BKI

DOTD FORM 24-102

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

H.013997 Local Road Bridge
St. James Parish
District 61

CONTRACT NO: 4400030644
STATE PROJECT NO: H.015977.5
FEDERAL AID PROJECT NO: H015977

Off-System Highway Bridge Program
North Achord Rd Over Drainage Bayou
East Baton Rouge Parish

PRESIDENT & CEO
MICHAEL D. CHOPIN, PE

CORPORATE SECRETARY
BRUCE L. BADON, AICP

BURK-KLEINPETER, INC.
ENGINEERING · PLANNING · ENVIRONMENTAL

SENIOR VICE PRESIDENTS
RENE A. CHOPIN, III, PE
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VICE PRESIDENT
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OVER 100 YEARS OF SERVICE

April 10, 2025

Department of Transportation and Development
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

CONTRACT NO. 4400030644
STATE PROJECT NO. H.015977.5
FEDERAL AID PROJECT NO. H015977
OFF-SYSTEM HIGHWAY BRIDGE PROGRAM
NORTH ACHORD RD OVER DRAINAGE BAYOU
EAST BATON ROUGE PARISH

To Whom It May Concern,

In response to your request for qualifications for the above-referenced project, **Burk-Kleinpeter, Inc. (BKI), SJB Group, L.L.C. (SJB),** and **ELOS Environmental, LLC (ELOS)** are pleased to submit our Statement of Qualifications.

The Louisiana Department of Transportation and Development (LADOTD) has found that the off-system bridge at North Achord Rd Over Drainage Bayou is in poor condition and requires replacement. The purpose of this project is to preserve neighborhood routes off Tiger Bend Road. We aim to achieve this by replacing the existing aging and load-restricted bridge structure with a new and improved design that prioritizes safety. Drawing from our experience with 67 similar bridge replacement projects, including 8 off-system bridges, the BKI design team is well-equipped to deliver a high-quality bridge design for the State of Louisiana for the Off-System Bridge Replacement at North Achord Road Over Drainage Bayou.

Our team has the technical expertise to manage the project effectively and provide all necessary engineering and related services for bridge design, bridge evaluation, project management, road design, hydraulic analysis, surveying, and environmental as described in the scope of services. We have a proven track record of preparing bridge and roadway plans, specifications, bridge evaluations, and designs. **As demonstrated throughout our submittal, we have worked on Rural Bridge Replacement projects and have acquired the expertise and knowledge to effectively assess and design the best replacement option for the deficient bridge.**

Our team will take special care to meet context-sensitive challenges and adhere to the DOTD policies and procedures. We are committed to high-quality coordination and communication and will ensure a safe and efficient design. We look forward to collaborating with the Department and local stakeholders on the Off-System Highway Bridge Program North Achord Rd Over Drainage Bayou project.

Sincerely,

René A. Chopin, III, PE

Sections 01-13

H.013952
Jesse B Road Bridge
St. Landry Parish, District 3
Design Engineer: BKI
EOR: René A. Chopin, III, PE

DOTD FORM: 24-102

Proposal to Provide Consultant Services

(Revised December 12, 2024)

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

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

1. Contract Name as shown in the advertisement	North Achord Rd Over Drainage Bayou
2. Contract number(s) as shown in the advertisement	4400030644
3. State Project Number(s), if shown in the advertisement	H.015977.5
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	BKI BURK-KLEINPETER, INC. ENGINEERING • PLANNING • ENVIRONMENTAL
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	License No: EF.0000124
6. Prime consultant mailing address	2400 Veterans Memorial Blvd. Suite 310 Kenner, LA 70062
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2400 Veterans Memorial Blvd. Suite 310 Kenner, LA 70062
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**René A. Chopin, III, PE, Senior Vice President, 504.486.5901, rchopin@bkiusa.com**
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**René A. Chopin, III, PE, Senior Vice President, 504.486.5901, rchopin@bkiusa.com**

10. 10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: 04/10/2025 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): N/A Firm(s) %: N/A

12. Past Performance Evaluation Discipline Table:

Discipline(s)	**% of Overall Contract**	**BKI**	SJB	ELOS	Each Discipline must total to 100%
Road	19%	100%	0%	0%	100%
Bridge	36%	100%	0%	0%	100%
Survey	33%	0%	100%	0%	100%
Environmental	12%	0%	0%	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%	55%	33%	12%	100%

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (must specify)" and include the classification title inside the parentheses.
The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
BKI Burk-Kleinpeter, Inc.	Engineer	2	11
	Engineer Intern	1	1
	Supervisor - Engineer	1	2
	Principal	1	1
	Designer	0	1
	Engineering-Aide	1	1
	CADD Technician	2	3
	Inspector	0	2
SJB Group, L.L.C.	Surveyor	2	4
	Engineer	0	4
	Party Chief	3	6
	CADD Technician	1	1
	Engineer Intern	0	1
	Landscape Architect	0	1
	Technician	0	1
	Rodman	0	1
	Principal	1	1
	Instrument Man	0	2
	Administrative	0	4
	Supervisor - Eng	0	2
	CADD Drafter	0	1
	CADD Operator	2	3
	Senior Technician	2	4

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)
ELOS Environmental, LLC	Environmental Professional	2	2
	Environmental Manager	2	2
	Principal	1	2
	Biologist/Wetlands	3	5
	Archaeolgist	1	2
	Geologist	1	1
	GIS Analyst	2	2
	Historian	1	2
	Technician	2	5
	Inspector - Lead	0	4

Sections 14-16

H.013952
Jesse B Road Bridge
St. Landry Parish, District 3
Design Engineer: BKI
EOR: René A. Chopin, III, PE

14. Organizational Chart:

BKI — Burk-Kleinpeter, Inc.

SJB — SJB Group, L.L.C.

ELOS — ELOS Environmental, LLC

♦ Identifies personnel who have experience on the Rural Bridge Replacement Initiative

\+ Identifies personnel who have completed the appropriate work zone training courses.

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PRINCIPAL / PROJECT OVERSIGHT

♦Michael D. Chopin, PE ***(MPR 1, 2)***

PROJECT MANAGER

♦Andrew R. Jensen, PE ***(MPR 3)*** +

QC/QA MANAGER

♦René A. Chopin, III, PE ***(MPRs 2,3)*** +

ENVIRONMENTAL

ELOS:
♦Lucas Watkins ***(MPR 5)***
♦Brian Fortson ***(MPR 5)***
Christopher Wilson ***(MPR 5)***
♦Mike Hill
♦Cory Ricks ***(MPR 5)***
♦Basile Dardar ***(MPR 5)*** +

ROAD DESIGN

BKI:
♦Andrew R. Jensen, PE ***(MPR 3)*** +
♦Bailee L. Hurm, EI +

HYDRAULICS

BKI:
♦David E. Boyd, PE
♦Renée Poole, PE +

BRIDGE DESIGN

BKI:
♦Rebecca J. Chopin, PE ***(MPR 3)*** +
♦Fares Tannous, Ph.D., PE

SURVEY

SJB:
♦Matthew Estopinal, PE, PLS , + ***(MPR 4)***
♦Charles "Tim" Brewer, PLS, RF, PS, RPLS, RPP, + ***(MPR 4)***
♦Colby Mire, PLS, +
♦Phillip Dowden, +
♦John Burleigh, +
Erick Kidder, +
♦Duke Koontz, +
♦C. Paul Young, +

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by attachment B of the advertisement	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of License	License / certification expiration date
1.	Michael D. Chopin, PE	Burk Kleinpeter, Inc.	PE / 26797 - Civil	LA	9/30/2026
2.	Michael D. Chopin, PE		PE / 26797- Civil	LA	9/30/2026
2.	René A. Chopin, III, PE		PE / 25174 - Civil	LA	9/30/2025
3.	René A. Chopin, III, PE		PE / 25174 - Civil	LA	9/30/2025
3.	Rebecca J. Chopin, PE		PE / 41841 - Civil	LA	3/31/2026
3.	Andrew R. Jensen, PE		PE / 43382 - Civil	LA	9/30/2025
4.	Matthew Estopinal, PE, PLS	SJB Group, L.L.C.	PLS / 4955 PE / 39151 - Civil	LA	3/31/2027
4.	Charles "Tim" Brewer, PLS, RF, PS, RPLS, RPP		PLS / 5009	LA	9/30/2025
5.	Lucas Watkins	ELOS Environmental, LLC	N/A	N/A	N/A
5.	Brian Fortson		N/A	N/A	N/A
5.	Christopher Wilson		N/A	N/A	N/A
5.	Cory Ricks		N/A	N/A	N/A
5.	Basile Dardar		N/A	N/A	N/A

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Michael D. Chopin, PE**	Years of experience with this firm/employer	**34**
Title	*Principal*	Years of experience with other firm(s)/employer(s)	**0**

Degree(s) / Years / Specialization	Bachelor of Science/1991/Civil Engineering
Active registration number / state / expiration date	PE.26797 / LA / 09-30-2026

Year registered	1996	Discipline	Professional Engineer

Contract role(s) / brief description of responsibilities
Principal / Project Oversight

MPR 1, 2

Mr. Chopin serves as Principal and the President at BKI. He will oversee personnel, including schedules, staff, budgets, technical review, and account management for this contract. He has 28 years of professional engineering experience and has provided professional consulting focused on a wide range of public works projects. His relevant experience for this proposed contract includes design, preparation of preliminary and final roadway plans, and specifications in accordance with the LADOTD Road Design Manual, the LADOTD Hydraulic Design Manual, the AASHTO Policy on Geometric Design, and other publications required by the LADOTD. In addition to roadway design experience, Mr. Chopin has extensive drainage design experience related to roadway drainage collection systems, watershed analysis, channel conveyance, and scour protection.

Highlights: LADOTD Standards & Specifications, Project Management, QC/QA, Road Design, Hydrologic and Hydraulic 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 years of experience specified in the applicable MPR(s).
08/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** Project Principal. Providing oversight and quality assurance for preliminary and final plans on the LADOTD Rural Bridge Replacement Initiative project, which includes 67 bridges on the State Highway System and local roadways in Districts 03, 05, 07, 08, 58, 61, and 62. State Projects Included: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997 H.014242, H.014243, H.014245, H.014246, H.014247, H.4248.5, H.014249, H.0142450, H.014268
04/11 -12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Project Principal. Providing oversight and quality assurance for preliminary and final plans for a new interchange on Earhart Blvd. Expressway (LA 3139) at Causeway Blvd. (LA 3046). Project includes road design, bridge design, high mast and standard lighting poles and luminaires, existing girders, inspection, and bridge rating of existing structures. The interchange fits within a compact footprint with unique geometric challenges. It features seven new ramps which include at-grade roadways and bridge structures. Six of the eight movements were under free-flow conditions and two will function under a signal-controlled condition. The project improved connectivity between major regional employment centers in the Earhart Expressway and Causeway Boulevard corridors.
07/07 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Project Principal. Providing QA/QC and project oversight for a new fixed, high level bridge and approach roadways across the Intracoastal Waterway (AASHTO LRFD Design). Project also includes four miles of new approach roadways and reconfiguring the Peters Road/Engineers Road Interchange. In addition, provided extensive drainage review for the purposes of satisfying both Jefferson Parish's and LADOTD's design requirements relative to both the roadway's drainage collection system and the box culvert that is required to allow a portion of the roadway to be placed over the one of the Parish's major drainage canals. Oversaw Navigation Study, Environmental Assessment, and Supplements with FONSI.

03/15 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Project Principal. Provided project QA/QC and guidance for the preparation of line and grade studies. Permitting, preliminary design, and final design. Project is for a new 3.5-mile roadway connecting US-90 and LA 1088, including a multi-use path and two roundabouts. In addition, two (2) 140-foot-long bridges each consisting of seven (7) cast-in-place slab spans on pile bents were required to cross Bayou Castine.
12/17 - Ongoing	**LA 466 / 5th Street Improvements (H.012885) - Gretna, LA** Project Principal. Provided QA/QC and general project oversight for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. BKI prepared both preliminary and final plans in accordance with design criteria to be developed with input from LADOTD and the City of Gretna.
04/18 - 02/25	**Parish Rd 929 at Braud Rd Roundabout - Ascension Parish, LA** Project Principal. Provided QA/QC for the design of a single lane roundabout at Parish Road 929 and Braud Road. The project is part of the MOVE ASCENSION program to improve traffic conditions across the parish. Although this was an Ascension Parish program, for consistency and convenience, LADOTD standards, references, manuals, and format requirements were used.
08/20 – 02/19	**4th Street Extension (H.001413) - Gretna, LA** Project Engineer/Manager. Responsible for the drainage design and establishing the roadway horizontal and vertical geometry. Provided overall project management for the completion of the plans and specifications. For the Environmental Assessment (NEPA), line and grade study, preparation of plans and specifications for a new roadway extension. Project consisted of a new two lane, 1.5-mile-long, concrete roadway, sidewalks, ADA ramps, new drainage collection system and outfall, new railroad at grade crossing, street lighting, and landscaping.
08/17 -0 1/18 *09/00 - 05/01*	**Stumpf Boulevard Drainage Improvements - Stumpf Boulevard Right Turn Lane at Westbank Expressway - Gretna, LA** Project Manger. Managed the construction of new right turn lane (approximately 350 feet long) on Stumpf Blvd. for vehicles turning onto the Westbank Expressway service road. Provided project oversight for the installation of a 72-inch drainage pipe in the Stumpf Boulevard Canal. The pipe would provide sufficient capacity to convey storm water while addressing bank erosion. Adjacent travel lanes along Stumpf Boulevard were replaced after the base failed and roadway surface settled or warped.
10/99 – 06/05	**I-10 Southern Railroad Underpass – Tulane Avenue Interchange (SP 450-90-0103) - Orleans Parish, LA** Lead Project Engineer. Designed a new 850 cubic foot per second drainage pumping station for the interchange. Project included modification to the existing subsurface drainage system and roadway to facilitate the pumping station. Specific design role on this project included the hydrologic and hydraulic analysis to size both the drainage pumping station and the subsurface drainage collection system in accordance with both LADOTD and Sewerage and Water Board of New Orleans requirements. In addition, prepared modifications to the roadway plans and specifications to reflect the new drainage system.
01/11 - 12/16	**Jefferson Parish Westbank Street Repair Program Management - Jefferson Parish, LA** Project Manager. Provided project oversight for a streets improvement program on Jefferson Parish's Westbank. BKI worked closely with Jefferson Parish in administering the program in accordance with FEMA Guidelines. BKI's role included developing scopes, budgets, schedules as well as design oversight, periodic site visits during construction, preparing pay estimates, document change orders, and coordination with FEMA.
01/00 - 12/03	**S.P. No. 742-07-62 Tchoupitoulas Street Roadway Improvements, Jackson Avenue to Felicity Street FHWA - New Orleans, LA** Project Manager. Oversaw the design and preparation of plans and specifications for the reconstruction of the roadway (5,500 linear feet of roadway), including drainage design and utility relocation.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**René A. Chopin III, PE**	Years of experience with this firm/employer	**37**
Title	*Chief Engineer*	Year of experience with other firm(s)/employer(s)	**0**
Degree(s) / Years / Specialization	Bachelor of Science/1988/Civil Engineering		
Active registration number / state / expiration date		PE.25174 / LA / 09-30-2025	
Year registered	1993	Discipline	Professional Engineer - Structural

Contract role(s) / brief description of responsibilities
Chief Engineer and Engineer of Record / QC/QA Manager MPR 2, 3

Mr. Chopin is a Senior Vice President / Chief Engineer at BKI, in charge of project production, project management, and staff supervision. He will provide project quality control and quality assurance and guidance for roadway and bridge designs and plans. He will be involved with establishing the design criteria, type, size, and location, design, and serve as the Engineer of Record (EOR). He has experience in preparing preliminary and final bridge plans in accordance with LADOTD BDEM, BDTMs and ASSHTO for cast-in-place slab spans, precast prestressed girder bridges, and steel plate grider spans supported on both pile bents, and column bents.

