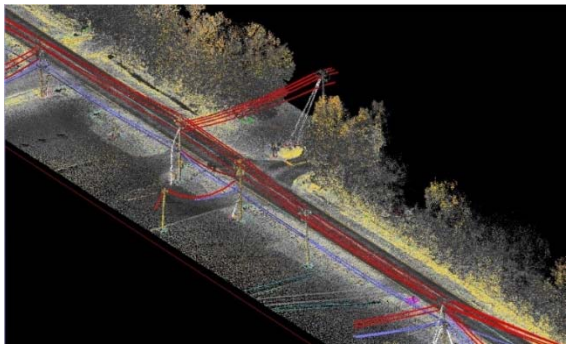
Firm name	SJB GROUP, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	RODDY ROAD SAFETY WIDENING (LA 931 TO LA 933)	Firm responsibility (prime or sub?)	Prime
Project number	MA-17-04	Owner's name	Ascension Parish Government
Project location	Ascension Parish, Louisiana	Owner's Project Manager	Mike Enlow
Owner's address, phone, email	42077 Churchpoint Rd, Gonzales, LA 70737| (225) 450-1380 | menlow@apgov.us		
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost ($1,000's)	$639.9
Services completed by this firm (mm/yy)	02/20	Cost of consultant services provided by this firm ($1,000's)	$613.1

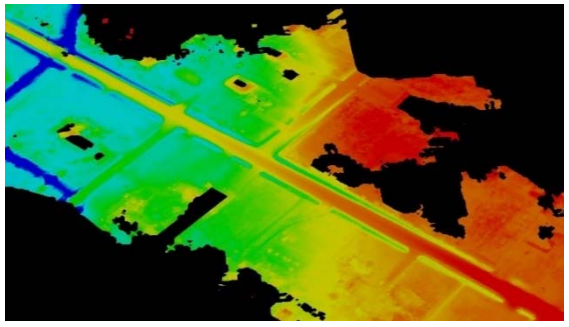
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Firm's Role: Design, Right-of-Way, Topographic Survey, Subsurface Utility Engineering

Firm Members Involved: Wilfred Barry PE PLS, Carl Jeansonne PLS, Colby Mire, Anthony Burns, Trent Iglehart, Matthew Schexnayder

SJB Group was contracted to work on the Move Ascension Roads program to provide survey, subsurface utility engineering, geotechnical investigation (performed by sub-consultant), and design engineering services for the safety widening of Roddy Road between LA 931 and LA 933. This project consisted of widening an existing roadway from 10' travel lanes to 12' travel lanes with 4' paved shoulders; which included a mill and overlay of the existing roadway, replacement of two existing bridges with concrete box culverts, replacing and upgrading (where required) drainage in the area, and improving clear zones in order to meet current standards. SJB Group provided the parish with a topographic survey of the area, a subsurface utility investigation, preliminary roadway plans, property surveys and right-of-way maps, and final roadway plans. SJB Group contracted a sub-consultant for the geotechnical investigation and design part of this project.





The roadway plans consisted of typical sections, quantities summary table, plan and profile sheets, reference points, and TBMs sheet, existing drainage maps, design drainage maps, summary of drainage structure table, geometric details, striping and signage layout, suggested sequence of construction, detour details, soil survey, and cross-sections.

Relevant Services

- Topographic Survey
- Property Survey
- Right-of-Way Maps
- Preliminary and Final Design Plans

Firm name	SJB GROUP, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	BOOTLEGGER ROAD	Firm responsibility (prime or sub?)	Sub
Project number	2016EN0039	Owner's name	Stanley Consultants, Inc.
Project location	St. Tammany Parish, Louisiana	Owner's Project Manager	Brant Richard
Owner's address, phone, email	721 Government St. Suite 302, Baton Rouge, LA 70802|(225) 387-2422|RichardBrant@stanleygroup.com		
Services commenced by this firm (mm/yy)	12/16	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	01/17	Cost of consultant services provided by this firm ($1,000's)	$98.1

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

Firm's Role: Boundary Survey, Topographic Survey, Subsurface Utility Engineering

Firm Members Involved: Wilfred Barry PE PLS, Anthony Burns, Trent Iglehart

SJB Group was contracted by Stanley Consultants to provide topographic, boundary, and SUE surveying services in St. Tammany Parish for the Bootlegger Road preliminary plans development and sidewalk feasibility study.

St. Tammany Parish was looking to make mill and overlay, bridge improvements, and install sidewalks on Bootlegger Road. This is a long road with an increase in residential developments as well as a new hospital. St. Tammany Parish hired our team to assess the feasibility of adding pedestrian access to the road. The Parish needed to know if they had enough right-of-way to add a sidewalk and to investigate any potential conflicts from buried utilities.

Our team utilized mobile LiDAR scanning to perform the topographic survey. This saved the Parish 60% in fees as compared to traditional topographic survey methods and significantly reduced the project timeline.