Highlights: QC/QA, LADOTD Standards & Specifications, AASHTO Codes and Standards, Bridge Design, Road Design, Project Management, Cost Estimates, and Special Provisions

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** Chief Engineer and EOR. Responsible for the QA/QC on the LADOTD Rural Bridge Replacement Initiative project which includes 67 bridges on the State Highway System and local roadways in Districts 03, 05, 07, 08, 58, 61, and 62. As the EOR, he is responsible for supervising all design tasks to ensure accuracy and compliance with the LADOTD and federal design criteria. Mr. Chopin oversaw the entire team which included professionals performing road, bridge, hydraulics, survey, geotechnical, and environmental design tasks.Work included removal of existing bridges and construction of new concrete bridges, new concrete pilings, new guard rails, replacement of roadway, installation of reinforced concrete boxes (where applicable), and widening of roadway embankment. The contract required special (non-standard) bridge design, in some cases, of cast-in-place slab span bridges with irregular deck geometry, including superstructure and substructure bridge elements. The contract also required the design of a precast LG girder bridge that would be built in split phase construction to maintain traffic. **State Projects Included: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997 H.014242, H.014243, H.014245, H.014246, H.014247, H.4248.5, H.014249, H.0142450, H.014268**
01/13 - 12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Chief Engineer and EOR. Providing design oversight and mentoring of younger engineers for a new interchange between Earhart Blvd. Expressway (LA 3139) and Causeway Boulevard (LA 3046). The existing bridges widened for the interchange were inspected and rated per the Load Resistance Factor Rating (LRFR) and recommendations for correcting deficiencies were prepared for LADOTD's consideration. Prepared the framing plans for the new ramps consisting of AASHTO Type, II, Type III, and BT-72 girders along with curved three-span continuous steel plate girders. Designed and detailed five hammerhead column bents as examples for younger engineers. Checked the design calculations (LRFD) of the bridge decks, prestressed girders, curved steel plate girders, and rolled steel girders (for widening the Causeway bridges), cast-in-place slab spans (both straight and curved), column bents (both hammerhead and multi-column), and pile bents with curtain walls. Completed final QC of roadway and bridge plans for the entire interchange. Also provided oversight of all design waivers and exceptions required for the project, estimated quantities, cost estimates, and special provisions.

10/09 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Chief Engineer and EOR. Providing oversight and QA/QC for a new State Route LA 1261 crossing the Intracoastal Waterway in Plaquemines Parish. The project includes four miles of roadway with various size box culverts crossing drainage canals, reconfiguring the Peters Road/Engineers Road Interchange, two new bridges over the Barataria Canal, 2,069 feet long four barrel 10'x10' box culvert in the Murphy Canal, and a new fixed, high-level bridge. The roadway and bridge were designed for building a two-lane facility, with right-of-way established for a future build-out to a four-lane facility. Mentored younger engineers, collaborating with them on deck design, slab span design, pile-bent and column bent substructure design. Designed and detailed two hammerhead column bents as design examples. Checked the design calculations (LRFD) of the bridge decks, prestressed girders (AASHTO Type III and BT-72), 3-span continuous steel plate girders (main span), cast-in-place slab spans (both straight and curved), column bents, and pile bents. A unique feature was bridge structure with three directional approach slabs, two parallel and one perpendicular to the Barataria Canal, due to the proximity of the roadway to top of bank of the canal. Completed final QC of roadway and bridge plans for the entire project and provided oversight of all design waivers and exceptions required for the project, estimated quantities, cost estimates, and special provisions. Project Manager for construction engineering support including shop drawings, submittal review, and answering RFIs, for Phase I of the project completed in 2014. Phase I was three miles of roadway from LA 23 to Barriere Canal Road with various size box culverts with both open and subsurface drainage. Oversaw Navigation Study, Vessel Collision Analysis, Environmental Assessment, and Supplements with FONSI.
12/13 - 09/19 Project in Section 17	**Multiple Bridges: Bob Pettit Road and Claycut Road Bridges - Baton Rouge, LA** Chief Engineer and EOR. Structural QA/QC for the replacement of a bridge on Bob Pettit Road over Bayou Fountain and Claycut Road over Dawson Creek. The bridges are precast concrete slab span structures, each designed for at least two lanes of traffic with two six-foot sidewalks, The designs were completed in accordance with LRFD standards.
03/15 - Ongoing	**Mandeville Bypass Project - Mandeville, LA** Chief Engineer and EOR. Oversight of the bridge TS&L studies for two stream crossing sites. EOR with oversight of final bridge plans, including checking design calculations and final QC of plans for a 140 feet long bridge consisting of seven (7) 20' cast-in-place slab spans on pile bents over Bayou Castine. In addition to the vehicular bridge, provided oversight of the design and details for the pile bents supporting a pre-engineered pedestrian bridge.
08/12 - 12/18	**Belle Chasse Tunnel & Bridge (HBI) Environmental Assessment (EA) and Traffic Study – Belle Chasse, LA** Project Manager. Responsible for the line & grade study, cost estimates, and constructability review for a traffic study of the LA 23 corridor. Mentored younger engineers in developing type, size, and location of the fixed bridge alternatives.
06/18 - 01/20	**Wolf Bay Bridge Final Design - Orange Beach, AL** Project Manager. Oversight for the 5,077 linear foot high-rise bridge design for a project connecting SR-161 across Wolf Bay to CR-95. Responsible for QC of design calculations and bridge plans. Assistied in obtaining environmental clearance and USCG permits for the bridge. The bridges cross the Intracoastal Waterway Navigation Channel in Wolf Bay. Oversaw Navigation Study, Vessel Collision Analysis, and Environmental Assessment.
02/07 - 03/14	**I-10 Widening Veterans Blvd. – Clearview Pkwy. - Metairie, LA** Project Manager. Oversaw roadway and bridge design for widening approximately 1.5 miles of urban interstate highway. Provided QC of roadway and bridge plans during preliminary and final plans. Attended the monthly partnering meetings, supervised the shop drawing reviews and answered RFIs during construction.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Andrew R. Jensen, PE**	Years of experience with this firm/employer	**10**
Title	*Civil Engineer / Project Manager*	Years of experience with other firm(s)/employer(s)	**0**
Degree(s) / Years / Specialization	Bachelor of Science/2014/Civil Engineering		
Active registration number / state / expiration date		PE.43382 / LA / 9-30-2025	
Year registered	2019	Discipline	Professional Engineer

Contract role(s) / brief description of responsibilities
Project Manager / Road Design Team Lead

MPR 3

Mr. Jensen will serve as Project Manager road design team lead on this project. He has managed the design of 9 rural bridges for the Rural Bridge Replacement Initiative. He has performed civil engineering design services on many LADOTD and LPA projects that require adherence to LADOTD design criteria. He has extensive experience working on projects involving interchange design, roadway and bridge geometrics, typical sections, superelevation, intersections, roadway and bridge drainage design, LADOTD guard rail design, and pedestrian accessibility. Mr. Jensen is proficient in MicroStation, CadConform, AutoTurn, and InRoads software. He is experienced in plan development, project management, communication and leadership, document and deliverable control, and quality control. He has a deep understanding with LADOTD's published design criteria and policies, including the Complete Streets policy. He is experienced in providing complete deliverable packages with all required documentation including but not limited to, design reports, design waiver and exception requests, Transportation Management Plans (TMP), responses to comments, design calculation books, construction plans, and specifications. He has experience representing the design consultant during plan-in-hand meetings, joint plan review meetings, final plan review meetings, and constructability / bidability reviews.

Highlights: LADOTD Standards & Specifications, Roadway Design, Geometric Layouts, Drainage Design, AASHTO Codes & Standards, QC/QA, and Project Management

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** Project Manager/Roadway Design Team Lead. Providing oversight and roadway design services for the LADOTD Rural Bridge Replacement Initiative including 67 bridges on the State Highway System and local roadways in Districts 03, 05, 07, 08, 58, 61, and 62. Work includes removing existing bridges and constructing new concrete bridges, new concrete pilings, new guard rails, replacement of roadway, installation of reinforced concrete boxes (where applicable), and widening of roadway embankment. In some cases, the contract required unique (non-standard) bridge design of cast-in-place slab span bridges with irregular deck geometry, including superstructure and substructure bridge elements. The contract also required the design of a precast LG girder bridge that would be built in split phase construction to maintain traffic. He is responsible for managing all design tasks and task leaders to ensure project delivery per the scope and schedule. He represents BKI as the prime consultant in all relevant meetings with the LADOTD, subconsultants, and stakeholders. The contracts include 25 state project numbers that must be delivered as separate construction packages. He is responsible for each project as they all move through the development process. He practices a high level of communication and provides consistent updates as changes occur. He effectively manages all subconsultants to ensure all deliverables are compliant regardless of which subconsultant produces them. As the roadway design engineer, he is responsible for all roadway design tasks, and develops the design criteria and design report following LADOTD guidance and the roadway design manual. He produces plan sheets, including, but not limited to, title sheets, typical sections and details, embankment widening details, summary tables, reference points & benchmark elevations, temporary erosion control, cross sections with earthwork calculations, geometric details, suggested sequence of construction, and plan profile sheets.

07/14 - 12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Roadway Design Team Lead. Responsible for the design of the proposed interchange in Jefferson Parish. Responsible for roadway and bridge geometrics for the complex interchange in a dense urban environment. Prepared geometric layout, geometric control, curve data, typical sections, and plan profile sheets. Produced guard rail design, superelevation details, graphical grades, pavement marking layouts, design reports, waivers, and exceptions. Created hydraulic calculations for storm drainage system and design drainage maps. Encountered and resolved major challenges during the drainage design caused by a high-water surface elevation in the outfall canal. Coordination with utility companies to mitigate conflicts with existing utilities.
05/22 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Roadway Design Team Lead. Responsible for the design of a proposed fixed, high-level bridge across the Gulf Intercoastal Waterway with connecting roadways to Peters Road (LA 3017) in Jefferson Parish and LA Highway 23 in lower Belle Chasse. Mr. Jensen is responsible for checking geometric data, guardrail design, intersection design, quantity calculations, cost estimating, and plan production. Performing super-elevation designs and worked with the bridge design team to make sure the geometric designs were correctly reflected in the structural designs and details for the project.
12/14 - 09/19 Project in Section 17	**Multiple Bridges: Bob Pettit Road and Claycut Road Bridges - Baton Rouge, LA** Road Design Engineer. Performed a quality control check of the bridge plans including the general bridge plans and structural details for the replacement of a bridge on Bob Pettit Road over Bayou Fountain.
08/12 - 12/18	**Belle Chasse Tunnel & Bridge (HBI) Environmental Assessment (EA) and Traffic Study – Belle Chasse, LA** Road Design Engineer. Responsible for the line and grade design drawings for the Belle Chasse Tunnel and Bridge Environmental Assessment. Developed several design alternatives for the EA to compare. Produced geometric design, typical sections, design reports, intersection design, horizontal and vertical alignments, cost estimates, right-of-way impact estimates, and prepared drawings for public meetings.
06/18 - 01/20	**Wolf Bay Bridge Final Design - Orange Beach, AL** Road Design Engineer. Participated in the geometric design of the bridge and the girder framing plan for a project connecting the City of Orange Beach to annex land across Wolf Bay and the Intracoastal Waterway Channel. Ensured that the bridge design complies with federal AASHTO and state traffic safety standards.
12/17 - 03/19	**4th Street Extension (H.001413) - Gretna, LA** Road Design Engineer. Provided civil engineering services as well as construction administration, and LADOTD coordination for the design and construction of a two-lane, minor arterial roadway (LA 18 / 4th Street Extension) within the former Union Pacific Railroad right-of-way. The roadway section consisted of two 12-foot lanes with subsurface drainage. The project also included multi-use pedestrian/bike path, decorative lighting, and landscaping.
03/15 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Road Design Engineer. Responsible for ensuring conformity with LADOTD and AASHTO design criteria. Conducted geometric design reviews for roundabouts, intersections, superelevation, and geometric details. Plan development included preparing typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, construction sequences, and cross sections and generating existing and proposed surface models.
04/18 - 02/25	**Parish Rd 929 at Braud Rd Roundabout - Ascension Parish, LA** Road Design Engineer. Tasked with developing all necessary construction plans for the proposed roundabout. Completed the roundabout geometry and design in accordance with LADOTD design criteria. Successfully minimized right-of-way impacts on the surrounding residential properties. Created the signing and striping plans following the MUTCD standards. Developed a suggested construction sequence based on the parish's traffic maintenance requirements. Conducted all subsurface drainage plan development. Oversaw project scheduling, coordination, and delivery.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Rebecca J. Chopin, PE**	Years of experience with this firm/employer	**11**
Title	*Civil Engineer*	Years of experience with other firm(s)/employer(s)	**0**
Degree(s) / Years / Specialization	Bachelor of Science/2013/Civil Engineering		
Active registration number / state / expiration date		PE.41841 / LA / 03-31-2026	
Year registered	2017	Discipline	Professional Engineer - Structural

Contract role(s) / brief description of responsibilities
Bridge Design Team Lead

MPR 3

Ms. Chopin will serve as Bridge Design Team Lead on this project. She is a Registered Professional Engineer in Louisiana, Mississippi, and Alabama with expertise focused on bridge design, inspection, and rating in accordance with Load Resistance Factor Rating (LRFR) with an emphasis on LADOTD bridge design standards and procedures. She is proficient in LEAP Bridge Concrete, Mathcad, and MicroStation. Typical responsibilities include managing project teams and plan production on large scale roadway and bridge projects, preparing construction documents, leading CAD technicians and engineers, obtaining DOTD permits, creating cost estimates and bid specifications, preparing final calculation books and as-designed rating reports, generating bid tabulations, utility coordination, quality control, and construction administration. Ms. Chopin holds Louisiana ATSSA Traffic Control Supervisor and Traffic Control Technician certifications.