Relevant Services

- Topographic Survey (Ochsner Blvd to LA Hwy 21)
- Boundary survey of right-of-way and adjoining property lines
- Right-of-Way survey maps to facilitate right-of-way acquisition
- Digital Terrain Model

Firm name	SJB GROUP, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	MovEBR Nicholson Segment 2 (Ben Hur to Bluebonnet Blvd.)	Firm responsibility (prime or sub?)	Sub
Project number	20-CP-HC-0032	Owner's name	East Baton Rouge Parish – Volkert is the Prime
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Jan Evans
Owner's address, phone, email	4141 Bienville Street, Suite 102, New Orleans, LA 70119 | (225) 218-9440 | jan.evans@volkert.com		
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)	$446
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$446

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

Firm's Role: Topographic Survey, Property Survey, and Right-of-Way

Firm Members Involved: Patrick Staiano PLS, Carl Jeansonne PLS, Colby Mire, Anthony Burns, Matthew Schexnayder, Trent Iglehart

Relevant Services

- Topographic Survey
- Subsurface Utility Engineering
- Property Survey
- Right-of-Way

SJB is performing a topographic survey, Subsurface Utility Engineering (SUE), property surveys, and right of way mapping of a 4.1 mile stretch of Nicholson Dr. (LA 30) from Bluebonnet Blvd to Ben Hur Road in East Baton Rouge Parish, Louisiana for a City Parish MOVEBR widening project.

The topographic survey was completed with all principles and objectives set forth in the latest version of the LA DOTD Location and Survey Manual and MoveBR Design Guidelines. A complete inventory of drainage channels was included for preparation of an Existing Drainage Map by Volkert. Subsurface Utility Engineering was completed in accordance with CI/ASCE Standard 38-02, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data.

The property survey and right-of-way mapping will include two sets of maps as necessary because the project includes both DOTD and East Baton Rouge Parish rights of way. All property surveys and right of way mapping will be completed using the Standards of Practice for route surveys as outlined in the Laws and Rules of the Louisiana Professional Engineering and Land Surveying Board, and in accordance with both the MovEBR right-of-way guidelines and LA DOTD Location and Survey Manual.

18. Approach and Methodology:

Bayou Blue Road (LA 316) is located in Gray, LA just outside of Houma, LA in Terrebonne Parish. New sidewalks (2400 ft.) are to be designed on the north side of Bayou Blue Rd from LA 24 to Saint Louis Bayou. Bayou Blue road is a two lane roadway with a no passing zone and has no shoulders. The posted speed limit is 35 mph.

The intersection at LA 24 and Bayou Blue road is a signalized intersection with sidewalks on the northwest, northeast, and southeast quadrants. The southwest quadrant does not have a sidewalk. The sidewalk along LA 24 runs an extensive length (~1.5miles) in the north/south direction. On the northeast quadrant of that intersection there is an operational gas station. Along the north side of Bayou Blue Road, there is subsurface drainage system running from LA 24 to Saint Louis Bayou. Along the south side of Bayou Blue road there are several gas meter risers along the corridor. This is an arterial roadway connecting Gray, LA with Bayou Blue, LA.

Understanding the Project Scope

This project involves the construction of sidewalks along the north side of Bayou Blue Road from LA 24 to Saint Louis Bayou. After a site visit on March 31st, it was noticed that this project has a tight footprint. Acquiring right-of-way would be both costly and time consuming. Because of that, minimizing the required right-of-way will be significant to keeping this project on schedule and feasible.

Buchart Horn (BH) will lead the team performing all design work, overall QA/QC and will be responsible for all coordination of the work effort by the team members (SJB group). BH has worked with the SJB group on similar projects and has an excellent working relationship with them. Additionally, our team is well rounded in sidewalk and multiuse path design with various projects from previous experience.

Design Process

Kick-off Meeting

1. Initial Site Visit
2. Coordinate with LADOTD team members to receive a clear understanding of the project scope.
3. Discuss any concerns or challenges regarding:
    a. Right-of-way
    b. Subsurface drainage system with CB-01s throughout project limits just of north side of roadway.
    c. Utility relocation
    d. Sidewalk lighting
4. Assemble existing data on the project including: improvement studies, traffic data, pedestrian data, right-of-way maps, as-built plans, etc.

90% Preliminary Plans

1. Our team member, SJB Group, will perform a comprehensive topographic survey and subsurface utility engineering (SUE) covering the project limits and add any additional information obtained from the kick-off meeting. They will also prepare the ROW maps.
2. BH will develop preliminary plan set. (Title sheet & Typical sections)
3. Once the survey is complete, BH will check for accuracy and quality before moving forward with plan/profile sheets
4. Discuss options to minimize right-of-way acquisition such as. Based on the DOTD guidelines
    a. Add curb and gutter to minimize the clear zone needed for pedestrians
        i. Impact of existing sub-surface drainage system
        ii. Minimize acquiring new ROW
    b. Obtain design exception(s) for a sidewalk width where needed.
5. Meet with DOTD to finalize work plan
6. BH to finalize 95% preliminary plans
7. Plan-in-hand meeting

95% Preliminary Plans (if needed)

1. BH will use this submittal if determined right-of-way will need to be acquired. If so, a supplement for additional work will be needed.