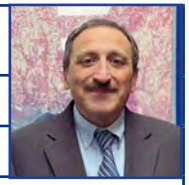
Highlights: Project Management, LADOTD Standards & Specifications, AASHTO Codes and Standards, Load Resistance Factor Rating, Concrete Design Expert, QC/QA

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** ***Phase I:*** Bridge Design Engineer. Responsible for the redesign, removal, and reconstruction of 33 bridges on the State Highway system over 16 concurrent contracts. Specific tasks included the QC of bridge plan sheets including summary of estimated quantity tables, modifying LADOTD Special Detail sheets, and creating bridge design calculation packages according to the Bridge Design Evaluation Manual (BDEM – Revision 9). ***Phase II:*** Bridge Design Engineer. Responsible for the QC of the design of LA 119 over Bayou Pierre in Natchitoches Parish. Responsibilities included the review of the superstructure and substructure design and detailing of the 3-span bridge (40'-80'-40') on 24" sq. prestressed concrete pile bents as well as the as-designed bridge ratings. Bridge has an overall width is 42'-6" accommodating two (2) lanes with 12'-0" and 4'-0" shoulders. Bridge superstructure consisted of 8" deck composite with LG-36 beams @ 7'-2" spacing, and 36" sing-slope traffic railings. Since road closure was not feasible, bridge will be constructed in two phases. Engineer responsible for QC of the design and as-built rating of two (2) curved slab span bridges on LA:399: Bridges Near Fullerton. Bridge 1A is 160' in length and bridge 1B is 120'. Both bridges have a clear roadway width of 40'. Responsibilities included the superstructure and substructure QC of design and detailing.

08/14 -12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Project Manager/Bridge Design Team Lead. Responsible for managing the design team, including communication with subconsultants and LADOTD. Responsibilities included completing a full inspection of existing bridge column bents and determining load carrying capabilities in accordance with LRFR as well as the structural design of multiple new ramps utilizing AASHTO girder spans. Designed several foundations, columns, and bent caps, as well as pile bents, bearing pads, and concrete decks. In addition, responsibilities include working with CAD techs on plan development of sheets such as structural details, general bridge plans, super-elevation diagrams, foundation layouts, and framing plans. Responsible for coordination with LADOTD project managers and utility coordinators on utility relocations, preparing project utility maps for meetings, and coordinating requirements of SUE work performed. Completed final plan cost estimates and technical specifications as well as bridge design waivers.
07/14 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Project Manager/Bridge Design Team Lead. Responsible for managing the design team, including communication with subconsultants, LADOTD, Jefferson, and Plaquemines Parish. Responsible for the bridge design of 3 bridges (2 simple, slab span bridges and 1 fixed, high-level bridge over the Intracoastal Waterway) in accordance with LADOTD and AASHTO codes and standards, including the design of concrete slab spans, pile bents, and hammerhead bents including cap, column, and foundation design. Responsibilities for both phases also include coordinating with CAD technicians on plan development for structural detail sheets, general bridge plans, super elevation diagrams, and foundation layout sheets as well as calculating bridge elevations and quantities, completing design reports, waivers, and exceptions, and coordination with LADOTD project managers. Project engineer responsible for splitting the Phase II plans into two separate phases as well as coordinating with a subconsultant on required ROW acquisitions.
12/13 - 09/19 Project in Section 17	**Multiple Bridges: Bob Pettit Road and Claycut Road Bridges - Baton Rouge, LA** Bridge Design Engineer. Provided QC for the Bob Pettit Road Bridge over Bayou Fountain. The simple span bridge consists of concrete slab spans on pile bents and was designed in accordance with LRFD. Responsibilities included checking drawings, calculations, and quantities, as well as assembling the final Engineer's cost estimate and structural calculation book.
06/18 - Ongoing	**Wolf Bay Bridge Final Design - Orange Beach, AL** Bridge Design Team Lead. Provided bridge design for a project connecting SR-161 across Wolf Bay to CR-95. The project will extend approximately 4.8 miles, with the bridge approximately 4,800 linear feet in length and surface streets approximately 3.9 miles long. Designed concrete bridge deck, prestressed concrete AASHTO girders, pile bents, and column bents.
03/15 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Bridge Design Team Lead. Responsible for the completed bridge design and details for two single direction roadway bridges (simple slab spans) over Bayou Castine, including the design of the decks, intermediate bents, abutments, and approach slabs. Coordinated with Geotechnical Engineers on review of the geotechnical report. Collaborated with hydraulic engineers for the purpose of the hydraulic data table. Additional responsibilities included quantity summary tables, cost estimating, and writing technical specifications.
04/22 - 12/22	**Bridge on Pine Mountain Dr. over Old Hwy 280 - Birmingham, AL** Project Manager/Bridge Design Team Lead. Responsible for coordination with the client as well as the City and County engineers on project progress & reviews. Oversaw and directed the engineering and drafting design team to complete bridge design plans, traffic control plans, and an engineer's estimate of cost for the project. Designed bridge superstructure and substructure elements including decks, caps, and foundations, and was responsible for detailing those elements. Was the design engineer in charge of managing the plan set and bringing the design team together to deliver the project on time.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Fares E. Tannous, PH.D., PE**	Years of experience with this firm/employer	**1**
Title	*Senior Civil Engineer*	Years of experience with other firm(s)/employer(s)	**25**



Degree(s) / Years / Specialization	Ph.D. of Science / 1997 / Civil Engineering Master of Science / 1990 / Civil Engineering Master of Business / 2005 / Business Administration Bachelor of Science / 1988 / Civil Engineering
Active registration number / state / expiration date	PE.47542 / LA / 9-30-2025

Year registered	2023	Discipline	Professional Engineer - Civil

Contract role(s) / brief description of responsibilities

Senior Bridge Design

Mr. Fares has 25 years of experience in structural design and project management specializing in bridge design, bridge inspection and load rating project plans and specifications, design review and construction services. In addition to projects in Louisiana, he has worked on numerous bridge projects for Cities, Counties and DOTs in the states of Florida, Georgia, Rhode Island, and West Virginia. Bridge design and load rating experience encompasses complex steel bridges (short and long-span); pre- stressed concrete and timber bridges; seismic design and retrofitting; bridge inspection and rehabilitation studies. Bridge team lead inspection experience includes culverts, concrete bridges (cast-in-place and precast), and steel plate girder bridges (short and long span, low and high profile).

Highlights: Bridge Design, LADOTD Standards & Specifications, AASHTO Codes and Standards, LG Girder Design, Superstructure Design, Bridge Rating, and Substructure Design, Steel Girder 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 years of experience specified in the applicable MPR(s).
01/23 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Multiple Parishes, LA** Lead Design Engineer. Responsible for the design of LA 119 over Bayou Pierre in Natchitoches Parish. Responsibilities included the superstructure and substructure design and detailing of the 3-span bridge (40'-80'-40') on 24" sq. prestressed concrete pile bents as well as the as-designed bridge ratings. Bridge overall width is 42'-6" accommodating two (2) 12'-0" lanes, 12'-0" and 4'-0" shoulders. Bridge superstructure consisted of 8" deck composite with LG-36 beams @ 7'-2" spacing, and 36" sing-slope traffic railings. Since road closure was not feasible, bridge will be constructed in two phases. Also lead design engineer for the design and as-built rating of two (2) curved slab span bridges on LA-399 near Fullerton. Bridge 1A is 160' in length and bridge 1B is 120'. Both bridges have a clear roadway width of 40'. Responsibilities included the super structure and substructure design and detailing.
01/23 - 12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Lead Design Engineer. Responsible for final structural design and detailing of Earhart Blvd. Expressway (LA 3139) and Causeway Boulevard (LA 3046) Interchange (Phase IIB). Design and detailing responsibilities of the concrete superstructure and substructure segment of the 1473 LF ramp with span arrangement (Precast Concrete AASHTO Beams:1 @ 50.75', 1 @ 47.75', 1 @ 54.5', 2 @ 47.5', 5 @ 32.0', 2 @ 60.0', (170'-210'-170' – steel bridge section), 3 @ 70.0', 1 @ 65.0', and cast-in place flat slab 6 @ 20.0'). The substructure consisted of a cast-in-place hammerhead, piles bent, multi-column piers supported on concrete piles. In addition, performed QA/QC of steel bridge section of the ramp. All bridge design and load rating were performed using Open Bridge Designer Connect Edition Software. Design challenges included curved bridge sections, variable width with flared girders and superelevation transition, connection detailing of ramp to the existing mainline bridge, and construction staging with other project phases.

01/23 - 12/26 (est)	**Mandeville Bypass Project -Mandeville, LA** Design Engineer. Responsible for the design of the 140' pedestrian bridge substructure. The pedestrian bridge superstructure is a single span pre-fabricated steel unit. Responsibilities included designing the two (2) pile supported abutments, wingwalls, and pedestrian bridge approaches.
01/23 - Ongoing	**UBRR Segments 4 & 5 Alternatives - Lafourche Parishes, LA** Design Engineer. Investigated four (4) bridge span arrangement and cross section alternatives of a 590' long and 17.5' wide Segment 4 Access Bridge over the Godchaux Canal. Bridge Alternatives 1 and 2 spans consisted of 14" cast-in-place flat slabs or 15"x52" prestressed slab units with composite overlay. Alternative 3 superstructure mainly consisted of 15"x52"prestressed slab units with composite overlay and a 22'- 6" steel beam removable channel span. Alternative 4 is similar to Alternative 3, however the channel span consisted of 31'-6" steel beam bascule span with steel grating deck. Completed preliminary design calculations and plans.
01/23 - Ongoing	**Ascension Storm Surge Protection Project - Ascension Parish, LA** Lead Design Engineer. Responsible for designing the Pump Station Access Bridge with an overall length of 84' (4 continuous spans, 21' each), coordinating the furnishing of preliminary design for a pre-cast bridge (121' long x 27.5' wide) access ramp. Design also included a 47.5 long x 45' wide cast-in-place reinforced concrete T-beam platform for the pump station's electric generators as well as the pile supported foundation of twin 10.5' diameter x 43' long 25,000 gallon fuel tanks.
01/23 - 02/23	**Rosethorne Water Treatment Plant - Jefferson Parish, LA** Design Engineer. Responsible for final design and detailing of 18'-6" aluminum (6061-T6 alloy) service bridge and supports, and timber pile foundation for service crane. Design options included detachable bridge bearings to lift bridge when needed.
PRE-BKI EXPERIENCE	
06/20 - 08/22	**Florida Department of Transportation, District 2 -Taylor County, FL** Lead Design Engineer and EOR. Oversaw design for two bridge replacements: CR 361 over Fish Creek Bridge consisted of furnishing a triple 4'x11' cast- in-place bridge culvert (Br. No. 384104) and CR 361 over Cypress Creek Bridge consisted of furnishing a single 60'-0" span bridge of 36"-FIB with 8" composite slab (Bridge No. 384105). Engineering responsibilities included design, load ratings, structural drafting, shop drawings review and services during construction of both bridges. Construction of Bridge 384104 involved 2-phase construction and construction of bridge 384105 involved constructing a 2-lane on-site detour with single 40'-0" span ACROW Bridge.
02/09 -02/10	**SR 417 over Valencia College Lane -Orange County, FL** Project Manager/Engineer. Responsible for final design details and drafting of bridge drawings. Project consisted of two-lane widening of dual two-span bridge structures (83' ft.-83.0 ft). Engineering responsibilities included furnishing staged construction and demolition details, deck widening details, AASHTO Type Ill beam design details, new piers and abutment details, and joint replacement details.
06/06 - 06/08	**Burnt Store Road Over Shadroe Canal; Horseshoe Canal and Hermosa Canal -Lee County, FL** Project Engineer/Manager. Responsible for the design and structural detailing of three concrete bridges. Each bridge consisted of two spans (103'-103') of pre-stressed Type VI AASHTO beams composite with bridge deck with MSE abutments and cast-in-place wingwalls. Design responsibilities included the design of Type IV beams, bearings, intermediate pile bent, end bents, load rating, and drafting a combined set for all three bridges.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**David E. Boyd, PE**	Years of experience with this firm/employer	**19**
Title	*Civil / Hydraulic Engineer*	Years of experience with other firm(s)/employer(s)	**2**
Degree(s) / Years / Specialization	Bachelor of Science/2004/Civil Engineering		
Active registration number / state / expiration date		PE.35510 / LA / 09-30-2026	
Year registered	2010	Discipline	Professional Engineer - Civil

Contract role(s) / brief description of responsibilities

Hydraulic & Hydrologic Design

Mr. Boyd is Vice President of the Civil Engineering Division and will serve as a member of the road design team. He has 21 years of experience in roadway design and project management specializing in hydraulic design, project plans and specifications, design review and construction services. He has worked on numerous bridge and roadway projects for cities, parishes and LADOTD. Mr. Boyd is proficient in USACE HEC RAS hydraulic modeling software and ArcGIS. He has analyzed bridge scour and culvert design throughout the state of Louisiana. In addition, Mr. Boyd has completed design documents, construction administration and project management for multiple roadway projects.