95% Final Plans

1. Incorporate and resolve comments from 95% preliminary plan submittal and plan-in-hand.
2. Review 23 CFR 625, Design Standards for Highways to confirm BH conformed to the standards used by DOTD.
3. Identify limits of construction and required right-of-way (if needed)
4. BH to finalize 95% final plans
5. Include QA/QC checklist, constructability/bidability review form and special provisions.

100% Final Plans

1. Address any final comments from 95% final plan submittal
2. Include signed, sealed, and dated final plans in electronic PDF format and one reproducible full-size set.
3. Include revised forms if necessary.

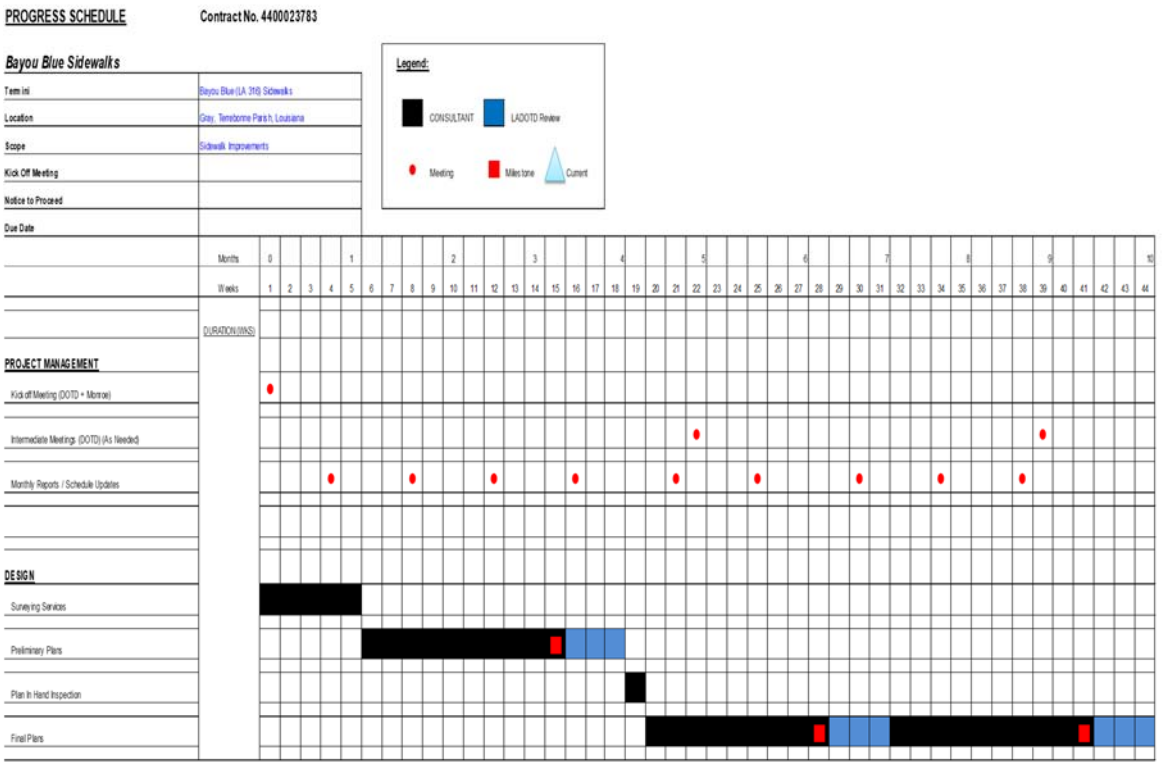
Construction Services

1. BH to provide services required to review and address all requests for information from DOTD's construction contractor that concern plan/specification clarity or plan/specification error.

Project Schedule & Project Expertise

BH understands this project needs to be complete with final plans submitted within the 720 day contract time. The schedule will keep track of milestone submittals (90% preliminary plans, 95% preliminary plans, 95% final plans) as well as meetings and progress schedules along the way.

BH has completed numerous successful transportation projects across the southeast and has distinct expertise in sidewalk design using LADOTD approved software to supply streamline submittals. The BH team has widespread knowledge in plan preparation and QA/QC to deliver preliminary and final design plans on time. We have assembled a full-service Team that provides considerable depth of talent for each of the key project discipline categories. To ensure our ability to meet the schedule, we support our design and planning professionals with junior engineers, designers, technicians, and support staff. These additional resources enable us to optimize our efforts and streamline our work schedules.



** NOTE: This schedule does not show if supplement is needed for additional services including property survey, right-of-way maps and title takeoffs.