Highlights: LADOTD Standards and Specifications, AASHTO Codes and Standards, Project Management Requirements, Hydraulic 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 years of experience specified in the applicable MPR(s).
08/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** Hydraulic Engineer. Oversaw and provided QA/QC for the hydrologic-runoff calculations using LADOTD's Hydraulic Software (Hydr2009) HYDR1110, HYDR1130 and HYDR2130 as well as QA/QC for Hydraulic calculations using Hydraulic Engineering Center – River Analysis System (HEC RAS). Maximum Water Surface Elevations for the 25, 50, 100 Year Events were determined to set the low chord of the bridges. HEC RAS was also used to compute the bridge scour for the pier configurations (types, sizes and quantities) of each bridge. This hydrologic and hydraulic data was used for the redesign, removal and reconstruction of 33 LADOTD bridges. **Bridges Included: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997, H.014242.5, H.014243.5, H.014245.5, H.014246, H.014247.5, H.4248.5, H.014249.5, H.0142450.5, H.014268.5**
07/14 - 12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Hydraulic Engineer. Provided project hydraulic engineering services for the preparation of line and grade studies for the Earhart Blvd. Expressway / Causeway Blvd. Interchange. Duties included preliminary and final plans including the preparation of typical sections, plan/profile sheets, existing and design drainage maps-plans, geometric layouts, sequence of construction, and cross sections.
10/09 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Hydraulic Engineer. Responsible for determining the hydraulics for the construction of the High-Level Bridge over the Intercoastal Canal in Belle Chasse. Bridge pier and bent configurations were determined by performing bridge scour computations in the United Starts Army Corps of Engineers (USACE) HEC RAS - Unsteady State hydraulic model titled East of Harvey Canal (EOH) SELA Flood Control Projects. Designed hydraulically modeled box culvert configurations for the approaches to Peter's Road Bridge and Extension.

12/13 - 0919 Project in Section 17	**Multiple Bridges: Bob Pettit Road and Claycut Road Bridges - Baton Rouge, LA** Hydraulic Engineer. Calculated bridge scour using HEC HMS and HEC RAS software for the replacement of a bridge on Bob Pettit Road over Bayou Fountain and Claycut Road over Dawson Creek. These were concrete slab spans on pile bents (LRFD). The bridges were not to interfere with the current hydraulics of the canal.
06/18 - 10/20	**Wolf Bay Bridge Final Design - Orange Beach, AL** Hydraulic Engineer. Responsible for determining the hydraulics for the construction of the Wolf Bay Bridge. Bridge pier and bent configurations were determined by performing bridge scour computations in the United Starts Army Corps of Engineers (USACE) HEC RAS - Unsteady State hydraulic modeling software.
01/06 - 03/18	**4th Street Extension (H.001413) - Gretna, LA** Project Manager. Provided project management and guidance as well as hydraulic engineering services for the preparation of line and grade studies for the City of Gretna and LADOTD's 4th Street Extension Project. Duties included preliminary and final plans including the preparation of typical sections, plan/profile sheets, existing and design drainage maps-plans, geometric layouts, sequence of construction, and cross sections for a two-lane, minor arterial road-way within the former Union Pacific Railroad right-of-way. The project limits extend from Richard Street to Burmaster Boulevard for a total length of 1.15 miles. The project also includes intersections with cross-streets that previously traversed the Railroad right-of-way as well as an eight-foot wide multi-use path, decorative roadway lighting, and landscaping. The roadway consists of concrete pavement, with 12-foot lanes, and includes subsurface drainage along its length.
03/15 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Hydraulic Engineer. Provided hydraulic engineering services as well as guidance for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections. The project included 3.5 miles of roadway, a multi-use path, and two roundabouts.
04/18 - 02/25	**Parish Rd 929 at Braud Rd Roundabout - Ascension Parish, LA** Project Manager. Oversaw design of a single lane roundabout at Parish Rd 929 and Braud Rd. The project is part of the MOVE ASCENSION program to improve traffic conditions across the parish. Although this was an Ascension Parish program, for consistency and convenience, LADOTD standards, references, manuals, and format requirements were used.
12/17 - Ongoing	**LA 466 / 5th Street Improvements (H.012885) - Gretna, LA** Civil Engineer. Provided project management and design for drainage, roadway, and streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Renee Poole, PE**	Years of experience with this firm/employer	**5**
Title	*Civil Engineer*	Years of experience with other firm(s)/employer(s)	**0**
Degree(s) / Years / Specialization	Bachelor of Science/2019/Civil and Environmental Engineering		
Active registration number / state / expiration date	PE.47869 / LA / 09-30-2025		
Year registered	2023	Discipline	Professional Engineer - Civil

Contract role(s) / brief description of responsibilities
Hydraulic & Hydrologic Design

Ms. Poole will serve on the Road Design Team with a focus on Hydraulic and Hydrologic Engineering. She is proficient in MicroStation V8, InRoads, AutoCAD 2021, Civil3D, HEC-RAS, PC SWMM, Q-GIS, and HYDR-WIN. Her professional experience has focused on hydrologic and hydraulic analyses as well as drainage system improvements and includes full-reconstruction roadway improvement design. In addition, she completed ATSSA Traffic Control Technician and Supervisor - LA training.

Highlights: LADOTD Standards and Specifications, Runoff Calculations, Overland Flow, Inlet Sizing and Spacing Calculations, Subsurface Pipe Design, Curb and Gutter Drainage 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 years of experience specified in the applicable MPR(s).
07/20 - 07/26 (est) Project in Section 17	♦**Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA** ***Phase I:*** Lead Hydraulic & Hydrologic Design Engineer. Completed the hydrologic, hydraulic and scour analyses for 40+ bridge sites, both on- and off-system. Found the drainage area, hydrologic length, and slope using quad contour maps, LiDAR, or Q-GIS, and soil classification to calculate the existing channel's flow. Cut cross sections of the channel. Created a HEC RAS model to analyze the existing structure and channel. Worked with the roadway team to determine what type of structure would be best, a suitable low cord and length for the proposed bridge or allowable sized of the culvert. Created a new HEC-RAS model for the proposed bridge and the channel improvements. Used the HEC RAS model to analyze the proposed scour. Created and completed the criteria and hydraulic reports for this project. Completed all hydrologic work, hydraulic work, and report for each site included in the project. Also, calculated the required size of any/all driveway and erosion culverts required on the site. ***Phase II***: Lead Hydraulic & Hydrologic Design Engineer. Reviewed each site's hydrologic & hydraulic engineering analysis and hydraulic criteria and design reports completed by subconsultant for complete reconstruction of multiple deficient bridges maintained by LADOTD. Also, calculated the required size of any/all driveway and erosion culverts required on the site.
05/19 - 12/26 (est) Project in Section 17	**Earhart Blvd (LA 3139) / Causeway (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Hydraulic & Hydrologic Design Engineer. Designed the relocation of Jefferson Parish's water and sewer mains for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046). Handled roadway and drainage design changes due to bent relocations and DOTD comments in final plans, quantity changes, and roadway plan preparation.
05/19 - 08/26 (est) Project in Section 17	**Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA** Hydraulic & Hydrologic Design Engineer. Coordinated with Jefferson Parish to determine the scope of work in regards to the existing utility layout. Analyzed existing waterline layout to see if location changes are needed to work with our design. Wrote necessary specifications for the proposed changes to the waterline. Performed hydraulic calculations to size drainage structures and culverts.

05/19 - 12/20	**Wolf Bay Bridge Final Design - Orange Beach, AL** Hydraulic & Hydrologic Design Engineer. Responsible for supporting the design of the bridge's main span and approaches for a project connecting SR-161 across Wolf Bay to CR-95. She reviewed storm surge assessment and creating the bridge and bay model in HEC RAS modeling software to determine the bridge scour. The project will extend approximately 4.8 miles, with the bridge approximately 4,800 linear feet in length and surface streets approximately 3.9 miles long.
05/19 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Hydraulic & Hydrologic Design Engineer. Project included 3.5 miles of new roadway, a multi-use path, the design of two (2) roundabouts and a 140 ft. span bridge crossing Bayou Castine. Providing civil engineering services and drainage calculations for the preparation of line and grade studies,as well as to size the required ditches, culvert crossings, and all driveway and erosion culverts. Completed the drainage calculations and design for two roundabouts. Ran scour analysis on proposed bridge in existing HEC RAS model provided by the owner. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections.
05/22 - Ongoing	**Linwood Avenue Reconstruction Phase IV (H.014411)- Shreveport, LA** Road Design Engineer. Created typical sections to adhere to the City of Shreveport's wishes as well as DOTD standards. Created roadway geometry and baseline. Completed the required submittals in preliminary and currently working towards 60% final plan submittal. Created cost estimate and technical specifications, addressed and responded to all comments from both DOTD and the owner, supplied all required items for each submittal package, and reviewed and advised on the following: quantities, markups, design report, and design waivers and exceptions prepared by intern.
05/19 - Ongoing	**LA 466 / 5th Street Improvements (H.012885) - Gretna, LA** Road Design Engineer/Hydraulic & Hydrologic Design Engineer. Analyzed the existing drainage system including all inputs from other systems, conducted a site visit to field verify unclear information from the survey, designed proposed drainage layout and used HYDR6000 and HYDR6020 to perform necessary calculations. Revised typical sections to fit both Jefferson Parish, Gretna, and DOTD standards. Designing the PGL and cross-sections in Civil3D. Coordinated with the landscape architect. Completed technical specifications, design reports, design waivers and exceptions, and all the required submittals in preliminary and 60% final plans. Held the plan-in-hand meeting and addressed all necessary comments and required items for each submittal package. Created additional action item's cost estimates and met with Owner to discuss available options. Held a utility walk-through with Atmos, Entergy, and AT&T.
11/20 - Ongoing	**25th Street Canal Drainage Improvements Project - Gretna, LA** Hydraulic & Hydrologic Design Engineer. Analyzed the existing drainage system throughout the entire neighborhood to determine where to add equalizer pipes, how and where to reroute the flow towards the proposed pump station in a flooding event, and how to overall improve the drainage system. Began preliminary drainage design and completed a conceptual submittal of our preliminary plans for FEMA to review.

16. Staff Experience:

Firm employed by:	BKI BURK-KLEINPETER, INC.		
Name	**Bailee L. Hurm, EI**	Years of experience with this firm/employer	**5**
Title	*Civil Engineer Intern*	Years of experience with other firm(s)/employer(s)	**0**
Degree(s) / Years / Specialization	Bachelor of Science/2019/Civil and Environmental Engineering		
Active registration number / state / expiration date	EI.34435 / LA / 09-30-2026		
Year registered	2020	Discipline	Engineer Intern

Contract role(s) / brief description of responsibilities
Road and Bridge Design

Ms. Hurm will serve as a member of the Bridge Design Team. She has experience in MicroStation and InRoads, performing geometric, roadway, grading, and drainage design tasks. Ms. Hurm has worked on several projects in which she provides complete construction plan sets including typical sections, plan-profile sheets, geometric details, cross sections, construction sequencing, cost estimates, and specifications. Experienced in DOTD, AASHTO, and FHWA design criteria. Well-versed in the DOTD Minimum Design Guidelines and writing design exception reports as well as performing crash study analysis to accompany the reports. Ms. Hurm completed the Louisiana Traffic Control Supervisor and Technician training courses for the American Traffic Safety Services Association (ATSSA).

Highlights: Bridge Quantities, Geometric Layouts, General Bridge Plan, Foundation Layout, LADOTD Standards and Specifications

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/20 - 07/26 (est) Project in Section 17	♦**Rural Bridges Replacement Initiative Phase I & II - Various Parishes, LA** ***Phase I:*** Road and Bridge Design EI. Provided geometric, roadway, and drainage design elements as part of the construction document development to replace 33 bridges on the State Highway System and local roadways in Districts 03, 07, 61, and 62. **Bridges Included: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997** ***Phase II:*** Road and Bridge Design EI. Provided civil engineering design services for the complete reconstruction of 34 bridges maintained by LADOTD in the State Highway system for Districts 05,08, and 58. Performed preliminary roadway, geometric, grading, and drainage designs utilizing InRoads and MicroStation. Design elements include, but not limited to, horizontal and vertical geometry design applying stopping sight distance criteria, superelevation design, ditch design, and guard rail design. Provided preliminary and final construction drawings including typical sections, plan-profiles, geometric details, detour maps, construction sequencing, and cross sections. Provided cost estimates including quantity calculations and tables. Performed crash study analyses using the Highway Safety Manuel spreadsheet. Provided design reports and design exception reports per DOTD Minimum Design Guidelines. **Bridges Included: H.014242.5, H.014243.5, H.014245.5, H.014246, H.014247.5, H.4248.5, H.014249.5, H.0142450.5, H.014268.5**
10/19 - 12/26 (est) Project in Section 17	**Earhart Blvd. (LA 3139) / Causeway (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA** Road and Bridge Design EI. Aided in roadway and structural design and plan development for the new interchange between Earhart Blvd. Expressway (LA 3139) and Causeway Blvd. (LA 3046) in Jefferson Parish. This project includes a full interchange providing all directions of movement between the two corridors. The interchange fit within a compact footprint with unique geometric challenges. The interchange features seven new ramps which include at-grade roadways and bridge structures.

10/19 - 12/26 (est)	**Mandeville Bypass Project - Mandeville, LA** Road Design EI. Aided in the final plan phase of the project for a new bypass road in St. Tammany Parish and the addition of new roundabout junctions at US 190 and LA 1088, where the new bypass road ties into the existing highways. Provided roadway, geometric, grading, and drainage designs utilizing InRoads and MicroStation. Design elements include, but are not limited to, slab span bridge layout and grading, guard rail design, horizontal and vertical geometry applying roundabout-specific criteria, stopping sight distance, subsurface drainage, and ditch design. Coordinated with team members to produce final construction drawings, including typical sections, plan profiles, geometric details, and cross sections. Worked with team members to provide a complete cost estimate with quantity calculations for the project. In addition, provided a detailed design report per LADOTD Minimum Design Guidelines.
10/19 - 03/21	**Lower Ninth Ward Northwest Group B (FRC) Reynes Street Improvements - New Orleans, LA** Civil EI. Reviewed contractor's project and product submittals. Conducted bi-weekly progress meetings and coordinated with the contractor and the city on pay applications and field/plan changes. Assisted in the resolution of unforeseen utility conflicts.
01/20 - Ongoing	**Plum Orchard Group C RR136 (FRC) and Group D RR137 (FRC) - New Orleans, LA** Civil EI. Completed a full drainage analysis including all necessary calculations, assumptions, and reports. Created roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to complete the preliminary design, including 4 full submittals.
01/20 - Ongoing	**West End Group F (RR198) - New Orleans, LA** Civil EI. Completed a full drainage analysis including all necessary calculations, assumptions, and reports. Created roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to complete the preliminary design, including 4 full submittals.
10/19 - 03/23	**Jefferson Highway Rail Crossing Relocation - Jefferson Parish, LA** Road Design EI. Responsible for the early design stages of a rail crossing relocation study for the two-grade separated alternatives. Utilized Microstation for roadway geometric design and for development of typical sections and plan/profile sheets following LADOTD standards.
12/21 - 06/22	**IHNC Access and Planning Study - New Orleans, LA** Road Design EI. Involved in the early planning/preliminary stages of the Inner Harbor Navigation Canal Crossing Study. Performed a conceptual geometric analysis and design of a new bike facility retrofitted on the existing Seabrook Bridge in New Orleans East. Coordinated with the planning department to produce conceptual drawings and cost estimates that would be utilized in taking the project to its next phase of design.
05/22 - 12/25	**Linwood Avenue Reconstruction Phase IV (H.014411) – Shreveport, LA** Road Design EI. Assisted in the final plan phase of the project for the reconstruction of Linwood Avenue in Caddo Parish. Aided in the production of the final construction drawings and cost estimate.

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés are **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by: SJBGroup

Name	**Matthew Estopinal, PE, PLS**	Years of relevant experience with this employer	**3**
Title	**Principal / CEO**	Years of relevant experience with other employer(s)	**15**

Degree(s) / Years / Specialization	B.S. in Civil Engineering | 2009 | LSU B.S. in Microbiology | 1996 | LSU MPR 4
Active registration number / state / expiration date	PE #0039151 | Louisiana | 3/31/2027 | Year Registered: 2014 | Professional Engineer PLS #0004955 | Louisiana | 3/31/2027| Year Registered: 2006 | Professional Land Surveyor PE #122184 | Tennessee | 1/31/2027 | Year Registered: 2019| Professional Engineer PE #32982 | Mississippi | 12/31/2026 | Year Registered: 2022 | Professional Engineer
Contract role(s) / brief description of responsibilities	**QA/QC** Mr. Estopinal has 17 years of experience as a PLS in Louisiana managing transportation and community development-related projects for private clients, MoveBR, and LA DOTD. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 –10/23	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12** *QA/QC.* SJB Group provided a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Map set of original matte films; drawing files; along with a pdf copy of the Full Title Research Reports with affected parcel number and an ASCII parcel input file descriptions for approximately 125 parcels.
08/20– 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62** QA/QC. SJB Group performed topographic surveying, property surveying, right-of-way mapping, and roadway design of 33 bridge replacements in Districts 03, 07, 61, and 62 as a sub-consultant to Burk-Kleinpeter within their contract with the LA Department of Transportation. The Surveys were provided in accordance with the current Locations and Survey Manual and Addendum A.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** *QA/QC*. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Surveying, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. All surveying was performed to LADOTD Location & Survey Section requirements and delivered in Autodesk format.

03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements** *QA/QC.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
07/21 - 02/22	**LA DOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing (Iberville)** *QA/QC.* This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state-maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.
07/21 – 08/22	**LA DOTD Project No. H.002176.50 – LA 10 Bridges** QA/QC. The LA 10 Bridges project in St. Landry Parish included Property Surveying and Right-of-Way Mapping for three sites. The property survey depicted the affected properties, the existing Right-of-Way for LA Hwy 10, and multiple state-claimed water bodies. The Property Survey was utilized for creating Base Right-of-Way maps, Final Right-of-Way Maps and ASCII parcel input files for acquisition parcels. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.
07/21 – 10/21	**LA DOTD Project No. H.007963 – Blackwater Bayou Bridge** *Project Manager/QA/QC.* This project required replacement of the Bayou River Bridge and a diversion road during construction along LA Hwy 410 in East Baton Rouge Parish near the City/Town of Central. This project involved Property Surveys, Right-of-Way maps, and title take-offs. This project went through design changes which halted project progress temporarily and significantly changed the required right-of-way taking. All surveying was performed to LADOTD Location & Survey Section Addendum A requirements.

(Add rows as needed)

Firm employed by: SJBGroup

Name	**Charles "Tim" Brewer, PLS, PS, RPLS, LS, PS, RF**	Years of relevant experience with this employer	**3**
Title	**Vice President of Surveying**	Years of relevant experience with other employer(s)	**28**

Degree(s) / Years / Specialization	Bachelor of Science in Forestry Management / 1988 / Mississippi State University
Active registration number / state / expiration date MPR 4	PLS.0005009 | Louisiana | 9/30/2025 | Registered 2009 | Professional Land Surveyor PLS.35341-S | Alabama | 12/31/2025 | Registered 2015 | Professional Land Surveyor RPLS.6142 | Texas | 12/31/2025 | Registered 2010 | Reg. Professional Land Surveyor PS.1683 | Arkansas | 6/30/2025 | Registered 2009 | Professional Surveyor LS.2726 | Tennessee | 12/31/2025 | Registered 2008 | Land Surveyor 80756RPP | Oregon | 12/31/2025 | Registered 2008 | Reg. Professional Photogrammetrist PS.2766 | Mississippi | 12/31/2025 | Registered 1999 | Professional Land Surveyor RF.1286 | Mississippi | 12/31/2025 | Registered 1988 | Registered Forester
Contract role(s) / brief description of responsibilities	**Project Manager** | **(Meets MPR #4)** Mr. Brewer, has over 30 years of survey experience and over 15 years of experience managing a wide variety of surveying projects for USACE, MDOT, LADOTD, MovEBR, MoveAscension, and private clients. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/23 – 12/24	**LA DOTD Project No. H005121.5 LA 1 – LA 415 Connector** *Project Manager.* The project provides field data for the design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA 1. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDaR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.

04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** *Surveyor of Record/Project Manager.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements. The deliverables were provided in Autodesk format.
08/22 – 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03, 07, 61, 62** *Project Manager.* Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements** *Project Manager.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
06/22 - Ongoing	**LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12** *Project Manager.* SJB Group performed the property surveying along a 4.4-mile stretch of Interstate 10 from St. Joseph St. to College Dr. in East Baton Rouge Parish, Louisiana for the Louisiana Department of Transportation and Development's widening project. This project required extensive title research to acquire the necessary existing surveys and deeds. It also required field surveying and mapping of more than one hundred twenty-five parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage servitudes, a railroad right-of-way, and numerous side streets in the heart of Baton Rouge.

Firm employed by: SJBGroup

Name	**Colby Mire, PLS**	Years of relevant experience with this employer	**9**
Title	**Assistant Survey Department Manager**	Years of relevant experience with other employer(s)	**0**

Degree(s) / Years / Specialization			B.S. in Construction Engineering Technology | 2015 | Southeastern Louisiana University
Active registration number / state / expiration date			PLS #0005308 | Louisiana | 9/30/2025
Year registered	2023	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities			**Surveyor |** Mr. Mire has more than 9 years of experience in land surveying. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping projects for LA DOTD, MDOT, MoveBR, MoveAscension, and private clients.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 – Ongoing	**LA DOTD Project No. H.004100 – I-10: LA 415 to Essen** *Assistant Project Manager* | This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, which included parcel data for approximately 125 parcels. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for RTK. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
08/20-04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03,07, 61,62** *Assistant Project Manager* |Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** *Assistant Project Manager* | Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. A Leica TS16 Robotic Total Station, a Leica GS18 T GNSS RTK Rover, and a GeoSLAM ZEB Horizon 3D were used. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.

07/21 – 02/22	**LA DOTD Project No. H.012851 – Union Pacific Railroad Corridor (Plaquemine)** *Assistant Project Manager/Senior Technician* | This project included a Topographic Survey and Quality Level "D" and Quality Level "B" Subsurface Utility Engineering for this project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were both used, the GS18 being used for both RTK and as a static base station. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements** *Assistant Project Manager.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.
03/21 – 05/21	**City Parish No. 20-CP-HC-0046 – MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement** *Project Manager/Senior Technician.* Sub to Meyer Engineers. This project involved a Corridor Survey, Topographic Surveys, Property Surveys, Right-of-Way Mapping, Subsurface Utility Engineering, and the development of a map of existing drainage throughout the survey limits at the intersection of Jefferson Highway and Bluebonnet Boulevard. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for both RTK and as a static base station. InRoads Suite MicroStation was utilized for the data processing and creation of all deliverables.

Firm employed by: SJBGroup

Name	**Phillip Dowden**	Years of relevant experience with this employer	**3**
Title	Mobile LiDAR Lead & Field Crew Manager	Years of relevant experience with other employer(s)	**26**

Degree(s) / Years / Specialization			Construction Management | 1985 | LSU
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			**Mobile LiDAR Lead and Field Crew Manager** | Mr. Dowden has more than twenty-seven years of experience in the survey field. He is knowledgeable in a variety of software including Trimble Business Center, POSPac MMS, TopoDOT, OpenRoads Designer, LadybugCapPro, IrfanView 64, and Quick Terrain Modeler. He is also thoroughly knowledgeable in a variety of equipment, such as the Trimble MX50 and tertiary equipment such as DMI, Ladybug, and Leica Base Positioning, Faro S350, Geoslam, and compact microdrones with Teledyne LiDAR, amongst others. His responsibilities include processing field data, project management, and occasionally conducting field work.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
11/23 – Ongoing	**LA DOTD Project No. H.15487.5 – New Orleans Pedestrian Improvements** *Mobile LiDAR Lead.* This project included a Topographic Survey of fifty-five intersections in the downtown area of New Orleans, Louisiana. The purpose of the project was to upgrade and construct pedestrian sidewalk crossings to ADA standards. The field data was collected via Mobile LiDAR Scanning utilizing a Trimble MX -50 and supplemented with conventional survey methods. The project included utility mapping of each intersection by records research. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways. The control for the project was established in accordance with the Louisiana Department of Transportation and Development Location and Survey Manual. The point cloud data was processed through Trimble Business Center and extracted with Topo Dot. The deliverables included topographic base maps, plan-profile sheets, coordinate files, and a control sketch.
10/23 –12/24	**LA DOTD Project No. 005121 LA 1 – LA 415 Connector** *Mobile LiDAR Lead*. The project provides field data for design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDAR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.

03/23 - Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen** Survey Technician for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
08/22 – 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03,07, 61,62** Survey Technician for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/23 – 09/23	**LA DOTD H.017322.5 - Morgan City Sidewalks and Shared Use Path** Mobile LiDAR Lead for a topographic survey, right-of-way survey and SUE of 2 linear miles of roadway in Morgan City, LA for ADA compliant sidewalk design. The project included a detailed topographic survey of data collected with robotic total station global positioning systems, and mobile LiDAR scanning.
03/22 – 08/23	**LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements** *Mobile LiDAR Lead.* This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. LiDAR Data was gathered using a Velodyne Mobile Scanner and Ladybug. Terrestrial Surveying was performed using a Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover. Data was processed using OpenRoads Designer TopoDOT and InSuite MicroStation. All surveying was performed to LADOTD Location & Survey Section requirements.

Firm employed by: SJBGroup

Name	**John Burleigh**	Years of relevant experience with this employer	**2**
Title	**Survey Technician**	Years of relevant experience with other employer(s)	**2**

Degree(s) / Years / Specialization			B.S. in Geography | 2021 | LSU
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			**Survey Technician** | Mr. Burleigh has over a year and a half of experience as a Survey CAD Technician and Instrument Man. He has experience performing Boundary, Construction Stakeout, As-Built, ALTA, Topographic, Hydrographic, and Right-of-Way Surveying using both conventional and GPS instruments. He is also knowledgeable in AutoCAD Civil 3D and Bentley MicroStation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/22 – 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03,07, 61,62** *Survey Technician* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/23 – 09/23	**LA DOTD: H.017322.5 - Morgan City Sidewalks and Shared Use Path** *CADD Technician / Instrument Man* for a topographic survey, right-of-way survey and SUE of 2 linear miles of roadway in Morgan City, LA for an ADA compliant sidewalk design. The project included a detailed topographic survey of data collected with robotic total station global positioning systems, and mobile LiDAR scanning.
06/23 – 08/24	**Belle of Baton Rouge Renovations** *Survey Technician.* Sub to NORR. This project involved a Property Survey, Topographic Survey and a Right-of-Way Survey for renovations to the Belle of Baton Rouge. The survey was performed for traffic signal design engineering along St. James Street at Government Street and France Street. The project required right-of-way determination of right-of-way of the subject streets and a topographic survey of the surrounding area that included the collection of data of surface and sub-surface utility facilities.
04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038: Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements** CADD Technician for boundary surveying, right-of-way mapping, topographic surveying, title review, and subsurface utility engineering for 25 miles of proposed channel improvements.

Firm employed by: SJBGroup			
Name	**Erick Kidder**	Years of relevant experience with this employer	**2**
Title	**Party Chief**	Years of relevant experience with other employer(s)	**11**

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			**Party Chief**, Mr. Kidder has 12 years as a Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and Viva GS16 GNSS rover.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
10/23 – 12/24	**LA DOTD Project No. 005121 LA 1 – LA 415 Connector** *Party Chief.* The project provides field data for design of a roadway to connect LA 415 to LA 1. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits include a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDaR methods are utilized for the collection of data along the high traffic segments of LA 1 and processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.
11/23 – Ongoing	**LA DOTD Project No. H.15487.5 – New Orleans Pedestrian Improvements** *Party Chief.* This project included a Topographic Survey of fifty-five intersections in the downtown area of New Orleans, Louisiana. The purpose of the project was to upgrade and construct pedestrian sidewalk crossings to ADA standards. The field data was collected via Mobile LiDaR Scanning utilizing a Trimble MX -50 and supplemented with conventional survey methods. The project included utility mapping of each intersection by records research. Additionally, the project included the determination of the existing right-of-way for the specific streets and LA DOTD roadways. The control for the project was established in accordance with the Louisiana Department of Transportation and Development Location and Survey Manual. The point cloud data was processed through Trimble Business Center and extracted with TopoDot. The deliverables included topographic base maps, plan-profile sheets, coordinate files, and a control sketch.