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Buchart Horn, Inc.	Environmental	H005257, FAP 9902(518)	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement	$3,284
Buchart Horn, Inc.	Environmental	H.009153.2, FAP H009153	US 84 Improvements	$3,000
Buchart Horn, Inc.	Bridge (Lighting)	H.010319.5	I-110 Reconstruction from North Street-Plank Road	$66,358
Buchart Horn, Inc.	CE&I/OV	H.012422.6	I-110 at Terrace Avenue Ramp Modification CA Services	$3,686
Buchart Horn, Inc.	CE&I/OV	H.012874.6	I-55 at LA 22 Interchange New Lighting CA Services	$31,993
Buchart Horn, Inc.	Traffic (Safety)	H.013322	LA 3040 Corridor Improvements Study	$96,346
Buchart Horn, Inc.	Traffic (Safety)	H.041305.1	US 61: Cardinal Drive to Bert Street	$70,000
Buchart Horn, Inc.	Bridge (Lighting)	H.010616.5	New I-20 Overpass over LA 544 Lighting	$58,546
Buchart Horn, Inc.	Bridge (Lighting)	H.014302.5	US 165 Roadway Lighting	$148,460
Buchart Horn, Inc.	Bridge (Lighting)	H.010319.5	I-110 Lighting from North Street to Plank Road	$52,538
SJB Group, LLC	OTHER		DBE Supportive Services – Region A (2020 – 2023)	$60,955
SJB Group, LLC	CPM	H.013579.6	Pecue Lane/I-10 Interchange II – East Baton Rouge Parish	$4,292
SJB Group, LLC	CPM	H.009620.6	I-10: West of LA 108 to I-210 Interchange – Calcasieu Parish	$2,179
SJB Group, LLC	CPM	H.012901.6	US 90Z (Magnolia St. – Bodenger Blvd) – Orleans Parish	$14,944
SJB Group, LLC	CPM	H.002375.6	Amite R. Br Near French Settlement – Livingston Parish	$39,886
SJB Group, LLC	CPM	H.010018.6	I-10: NO East Drain Canal Bridge Replace – Orleans Parish	$40,238
SJB Group, LLC	CPM	H.003184.6	I-10: Texas State Line – E. of Coone Gully – Calcasieu Parish	$164,826
SJB Group, LLC	CPM	H.012588.6	I-10: Atch Basin Br – W Baton Rouge P/L – Iberville Parish	$35,030
SJB Group, LLC	CPM	H.001234.6	LA 1: Port Allen Canal Br Repl (Ph1) (HBI) – West Baton Rouge Parish	$60,450
SJB Group, LLC	CPM	H.000665.6	UP R.R. Overpass Near Bonita (HBI) – Morehouse Parish	$64,768
SJB Group, LLC	Survey	H.011310.5	Ford Street Extension – East Baton Rouge Parish	$6,771
SJB Group, LLC	Survey	H.004100	I-10: LA 415 to Essen on I-10 and I-12 – East Baton Rouge Parish	$81,148
SJB Group, LLC	Survey	H.012685.5	LA 385: Ryan Street Intersection IMPRS – Calcasieu Parish	$229,080
SJB Group, LLC	Survey	H.009300.5	Hooper Road Widening (LA 3034-LA 37) – East Baton Rouge Parish	$164,073
SJB Group, LLC	Survey	H.014752.5	LA 3021: Dual Turn Lanes @ LA 39 – Orleans Parish	$119,663

SJB Group, LLC	Other	H.009300.5	Hooper Road Widening (LA 3034-LA 37) – East Baton Rouge Parish	$37,135
Burk-Kleinpeter (Prime) SJB Group, LLC (Subconsultant)	Survey/Road	H.013952; H.013963; H.013966; H.013968; H.013982; H.013984; H.013996; H.013976; H.013997; H.013970	Contract No. 44-17597 16 State Project Numbers (33 Structures) Rural Bridge Replacement Initiative, Districts 03,07,61, and 62	$206,430

(Add rows as needed) DO NOT SUM

20. Certifications/Licenses:

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

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

Mr. Kevin John Gaspard
PE.0023835 — 03/31/2023
Active

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

Mr. James Quinton Dickerson III
133 Hemlock Road
Batesville, Mississippi 38606

Mr. James Quinton Dickerson III
PE.0038922 — 09/30/2022
Active

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

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

Mr. William Andrew Pinkley
PE.0040713 — 09/30/2022
Active

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

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

Mr. Caldwell Phillips Joy II
PE.0043830 — 03/31/2024
Active

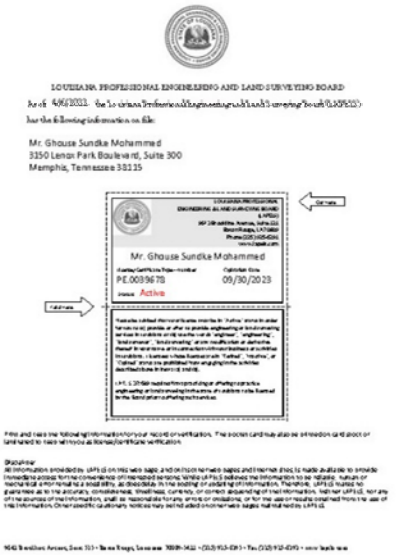
LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

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

Mr. Joseph Folse Mingo
PE.0043700 — 03/31/2024
Active



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 4/6/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)

has the following information on file:

Mr. Ghouse Sundke Mohammed
3150 Lenox Park Boulevard, Suite 300
Memphis, Tennessee 38115

Mr. Ghouse Sundke Mohammed
PE.0039678 — 09/30/2023
Active

Prime consultant name**: Buchart Horn, Inc.**

Transportation Professional Certification Board Inc.

certifies that

Ghouse Sundke Mohammed

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

and is authorized by the Certification Board and subject to the provisions for renewal.

Certificate number 3446 issued in Washington D.C. U.S.A.

March 24 2004

Certificate of Training

MISSISSIPPI CENTER FOR TECHNOLOGY TRANSFER

Certifies that

KENNY GUNN

has satisfactorily completed 24 hours of training in

DESIGN & OPERATION OF WORK ZONE TRAFFIC CONTROL

under the

Local Technical Assistance Program

October 25-27, 2011

DATE

PRESENTER

24

PROFESSIONAL DEVELOPMENT HOURS (PDH)

TTAP

Tennessee Transportation Assistance Program

certifies that

Kenneth Gunn

has completed the requirements for

Work Zone Traffic Control

Tuesday, December 7, 2010 in Chattanooga, Tennessee

earning

6 Professional Development Hours

TDOT


PROOF OF TRAINING

Wilfred Barry
has attended
Traffic Control Supervisor-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Wilfred Barry
has attended
Traffic Control Technician-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Brandon Kinnaird
has attended
Traffic Control Supervisor-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Colby Mire
has attended
Traffic Control Supervisor-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Brandon Kinnaird
has attended
Traffic Control Technician-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Colby Mire
has attended
Traffic Control Technician-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Elvis Nguyen
has attended
Traffic Control Technician-LA State Specific

Director of Training
President, CEO


PROOF OF TRAINING

Elvis Nguyen
has attended
Traffic Control Supervisor-LA State Specific

Director of Training
President, CEO

Prime consultant name**: Buchart Horn, Inc.**

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

Name:	Public Address:
SJB Group, LLC	P. O. Box 1751 Baton Rouge, Louisiana 708211751

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000390	Active	01/14/1997	03/31/2023	Mr. Wilfred B. Barry # PLS.0004612 - Active ; Mr. Carl Anthony Jeansonne Jr. # PLS.0004543 - Active ; Mr. Patrick Carl Staiano # PLS.0005130 - Active


LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

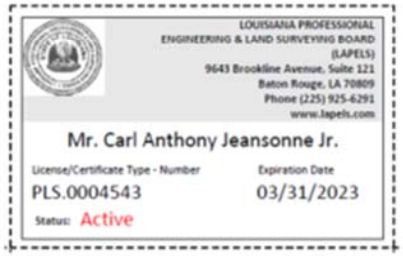
Mr. Wilfred B. Barry

License/Certificate Type - Number: PLS.0004612
Expiration Date: 03/31/2024
Status: Active


LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Matthew Samuel Estopinal

License/Certificate Type - Number: PLS.0004955
Expiration Date: 03/31/2023
Status: Active


LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Carl Anthony Jeansonne Jr.

License/Certificate Type - Number: PLS.0004543
Expiration Date: 03/31/2023
Status: Active


LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Patrick Carl Staiano

License/Certificate Type - Number: PLS.0005130
Expiration Date: 09/30/2023
Status: Active

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

This document has been prepared to outline the Quality Assurance/Quality Control (QA/QC) procedures related to the design and plan preparation of existing and proposed design projects associated with and specifically for the **Contract No. 4400023783 for Bayou Blue (LA 316) Sidewalks** as required by the Louisiana Department of Transportation and Development's Request for Qualification Statements for this project. The QA/QC procedures and guidelines developed herein are to ensure that Buchart Horn, Inc. (BH) has developed the design and plans in accordance with the Contract and that the design and plan preparation 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 QA/QC manager for this project who will be responsible for overseeing the overall quality program, performing independent Quality Assurance reviews as well as the preparation and implementation of the QA/QC plan. BH is fully aware of its responsibility for the QA/QC of design work performed on this project and that review by LADOTD does not relieve BH of this responsibility.

BH **clearly** understands the importance of a defined QA/QC 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 consultant's work.
2. Demonstrate clear understanding of QC/QA concepts in roadway design. Definitions of QC/QA are clearly defined.
3. Responsibilities of 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 the complexity of the project.

BH assumes all responsibility of the QA/QC 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 correction design omission and errors before the design plans are finalized.

Designer: An individual directly responsible for the development of design calculations, drawings, specifications and plan sets. 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 roadway/sidewalk being designed.

Design Checker: An individual responsible for performing 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 roadway/sidewalk being designed /checked.

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

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

QA/QC Responsibilities

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

Contract for Bayou Blue (LA 316) Sidewalks
Contract No. 4400023783

Engineer of Record: , P.E.
QA/QC Manager: , P.E.

Roadway Design
Designer:
Design Checker:
Detailer:
Detail Checker:
Reviewer:

QA/QC 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 for 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 original calculations and calculation checks for the project.

Designers – Prepare all calculations in a neat and logical manner which 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.