04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038 – EBRP Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements** *Party Chief.* This project included Topographic Survey, Right-of-Way Mapping, Boundary Survey, Title Review, and Subsurface Utility Engineering for approximately 25 miles of proposed channel improvements. SUE investigations were performed at all bridge crossings along the channel to locate the majority of utilities crossing the channel. Known utility crossings discovered during records research that intersect the channel were also investigated to achieve Quality Level “B”. Using this information a comprehensive map depicting horizontal locations of existing utilities crossing the channel was created to aid in the design of future channel improvements. A Leica TS16 Robotic Total Station and a Leica SmartNet HxGN RTN were used. Data was processed using InRoads MicroStation. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment.
03/23 - Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA** Party Chief for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
03/22 – 09/22	**LA DOTD Project No. H.009300.5 - Hooper Road Widening (LA 3034 - LA 37)** Party Chief for a topographic survey for LA DOTD on the Hooper Road widening project. This project included the segment of Hooper Road from LA 2024 to Greenwell Springs Road (LA 37). The project was provided in DOTD MicroStation electronic submittal format.

Firm employed by: SJBGroup			
Name	**Duke Koontz**	Years of relevant experience with this employer	**4**
Title	**Party Chief**	Years of relevant experience with other employer(s)	**34**

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			**Party Chief.** Mr. Koontz has over 35 years of experience as a Survey Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and the Viva GS16 GNSS rove

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 – Ongoing	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA** Party chief for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
08/20 – 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03,07, 61,62** Project manager for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
04/24 – 05/24	**LA DOTD Project No. H.012001 – LA 339 Canal and Creek Bridges** *Party Chief.* This project in Vermilion Parish included Property Surveying and Right-of-Way Mapping for 3 sites along LA 339. SJB Group determined the existing right-of-way for LA 339 and multiple intersecting roadways. This information as well as the proposed right-of-way were utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input file descriptions for acquisition parcels that included multiple diversions roadways. All surveying was performed to LADOTD Location & Survey Section requirements.
07/22 – 12/22	**LA DOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing (Iberville)** *Party Chief.* This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state-maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section requirements.

04/23 – 09/23	**LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish** *Party Chief.* Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
04/23 – Ongoing	**City-Parish Project No. 21-DR-US-0038 – EBRP Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements** *Party Chief.* This project included Boundary Surveying, Right-of-Way Mapping, Topographic Surveying, Title Review, and Subsurface Utility Engineering for approximately 25 miles of proposed channel improvements. The project is being performed according to the LADOTD Location and Survey Manual. Property surveys were performed for parcels along the corridor of each waterway for the creation of a property map with coordinates of all recovered monuments to be provided in ASCII format. Base Right-of-Way Maps, Final Right-of-Way Maps, along with a parcel input file for the creation of acquisition parcel descriptions. Additionally, detailed Topographic Surveys are performed at all bridge crossings along the channels, including existing utility locations.

Firm employed by: SJBGroup			
Name	**C. Paul Young**	Years of relevant experience with this employer	**4**
Title	**Party Chief**	Years of relevant experience with other employer(s)	**34**

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			**Party Chief.** Mr. Young has 35 years of experience as a Survey Party Chief. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping using both conventional and GPS instruments. He is knowledgeable with several Leica Geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and the Viva GS16 GNSS rover.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/20 – 04/24	♦**LA DOTD 44-17597 - Rural Bridge Replacement Initiative, Districts 03,07, 61,62** *Party Chief* for a topographic survey, property survey, right-of-way mapping, and roadway design for bridge replacements in Districts 03, 07, 61, and 62. The project deliverables included both electronic MicroStation files, along with matte prints.
07/21 –10/23	**LA DOTD Project No. H.004100 - I-10: LA 415 to Essen, Baton Rouge, LA** *Party Chief* for the project which included a property survey and extensive right-of-way mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility.
06/22 – 04/23	**Waters at Millerville, Baton Rouge, LA** *Party Chief* for professional land surveying services related to the construction stakeout of the proposed improvements at The Waters at Millerville apartment complex in Baton Rouge. This includes ALTA/ NSPS Land Title Survey for transfer of title and extensive construction stakeout, elevation certificates, & sewer as-built drawings.
03/22 – 09/22	**LA DOTD Project No. H.009300.5 - Hooper Road Widening (LA 3034 - LA 37)** Party Chief for a topographic survey for LA DOTD on the Hooper Road widening project. This project included the segment of Hooper Road from LA 2024 to Greenwell Springs Road (LA 37). The project was provided in DOTD MicroStation electronic submittal format.

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés are **limited to 2 pages per person**. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by	**ELOS Environmental, LLC**				
Name	**Lucas Watkins**		Years of relevant experience with this employer	**18**	
Title	**Principal/Environmental Scientist**		Years of relevant experience with other employer(s)	**4**	
Degree(s) / Years / Specialization			MS / 2005 / Biological Sciences BS / 2000 / Forest Management MPR 5		
Active registration number / state / expiration date			Principal, Project Oversight, NEPA Clearance, Agency Coordination, Stakeholder Outreach, and Public Meetings		
Year registered	**N/A**	Discipline	**N/A**		
Contract role(s) / brief description of responsibilities			Principal, Project Oversight, NEPA Clearance, Agency Coordination, Stakeholder Outreach, and Public Meetings		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 - Ongoing	♦**LADOTD Rural Bridges, Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental services for the LADOTD Rural Bridge Replacement Initiative projects in six districts across the state. Mr. Watkins ensures that all phases of the project adhere to federal and state environmental regulations. He facilitates effective communication among DOTD officials, environmental organizations, and other stakeholders to address concerns and maintain transparency throughout the project.
09/22 - Ongoing	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Watkins has reviewed the findings reports prior to client submission.
10/23 - Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** ELOS is contracted to prepare and submit permit applications to the U.S. Army Corps of Engineers (USACE) to include completing permit application packet, documenting the rationale for the project, providing the summary of project and detailed verbal description of the project location. ELOS is also responsible for generating one site plan for each project and coordinating with USACE for a permit under Section 10/404 of the Clean Water Act. Mr. Watkins the permit application throughout the entire process to ensure success of the permit process.
08/22 - 08/24	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Mr. Watkins directed the comprehensive assessment of potential environmental impacts related to transportation infrastructure projects. He ensured the accuracy, completeness, and integrity of environmental reports and documentation submitted to regulatory agencies for review and approval.
02/22 - Ongoing	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the

	St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Watkins ensures that all phases of each step of the project complies with all state and federal regulations.
03/24 - Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to collect data and prepare a report to support a Wetland Delineation and manage the permit process with the USACE. ELOS will facilitate compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 by completing a Section 106 Desktop Review. ELOS will conduct a biological survey to determine potential effects on species protected under the Endangered Species Act (ESA), Migratory Bird Treaty Act (MBTA), Bald and Golden Eagle Protection Act (BGEPA) and all other applicable law and regulations. Mr. Watkins has overseen every step of the process ensuring compliance with all regulations and transparency between all stakeholders in the project.
04/22 - Ongoing	**Yellow Water Road Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to prepare a Early Section 106 Tribal coordination packet and submit it to the DOTD Project Manager (ELOS will not directly communicate with the tribal governments). ELOS will conduct biological assessment and a review of previous Historic Reviews. Mr. Watkins will review the finding of all reviews and the permit packet prior to submission.
12/22 - Ongoing	**Wildwood Dr. Bridge; Livingston Parish, LA:** ELOS was contracted to perform a Wetlands Delineation Assessment, a Biological Assessment, and a Cultural Resource Survey. Mr. Watkins directed the assessments and ensured the accuracy of the Cultural Resource Survey. He supervised the submission of all pertinent documentation to the appropriate agencies.
11/17 - Ongoing	**Move Ascension, Phases I, II, & III; Ascension Parish, LA:** ELOS is contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Watkins has reviewed delineation details, edited cultural resource reports, developed and analyzed alternatives, reviewed scheduled, assisted with wetland mitigation, and reviewed permit applications.
08/22 - Ongoing	**H.014362 Lake Road; St. Tammany Parish, LA:** ELOS was contracted to complete the solicitation of views and categorical exclusion notices, conduct a wetland delineation, and submit a joint permit application, scenic rivers permit application, and USCG bridge permit application for the project. Mr. Watkins reviewed the categorical exclusion packet and assisted with agency coordination and requests for more information.
02/23 - Ongoing	**DOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Watkins monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with project schedules. He also reviewed the SOVs and supporting documentation prior to initiating the process with agencies.
08/22 - Ongoing	**MoveBR Mickens Road; East Baton Rouge Parish, LA:** ELOS is contracted to provide environmental services for a 2.8-mile-long roadway improvements project on Mickens Road from Hooper Road to Joor Road in East Baton Rouge. Services included a wetland delineation, a Phase I ESA, and a permit application to USACE. Mr. Watkins has reviewed the wetland delineation report, coordinated staff for the Phase I ESA tasks, reviewed final reports, and consulted with the Parish leadership.

(Add rows as needed)

Firm employed by: **ELOS Environmental, LLC**				
Name	**Brian Fortson**		Years of relevant experience with this employer	**13**
Title	**Senior Project Manager/Biologist**		Years of relevant experience with other employer(s)	**23**
Degree(s) / Years / Specialization			JD/2006/Civil Law BS/1995/Wetland Ecology MPR 5	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Project Management, NEPA Clearance, Feasibility Analysis, and Agency Coordination	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 - Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** Mr. Fortson has coordinated with the environmental scientists to review the wetland delineation reports and assist with USACE permit applications for 13 bridge replacements.
09/20 - Ongoing	♦**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a T&E survey. Mr. Fortson has reviewed wetland delineation reports and categorial exclusion documentation, discussed findings and reviewed data for final reports, and met with staff internally to develop threatened and endangered species surveys.
09/22 - Ongoing	**DOTD IIJA Off-System Bridges District 62:** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Fortson has reviewed the findings reports prior to client submission.
10/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.
05/21 – 05/22	**STP Chris Kennedy RD Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide professional environmental engineering services to collect data to further prepare reports for wetland delineation, biological assessment and cultural impact in accordance with the removal and replacement plans. Mr. Fortson coordinated with internal teams to review reports, correlative maps, and environmental data to complete the approved contract.
03/22 – 12/23	**STP Lock No. 2 Bridge Replacement; ST. Tammany Parish, LA:** Mr. Fortson assisted with internal teams to provide Cultural resource services for the Lock No. 2 Bridge replacement located on approximately 4.83-acres in St. Tammany Parish. ELOS was contracted to provide Section 106 of NHPA, Terrestrial Phase I Culture Resource Survey and Cultural Resource Assessment No Findings report.
11/17 - Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from

	roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Fortson leads multi-disciplinary teams of environmental specialists, engineers, and consultants to achieve project objectives efficiently and effectively through the complexities of environmental compliance, ensuring that infrastructure development meets regulatory standards while minimizing environmental impacts and maximizing community benefits.
02/23 - Ongoing	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Mr. Fortson monitors the project timelines, milestones, and budgets to ensure timely delivery of environmental assessments that align with overall project schedules.
01/21 - Ongoing	**LA 22 Gapping; Ascension Parish, LA:** ELOS is contracted to perform a wetland delineation, complete a joint permit application, complete a biological survey, monitor for bald and golden eagle protection, complete a Phase I ESA, complete a Section 106 review and report, and assist with wetland mitigation planning. Mr. Fortson has served as the project manager to assist in determining the potential jurisdictional wetlands and other waters, preparing and submitting permit applications, and reviewing the desktop Section 106 review. He will also oversee the Phase I ESA and wetland mitigation planning.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre site to extend Judge Dufresne Parkway to include several adjacent, privately owned parcels. Mr. Fortson oversaw the environmental consulting project for the parkway extension, ensuring that environmental considerations were integrated into all project phases, regulatory requirements were met, and the project was completed successfully while minimizing environmental impacts. He implemented quality assurance and control measures to ensure that deliverables meet established standards and client expectations.
08/17 - 11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. Mr. Fortson provided senior-level environmental project management for the project, overseeing complex environmental aspects of transportation infrastructure initiatives. He assisted in the development of a comprehensive environmental management strategy, wrote and assisted with amending the SWPPP as the project progressed, and assisted in preparing and reviewing the permit applications.
01/15 - 01/16	**US 51 (LA 22 To Club Deluxe Road) – Environmental Services; Tangipahoa Parish, LA:** ELOS was contracted to complete a biological survey and report, a Phase I ESA, and a draft environmental assessment, in addition to analyzing natural resource impacts and assisting with public outreach for this roadway improvement project. Mr. Fortson supervised and participated in field investigations to support wetlands delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among regulatory agencies, landowners, and public stakeholders.
07/20 – 08/21	**Trace Connection to Heritage Park Stage 0 Checklist; St. Tammany Parish, LA:** ELOS was contracted to provide a Louisiana DOTD Stage 0 Environmental Checklist for the Trace Connection to Heritage Park project. The project determined the feasibility of two proposed alternatives for the extension of the Tammany Trace from U.S. Highway 190 West/Gause Blvd near Cherry Street eastward for approximately 2.7 miles with a 100-ft wide corridor. Mr. Fortson served as the project manager overseeing all fieldwork and coordinating between clients and government agencies.

Firm employed by	**ELOS Environmental, LLC**			
Name	**Christopher Wilson**	Years of relevant experience with this employer	1	
Title	**Archaeologist**	Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization		MA/2023/Art History and Curatorial Studies MA/2022/Archaeology BA/2021/Art and Archaeology	MPR 5	
Active registration number / state / expiration date		Registered Professional Archaeologist		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Section 106 Desktop Reviews, Terrestrial and Maritime Archaeology, Phase I, II, and III Cultural Resource Surveys, Evaluations, and Recoveries, Construction Monitoring		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/24 - 09/24	**Juban North Extension:** Mr. Wilson provided a Section 190n desktop review for Livingston Parish Juban Road Extension. He researched and reviewed historical maps, aerial photographs, and the online database of archaeological and historic sites maintained by SHPO. He found that there had been 11 cultural resource investigations within 1-mile of the project area. He also reviewed historical topographical maps and aerials. Mr. Wilson found that because the site had not been heavily altered through construction previously a historic structure survey was recommended.
06/24 - 10/24	**Move Ascension, Phase III:** Mr. Wilson was responsible for conducting a Section 106 Desktop Review of the Roddy Road area as part of the third phase of Move Ascension project. This review included identifying potential historic structures by using SHPO databases and files. He also reviewed historic aerial images for structures in the area. He was able to identify from the multiple sources that there were historical structures. He compiled his findings and met with GIS to report them.
10/24-10/24	**Livingston Parish Old Mill Settlement Road:** Mr. Wilson was responsible for performing a Section 106 desktop review in support of Livingston Parish Government for their proposed road project. His responsibilities included but were not limited to working with all applicable state agencies and adhering to the regulations of 36 CFR Part 800. He verified that the site had experienced some disturbances due to road construction and that there was a high probability of possible Cultural resources due to the proximity of the Amite River and the previously recorded archaeological sites.
03/24 - 04/24	**5th Street Improvements (H.012885); Jefferson Parish, LA:** Mr. Wilson performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding no significant cultural resources would be impacted.
11/23 - 11/23	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** For the DOTD Off-System Bridge Prioritization Project, Mr. Wilson provided a review of the project site to assess the potential effects of bridge replacements on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
11/23 - 11/23	**N. Brickyard Road Bridge Replacement; Tangipahoa Parish, LA:** Mr. Wilson reviewed the project site to assess with the potential effects of the bridge replacement on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.

07/24 - 08/24	**St. Tammany Parish US 190 Roundabouts; St Tammany Parish, LA:** Mr. Wilson was responsible for CRM services for the construction of three roundabouts along Highway 190 in St. Tammany in support of Section 106 compliance. His responsibilities included SHPO files to include all previously recorded cultural resource surveys, archaeological sites, and historic structures within a 1-mile radius. He also compiles reviews and reports to summarize findings and addresses any potential impacts on cultural resources, including cemetery reviews.
03/24 - 04/24	**5th Street Improvements (H.012885); Jefferson Parish, LA:** Mr. Wilson performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding no significant cultural resources would be impacted.
10/23 - 02/24	**Tangipahoa USDOT BIP Services 2023; Tangipahoa Parish, LA:** Mr. Wilson performed a Cultural Resource Review of previous investigations. These investigations included surveys, cemeteries, and listings of historic structures. He coordinated with the project manager and SHPO while conducting and documenting the review.

Firm employed by **ELOS Environmental, LLC**				
Name	**Mike Hill**		Years of relevant experience with this employer	**2**
Title	**Environmental Scientist**		Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization			BS/2019/Environmental Science	
Active registration number / state / expiration date			DOTD FFA certified UAV(Drone) pilot. Certification No: 4566332	
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities			Wetland Studies, Environmental Data Collection & Surveys, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/22 - Ongoing	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Hill prepared the solicitation of views packet and worked on the permit applications.
04/22 - Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62 for the DOTD Off-System Bridge Prioritization project. Mr. Hill coordinated with USACE and prepared the solicitation of views packet.
11/21 - Ongoing	♦**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mr. Hill has coordinated field crews to gather data from field including plot photos and worked on the permit submittal.
04/22 - Ongoing	**N. Brickyard Rd. Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to provide professional environmental consulting services for the replacement of North Brickyard Road Bridge. The project includes a categorical exclusion written in accordance with Federal Highway Administration (FHWA) guidance. A wetland study and delineation are also required. Mr. Hill performed the delineation in the field and also prepared the solicitation of views packets for the permit application.
02/22 - Ongoing	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Hill performed the wetland delineation and also constructed the wetland report for the joint permit application.
04/22 - 08/23	**Lod Stafford Rd Bridge Replacement; Livingston Parish, LA:** ELOS has been contracted to provide professional environmental services that include aiding the client in the submittal of the FEMA 8-Step Process, Solicitation of Views (SOV) process, perform a

	wetland delineation, and submit a permit application to the United States Army Corps of Engineers (USACE) for a 0.25-acre tract of land to authorize the proposed activities for the Lod Stafford Road Bridge Replacement project located in Livingston Parish, LA. Mr. Hill performed the delineation and input data into the ArcGIS system to complete the wetland report.
11/21 – Ongoing	**Move Ascension - Phases II & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Hill has worked on the wetland delineation and completed the report to be submitted for the permit to USACE.

Firm employed by: **ELOS Environmental, LLC**				
Name	**Cory Ricks**		Years of relevant experience with this employer	**8**
Title	**Environmental Specialist**		Years of relevant experience with other employer(s)	**1**
Degree(s) / Years / Specialization			BS/2015/Biology MPR 5	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Environmental Data Collection & Surveys, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 - Ongoing	♦**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (LADOTD) Rural Bridge Replacement Initiative for two project phases. Phase 1 involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a threatened and endangered species survey. Mr. Ricks has coordinated field crews, performed wetland delineations, written and produced reports, developed timelines, coordinated with LADOTD, and assisted with the surveys.
06/22 - 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Ricks worked on the emergency authorization application since the bridge was the only way to access a neighborhood, assisted with the Scenic Rivers permit application, and provided project updates to St. Tammany Parish.
04/22 - 02/24	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Ricks conducted a gopher turtle survey, wrote the findings report, completed permit applications with supporting documentation, and assisted with agency coordination.
11/17 - Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Ricks leads a team of field members to perform the wetland delineations. He has also assisted with cultural resources field investigations and with permit applications to state and federal agencies (USACE, LEDNR, DOTD).

05/21 - 05/21	**Tammany Trace Bridge Replacement; St. Tammany Parish, LA:** Mr. Ricks performed the wetland delineation, entered the wetforms, revised transmittals, reviewed the photographs/logs, coordinated with the GIS team to update maps, and submitted the wetland findings report.
05/22 - 03/24	**North Brickyard Road Bridge Replacement Program; Tangipahoa Parish, LA:** Mr. Ricks initiated the Solicitation of Views (SVs), Categorical Exclusion (CE) documents, and reviewed all supporting documentation as it was sent and received from the agencies. He also assisted with permit applications and agency coordination when asked for additional information.
02/23 - Ongoing	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Ricks has researched additional information for reports, worked on files related to the CATEX, and assisted with reviewing agency requests for more information.
07/21 - 08/22	**LA Trace Road Widening; Ascension Parish, LA:** ELOS was contracted to complete a wetland delineation report and prepare and submit road widening and culvert replacement joint application permits to the USACE and LDENR. Mr. Ricks worked with the team on the wetland delineation and reviewed the final figures and reports, prepared the joint application permits, met with the landowner for right-of-way, provided follow-up information and permit revisions to USACE and LDENR, and reviewed project invoicing.
09/16 - 06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA:** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Ricks performed the wetland delineation for all three routes and provided a report of the findings. Mr. Ricks also assisted in GIS mapping of the Wetlands Findings Report, Phase I Environmental Site Assessment, and the Biological Assessment Survey. Mr. Ricks also provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report.
08/17 - 11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville (H.009250). The project included widening an approximately 6-mile segment of I-10 and expanding two bridges/overpasses. Mr. Ricks worked on documentation for the CATEX, wrote and revised several permits to state and federal agencies, and coordinated field crews for completing stormwater inspections and monitoring construction activities for environmental impacts and compliance.

Firm employed by: **ELOS Environmental, LLC**				
Name	**Basile Dardar**		Years of relevant experience with this employer	**8**
Title	**Environmental Specialist / Project Manager**		Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization			BS/2014/Biology MPR 5	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Wetland Studies, Environmental Data Collection & Surveys, Endangered Species Survey including tri-colored bat, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/23 - Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA:** Mr. Dardar has coordinated with the field team to conduct wetland delineations, complete wetland findings reports, work with the USACE for jurisdictional determinations of wetlands, and assist with USACE permit applications and supporting documentation for 13 bridge replacements.
09/22 - Ongoing	**DOTD IIJA Off-System Bridges District 62;** ELOS is contracted to provide comprehensive services to replace bridges throughout various parishes located in Southeast Louisiana in several phases until completion. Mr. Dardar has coordinated with field teams to assess cultural and environmental impacts. Through ongoing efforts, Mr. Dardar has maintained the required data and documentation and reviewed deliverables and reports applicable to SOVs, wetland delineations, and categorical exclusion of the construction activities. He has assisted with preparing applicable permits, maps, forms, and supplemental documentation.
04/22 – Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Dardar has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CE documentation.
06/22 – 09/23	**LADOTD Rousseau Bridge Replacement; St. Tammany Parish, LA:** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Dardar has conducted a wetland delineation, submitted reports to USACE, coordinated with the field team regarding SOVs and information needed, and reviewed permit drawings.
11/21 – Ongoing	♦**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mr. Dardar has coordinated field crews, performed wetland delineations, collected and inputted data, written and produced reports, developed timelines, coordinated with LADOTD, worked on permit applications with state and federal agencies, and assisted with the surveys.

11/21 – Ongoing	**Move Ascension - Phases II & III; Ascension Parish, LA:** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Mr. Dardar has worked on the wetland findings report for the USACE jurisdictional determination of wetlands, reviewed delineation photographs and maps, and reviewed corresponding figures and data for the permit applications.
01/22 – 09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA:** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre tract of land referred to as Judge Dufresne Parkway Extension located in St. Charles Parish, Louisiana. Mr. Dardar performed the wetland delineation, completed the Phase I ESA and its report, and assisted with the USACE permit application and follow-up.
06/24 – Ongoing	**US 190 Roundabouts (H.014375); St. Tammany Parish, LA:** ELOS has been contracted to perform a wetland delineation, prepare and submit joint permit applications, complete Section 106 reviews, and conduct threatened and endangered species surveys for a 28-acre area for the installation of roundabouts on US 190. Mr. Dardar has assisted with writing and reviewing the threatened and endangered species report.
02/23 – Ongoing	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Mr. Dardar has worked on the SOVs, reviewed the CATEX sections and documentation, written permit applications, and coordinated with LADOTD.
04/22 – Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Dardar has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CE documentation.

Sections 17

Claycut Road Bridge
East Baton Rouge Parish, District 61
Design Engineer: BKI
EOR: René A. Chopin, III, PE

17. Firm Experience:

Firm Name	**Burk-Kleinpeter, Inc.**	**Discipline(s)***	**bridge / road**
Project Name	**Rural Bridge Replacement Initiative Phase I**	**Firm responsibility (prime or sub?)**	**Prime**
Project number	See Below	**Owner's Name**	**Louisiana DOTD**
Project location	*Various Parishes, LA*	**Owner's Project Manager**	Brian Allen
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1840, brian.allen@la.gov		
Services commenced by this firm (mm/yy)	07/20	**Total consultant contract cost ($1,000's)**	Phase I: $3,600
Services completed by this firm (mm/yy)	07/26 (est)	**Cost of consultant services provided by this firm ($1,000's)**	Phase I: $1,200

Firm Role: BKI was selected as the Prime Consultant by the Louisiana Department of Transportation & Development (LADOTD) and is responsible for **environmental oversight, preliminary and final plans, road design, bridge design, and hydraulics design** for the Rural Bridge Replacement Initiative.

Project Description: Rural Bridge Replacement Initiative Phase I, which together consist of the replacement of **33 bridges across 16 State Projects** on the State Highway System and off-system roadways in Districts 03, 07, 61, and 62. **Environmental** tasks included **NEPA compliance, wetland findings reports, Coastal Use Permits, cultural resources, and Section 10/404 permits**, as necessary. The design required **topographical surveys, real estate property surveys, and right-of-way maps**. BKI performed road and bridge design, as well as hydraulic design using HEC-RAS, including scour analysis for both preliminary and final construction plan sets. This work involved the replacement of substandard bridges and associated roadway approaches in identified locations. The work included the removal of existing bridge decks, timber structures, pilings, and guardrails, followed by the construction of **new concrete bridges**, the driving of new concrete pilings, the installation of new guardrails, the replacement of the roadway, the installation of **precast reinforced concrete box culverts** (where applicable), and the widening of the roadway embankment and guard rail improvements. BKI provided unique bridge designs for cast-in-place slab span bridges and one **LG girder bridge**. **As-designed bridge load ratings** per LRFR are included.

This initiative includes State Project Numbers:

Phase I: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997

PROJECT RELEVANCE:

- Compressed Schedule
- Road and Bridge Design
- Hydraulic and Hydrologic Design
- Preliminary & Final Plans
- Environmental Permitting

H.013997 Completed Bridge

H.013956 Pile Layout

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III. PE • Andrew R. Jensen, PE • Rebecca J. Chopin • David E. Boyd, PE • Renee Poole, PE • Bailee L. Hurm, EI • Fares Tannous, Ph.D., PE

17. Firm Experience:

Firm Name	**Burk-Kleinpeter, Inc.**	**Discipline(s)***	**bridge / road**
Project Name	**Rural Bridge Replacement Initiative Phase II**	**Firm responsibility (prime or sub?)**	**Prime**
Project number	See Below	**Owner's Name**	**Louisiana DOTD**
Project location	*Various Parishes, LA*	**Owner's Project Manager**	Brian Allen
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1840, brian.allen@la.gov		
Services commenced by this firm (mm/yy)	07/20	**Total consultant contract cost ($1,000's)**	Phase II: $4,800
Services completed by this firm (mm/yy)	07/26 (est)	**Cost of consultant services provided by this firm ($1,000's)**	Phase II: $1,600

Firm Role: BKI was selected as the Prime Consultant by the Louisiana Department of Transportation & Development (LADOTD) and is responsible for **environmental oversight, preliminary and final plans, road design, bridge design, and hydraulics design** for the Rural Bridge Replacement Initiative.