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

PROCEDURE

1. Identify each sheet of calculations with designer's initials, date, project name, and sheet number. Indicate portion of 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 to the checker. The originals shall then be placed in a designated binder or folder, in a convenient location, which can be accessed by the entire design team.
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 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 then the Designer shall put a green check on red marks. When the Designer and Checker disagree, then 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 QA/QC Manager, will ensure that this procedure is implemented on all project drawings and 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. It is not intended that the Designer 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 sign-offs.

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

QA/QC Manager performs audits to ensure that procedures are being followed in regard to the checking of 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 as a whole, 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 checking.

   In the case where no corrections, additions or deletions are found, there is no need for back checking 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:

a. Check-marks in green each of the Checker's red-marked changes if in agreement that the Original should be changed and adds in green, with the concurrence of the Checker, any additional changes not picked up by the Checker.
b. 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 resolution cannot be achieved by the two individuals, the appropriate Design Unit Engineer or Design Manager should be requested to resolve the differences.

c. 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, draftsperson, 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 assure 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. The Verifier puts a blue check mark next to each blue-highlighted item after reviewing its incorporation on the Original Drawing.

   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.

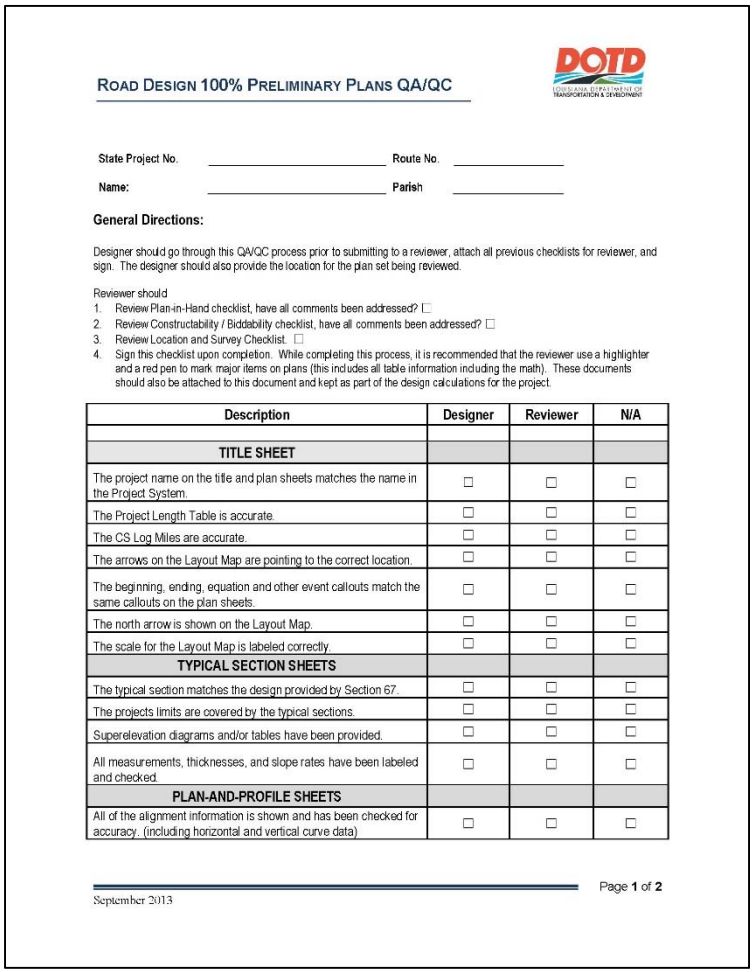
   NOTE: When there is a change to a checked drawing, a new Check Print must be made to check the area that has been changed. The Check Print is stamped and labeled Check Print 2, 3, 4, etc. as applicable and attached to the previous check print(s). The checking follows the same procedure as that of the 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 QA/QC Manager based upon the size, character and complexity of the project.

Certifications

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



ROAD DESIGN 100% PRELIMINARY PLANS QA/QC

State Project No. _____ Route No. _____

Name: _____ Parish _____

General Directions:

Designer should go through this QA/QC process prior to submitting to a reviewer, attach all previous checklists for reviewer, and sign. The designer should also provide the location for the plan set being reviewed.

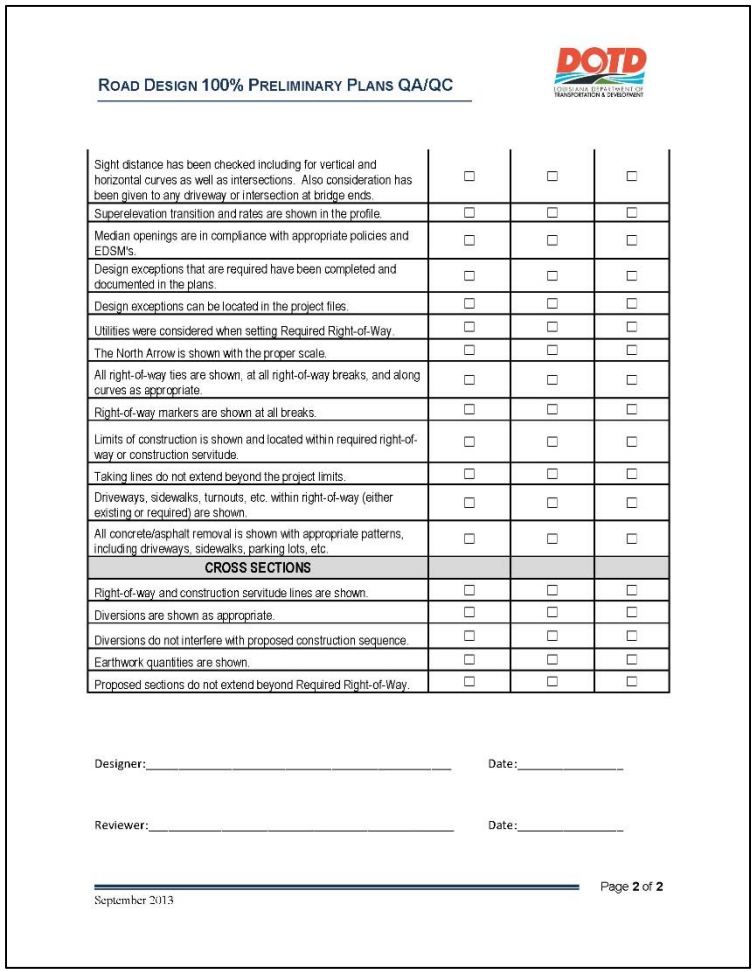
Reviewer should

1. Review Plan-in-Hand checklist, have all comments been addressed? ☐
2. Review Constructability / Biddability checklist, have all comments been addressed? ☐
3. Review Location and Survey Checklist. ☐
4. Sign this checklist upon completion. While completing this process, it is recommended that the reviewer use a highlighter and a red pen to mark major items on plans (this includes all table information including the math). These documents should also be attached to this document and kept as part of the design calculations for the project.

Description	Designer	Reviewer	N/A
TITLE SHEET			
The project name on the title and plan sheets matches the name in the Project System.	☐	☐	☐
The Project Length Table is accurate.	☐	☐	☐
The CS Log Miles are accurate.	☐	☐	☐
The arrows on the Layout Map are pointing to the correct location.	☐	☐	☐
The beginning, ending, equation and other event callouts match the same callouts on the plan sheets.	☐	☐	☐
The north arrow is shown on the Layout Map.	☐	☐	☐
The scale for the Layout Map is labeled correctly.	☐	☐	☐
TYPICAL SECTION SHEETS			
The typical section matches the design provided by Section 67.	☐	☐	☐
The projects limits are covered by the typical sections.	☐	☐	☐
Superelevation diagrams and/or tables have been provided.	☐	☐	☐
All measurements, thicknesses, and slope rates have been labeled and checked.	☐	☐	☐
PLAN-AND-PROFILE SHEETS			
All of the alignment information is shown and has been checked for accuracy. (including horizontal and vertical curve data)	☐	☐	☐

Page 1 of 2

September 2013



ROAD DESIGN 100% PRELIMINARY PLANS QA/QC

Sight distance has been checked including for vertical and horizontal curves as well as intersections. Also consideration has been given to any driveway or intersection at bridge ends.	☐	☐	☐
Superelevation transition and rates are shown in the profile.	☐	☐	☐
Median openings are in compliance with appropriate policies and EDSM's.	☐	☐	☐
Design exceptions that are required have been completed and documented in the plans.	☐	☐	☐
Design exceptions can be located in the project files.	☐	☐	☐
Utilities were considered when setting Required Right-of-Way.	☐	☐	☐
The North Arrow is shown with the proper scale.	☐	☐	☐
All right-of-way ties are shown, at all right-of-way breaks, and along curves as appropriate.	☐	☐	☐
Right-of-way markers are shown at all breaks.	☐	☐	☐
Limits of construction is shown and located within required right-of-way or construction servitude.	☐	☐	☐
Taking lines do not extend beyond the project limits.	☐	☐	☐
Driveways, sidewalks, turnouts, etc. within right-of-way (either existing or required) are shown.	☐	☐	☐
All concrete/asphalt removal is shown with appropriate patterns, including driveways, sidewalks, parking lots, etc.	☐	☐	☐
CROSS SECTIONS			
Right-of-way and construction servitude lines are shown.	☐	☐	☐
Diversions are shown as appropriate.	☐	☐	☐
Diversions do not interfere with proposed construction sequence.	☐	☐	☐
Earthwork quantities are shown.	☐	☐	☐
Proposed sections do not extend beyond Required Right-of-Way.	☐	☐	☐

Designer:_____ Date:_____

Reviewer:_____ Date:_____

Page 2 of 2

September 2013

ROAD DESIGN FINAL PLANS QA/QC

State Project No. _____ **Route No.** _____

Name: _____ **Parish** _____

General Directions:

Designer should go through this QA/QC process prior to submitting to a reviewer, attach all previous checklists for reviewer, and sign. The designer should also provide the location for the plan set being reviewed.

Reviewer should

1. Review Plan-in-Hand checklist, have all comments been addressed? ☐
2. Review ACP checklist, have all comments been addressed? ☐
3. Review Constructability / Biddability checklist, have all comments been addressed? ☐
4. Sign this checklist upon completion. While completing this process, it is recommended that the reviewer use a highlighter and a red pen to mark major items on plans (this includes all table information including the math). These documents should also be attached to this document and kept as part of the design calculations for the project.

Description	Designer	Reviewer	N/A
TITLE SHEET			
The sheet count is correct.	☐	☐	☐
The latest versions of Standard Plans are used.	☐	☐	☐
The type of construction is correct.	☐	☐	☐
The projects limits, bridge sites, equations and exceptions are shown on the layout map. It matches the length in the project table.	☐	☐	☐
Design exceptions (if any) are shown on title sheet and can be located in ProjectWise.	☐	☐	☐
TYPICAL SECTION SHEETS			
All station ranges are accounted for. They match limits shown on Title Sheet and Plan/Profile sheets.	☐	☐	☐
Alternate pavements (if required) are provided.	☐	☐	☐
The limits of seeding and fertilizer are shown.	☐	☐	☐
Typical sections are provided for transitions and detour roads. Appropriate pay items are included.	☐	☐	☐
Maintenance/liability agreement (if needed) has been completed for sidewalks, lighting or bike paths, and it can be located.	☐	☐	☐

ROAD DESIGN FINAL PLANS QA/QC

Description	Designer	Reviewer	N/A
SUMMARY SHEETS			
Detailed check of all quantity tabulations (addition and multiplication) has been completed.	☐	☐	☐
Detailed check of tables matching the plans (typical sections, plan/profiles, cross sections, etc.) has been completed.	☐	☐	☐
Detailed check of quantity transfers from tables to Master Summary has been completed.	☐	☐	☐
Quantities from all disciplines are accounted for (i.e. road, bridge, traffic signals, etc.)	☐	☐	☐
PLAN-AND-PROFILE SHEETS			
Check all notes; verify how all work items will be paid.	☐	☐	☐
Question notes that modify specifications.	☐	☐	☐
The rights-of- way widths are shown.	☐	☐	☐
Right-of way markers are shown at all breaks in right-of way and all P.C.'s and P.T.'s. Right of entry agreements has been obtained, if needed.	☐	☐	☐
Areas where abandoned roadways are to be obliterated and graded have been shown on the plan.	☐	☐	☐
Locations, sizes and descriptions of drainage structures to be removed are shown.	☐	☐	☐
Required construction and drainage servitudes have been shown.	☐	☐	☐
Bedding material has been shown under cross drains.	☐	☐	☐
Driveway types, widths and stations are shown. Handicap ramp types and items are shown. They match tables.	☐	☐	☐
Limits of construction are shown.	☐	☐	☐
There is a note stating existing drainage structures will be removed unless otherwise noted (Urban). There is a table showing amounts of each size pipe to be removed.	☐	☐	☐
The diversion alignment is shown, if required.	☐	☐	☐
DESIGN DRAINAGE MAP			
All drainage areas, direction of flow, run-off factors etc. are shown.	☐	☐	☐
Channel realignments (as needed) have been shown.	☐	☐	☐
Existing structures required to remain are noted and numbered.	☐	☐	☐
GEOMETRIC DETAILS			
Plan/profile sheets have been provided for turnouts where necessary.	☐	☐	☐
Plan/profile sheets have been provided for diversion roads.	☐	☐	☐
Geometric detail sheets include areas and quantities for each turnout.	☐	☐	☐

ROAD DESIGN FINAL PLANS QA/QC

Description	Designer	Reviewer	N/A
SEQUENCE OF CONSTRUCTION			
The sequence of construction matches the proposed joint layout.	☐	☐	☐
Temporary drainage structures are provided during construction.	☐	☐	☐
Sequence typical sections have been provided, if necessary.	☐	☐	☐
Verify that provided lane widths are appropriate and available.	☐	☐	☐
Vertical transitions from existing to new pavement are adequate.	☐	☐	☐
Temporary pedestrian accommodations are provided per TTCs.	☐	☐	☐
GENERAL			
Saw cutting is shown where needed and paid for appropriately. (driveways, pavement cuts, patching, etc.)	☐	☐	☐
Salvageable material is shown as well as where to haul it to.	☐	☐	☐
Environmental mitigation items are included in the plans as necessary.	☐	☐	☐
CROSS SECTIONS			
Cross sections reflect the grading section.	☐	☐	☐
Cross sections reflect the "Req'd Right of Way/Servitude".	☐	☐	☐
Cross sections reflect the embankment widening for guard rail.	☐	☐	☐
The grading section is distinguishable from the existing ground line.	☐	☐	☐
Cross sections reflect cut/fill sections that match the grade shown on the plan/profile sheets.	☐	☐	☐
The diversion is shown on the cross sections.	☐	☐	☐

Designer:_____ Date:_____

Reviewer:_____ Date:_____

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22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
SJB Group, LLC	8377 Picardy Ave., Baton Rouge, LA 70809	Wilfred Barry, PE, PLS Wilfred.Barry@sjbgroup.com	(225) 769-3400

(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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