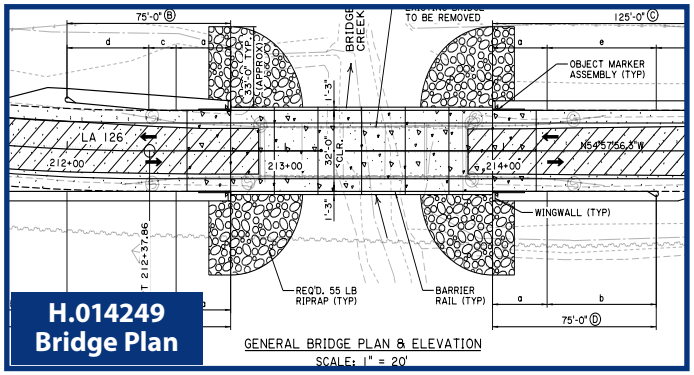
Project Description: Rural Bridge Replacement Initiative Phase II, which together consist of the replacement of **34 bridges across 9 State Projects** on the State Highway System and off-system roadways in Districts 05, 08, and 58. **Environmental** tasks included **NEPA compliance, wetland findings reports, Coastal Use Permits, cultural resources, and Section 10/404 permits**, as necessary. The design required **topographical surveys, real estate property surveys, and right-of-way maps.** BKI performed road and bridge design, as well as hydraulic design using HEC-RAS, including scour analysis for both preliminary and final construction plan sets. This work involved the replacement of substandard bridges and associated roadway approaches in identified locations. The work included the removal of existing bridge decks, timber structures, pilings, and guardrails, followed by the construction of **new concrete bridges**, the driving of new concrete pilings, the installation of new guardrails, the replacement of the roadway, the installation of **precast reinforced concrete box culverts** (where applicable), and the widening of the roadway embankment and guard rail improvements. BKI provided unique bridge designs for cast-in-place slab span bridges and one **LG girder bridge**. **As-designed bridge load ratings** per LRFR are included.

This initiative includes State Project Numbers:

Phase II: H.014242.5, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268

PROJECT RELEVANCE:

- Compressed Schedule
- Road and Bridge Design
- Hydraulic and Hydrologic Design
- Preliminary & Final Plans
- Environmental Permitting



H.014249 Bridge Plan

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III. PE • Andrew R. Jensen, PE • Rebecca J. Chopin • David E. Boyd, PE • Renee Poole, PE • Bailee L. Hurm, EI • Fares Tannous, Ph.D., PE

17. Firm Experience:

Firm Name	**Burk-Kleinpeter, Inc.**	**Discipline(s)***	**bridge / road / environmental**
Project Name	**Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange**	**Firm responsibility (prime or sub?)**	**Prime**
Project number	**H.002861, H.013842**	**Owner's Name**	**Louisiana DOTD**
Project location	Metairie and Jefferson, LA	**Owner's Project Manager**	Christina Brignac
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1394, christina.brignac@la.gov		
Services commenced by this firm (mm/yy)	04/11	**Total consultant contract cost ($1,000's)**	$7,800
Services completed by this firm (mm/yy)	12/26 (est)	**Cost of consultant services provided by this firm ($1,000's)**	$6,300

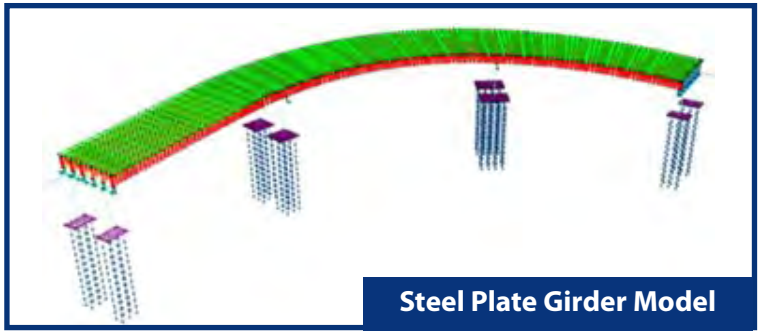
Firm Role: As prime, **BKI was responsible for conducting the Supplemental Environmental Assessment (SEA)** of the Earhart Expressway (LA 3139) and Causeway Boulevard(LA 3046) improvement and was also responsible for providing **all engineering services to design a new interchange**. Prime Consultant **provided rating & evaluation** with recommendations addressing deficiencies of existing bridge structures.

Project Description: This project includes a full interchange providing all directions of movement between the two corridors. The interchange is within a **very compact footprint with unique geometric challenges** and features seven new ramps, including at-grade roadways and bridge structures. Six of the eight movements were under freeflow conditions and two will function under a signal controlled condition. An elevated signalized intersection was used for the concurrent left turn movements from eastbound Earhart Expressway to northbound Causeway Boulevard and from westbound Earhart Expressway to southbound Causeway Boulevard.

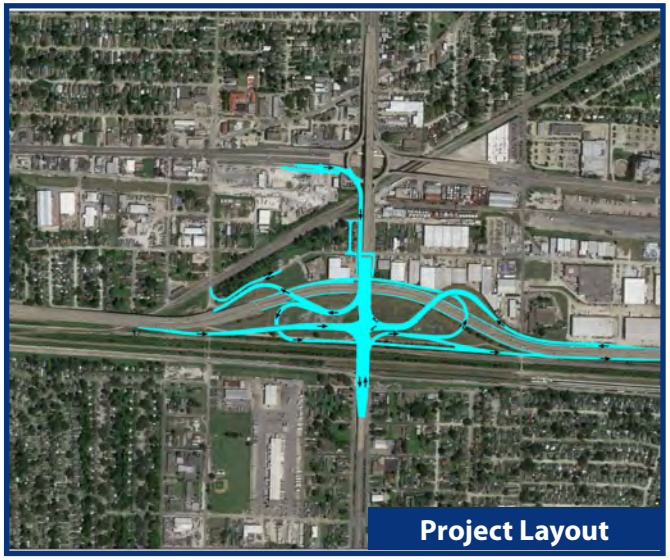
The project provided improved connectivity between major regional employment centers located in the Earhart Expressway and Causeway Boulevard corridors. The interchange has created another link between Earhart Expressway and Interstate 10 via Causeway Boulevard. The existing Causeway Boulevard and Earhart Expressway Bridges were evaluated and rated using Load Resistance Factor Rating (LRFR). BKI developed recommendations and designs to correct any deficiencies found.

PROJECT RELEVANCE:

- Row Acquisition
- Pile Bent Design
- Curved Slab Span Design
- As Designed Bridge Rating
- Road and Bridge Design
- Hydraulic and Hydrologic Design



Steel Plate Girder Model



Project Layout

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III, PE • Andrew R. Jensen, PE • David E. Boyd, PE • Rebecca J. Chopin, PE • Fares Tannous, Ph.D., PE • Renee M. Poole, PE • Bailee L. Hurm, EI

17. Firm Experience:

Firm Name	**Burk-Kleinpeter, Inc.**	**Discipline(s)***	**bridge / road /environmental**
Project Name	**Peters Road Bridge and Extension Phase 1, 2A, 2B, & 3**	**Firm responsibility (prime or sub?)**	**Prime**
Project number	**H.008244; H.008068; H.008069; H.014581**	**Owner's Name**	Plaquemines Parish Government
Project location	*Plaquemines and Jefferson Parishes, LA*	**Owner's Project Manager**	Ken Dugas
Owner's address, phone, email	333 F. Edward Hebert Blvd., Belle Chasse, LA 70802, 504-392-6690, kendugas@plaqueminesparish.com		
Services commenced by this firm (mm/yy)	07/07	**Total consultant contract cost ($1,000's)**	$7,800
Services completed by this firm (mm/yy)	08/26 (est)	**Cost of consultant services provided by this firm ($1,000's)**	$6,402

Firm Role: BKI was selected by the Plaquemines Parish Government to serve as the **Prime Consultant responsible for Environmental Assessments (supplements), Permits, Navigation Studies, Preliminary and Final Plan Development**, and construction support.

Project Description: **A new fixed, high-level bridge across the Gulf Intracoastal Waterway (GIWW)** including 4.85 miles of roadway and 1.62 miles of bridge. The new route would connect Peters Road (LA 3017) in Jefferson Parish with LA Highway 23 in lower Belle Chasse, crossing southwest of the Naval Air Station. The new route is crucial for hurricane evacuation and economic development from the Louisiana Gateway Port, as it provides a direct connection from lower Plaquemines Parish to the Westbank Expressway in Jefferson Parish. BKI has been involved with every stage of project development for the Peters Road Bridge and Extension.

BKI completed the **Phase 0 Feasibility Study** in June 1996. The Feasibility Study resulted in two preferred alternatives: a preferred LA 23 Bridge Tunnel replacement and a preferred New Crossing at Peters Road. BKI completed the **Stage 1 Environmental Assessment** with a Finding of No Significant Impact **(FONSI)** in 2004 for the Peters Road Extension. BKI then prepared a **Supplemental EA** in 2009 because the USACE constructed the floodwall along Peters Road during preliminary plan development.

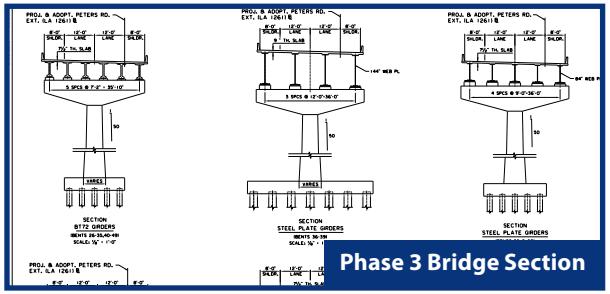
Phase 1: located in Plaquemines Parish, was let in 2011. Construction began in earnest in early 2012 and was completed in early 2014. This phase involved multiple **box culverts** and the **2.5 miles of the Walker Road Extension roadway**, which connects the future Phase 3 bridge project to LA 23.

Phase 2 was split into two phases for funding purposes in 2018. Phase 2A, located in Jefferson Parish, involves the construction of **four 10' x 10' precast reinforced concrete box culverts**, each **2,060 feet long**, to enclose the Murphy Canal. BKI utilized the Southeast Louisiana (SELA-EOH) Hydraulic Model to size the box culvert in the Murphy Canal. BKI coordinated with Jefferson Parish and the USACE on the hydraulic design and construction sequencing of the box culvert to maintain capacity in the Murphy Canal. Capacity was maintained by allowing the box to be constructed in a phased manner, thereby allowing the flow to pass around the construction. Phase 2A lays the groundwork for creating the one-way couplet under Phase 2B, which includes **two new slab-span bridges** over Bayou Barataria between Jefferson and Plaquemines Parishes.

Phase 3 is the final connection via the high-rise bridge over the GIWW. The bridge is approximately one mile long and is designed to provide sufficient vertical and horizontal clearances for vessels. The bridge features a **991-foot-long, three-span continuous deck unit constructed with steel plate girders**. The bridge approach spans consist of 20-foot slab spans with curtain walls, AASHTO Type III, and BT-72 **prestressed concrete girder spans** for the approaches. All bridges were designed in accordance with AASHTO LRFD and vessel collision analysis was performed.

PROJECT RELEVANCE:

- Road and Bridge Design
- Slab Span Design
- Pile Bent Design
- As-Designed Bridge Rating
- Hydraulic and Hydrologic Design
- Row Acquistion
- Box Culvert Design



Phase 3 Bridge Section

Phase 1 Box Culvert

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III, PE • Andrew R. Jensen, PE • Rebecca J. Chopin, PE • David E. Boyd, PE • Renee Poole, PE

17. Firm Experience:

Firm Name	**Burk-Kleinpeter, Inc.**	**Discipline(s)***	**bridge / road**
Project Name	**Multiple Bridges - Bob Pettit Road & Claycut Road Bridges**	**Firm responsibility (prime or sub?)**	**Prime**
Project number	**N/A**	**Owner's Name**	City of Baton Rouge
Project location	*Baton Rouge, LA*	**Owner's Project Manager**	Tom Stephens
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, LA 70821, 225-389-4950, tstephens@brgov.com		
Services commenced by this firm (mm/yy)	12/13	**Total consultant contract cost ($1,000's)**	$341
Services completed by this firm (mm/yy)	09/19	**Cost of consultant services provided by this firm ($1,000's)**	$235 (fee)

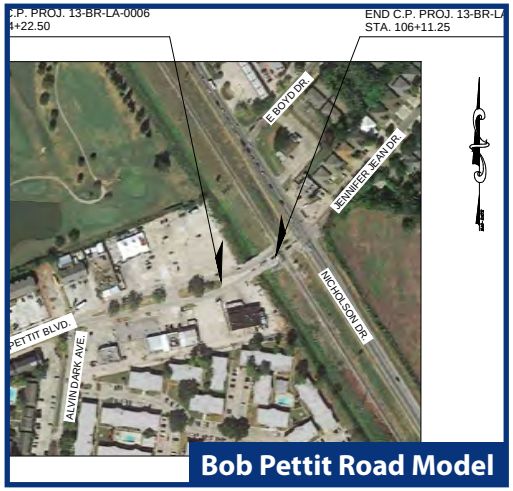
Firm Role: BKI was selected by the City of Baton Rouge to replace two existing bridges: Bob Pettit Road Bridge and Claycut Bridge.

Project Description: The Bob Pettit Road Bridge carries traffic over Fountain Bayou. The new structure is a **cast-in-place concrete slab span bridge** that is approximately 62' wide by 57' long, carrying two to three lanes of traffic and two six-foot sidewalks. The bridge substructure is composed of two bents and two abutments consisting of square concrete piles with concrete caps. Special care was taken as to not increase the stormwater elevation of the canal.

BKI was also contracted to replace the Claycut Bridge over Dawson Creek. Just as on Bob Pettit, the bridge was not to interfere with the existing hydraulic conditions of the canal. Bents and span sizes were selected and placed to avoid existing piles. The bridge was determined to be an 82' long by 44' wide bridge with a total of five spans, also **carrying two lanes of traffic and two six-foot sidewalks**. The three interior spans are 20' in length and skewed at an angle normal to Dawson Creek to help with the hydraulic flow. The exterior spans are trapezoidal shaped with a center line length of 18'. The structure consists of three bents and two abutments featuring concrete caps on square piles.

PROJECT RELEVANCE:

- Scour Protection Improvements
- Hydraulic and Hydrologic Design
- Improved Pedestrian Safety
- Slab Span Design
- Pile Bent Design



Bob Pettit Road Model


Claycut Road Bridge

Relevant Staff: • Rene, A. Chopin, III. PE • Andrew R. Jensen, PE • David E. Boyd, PE • Rebecca J. Chopin, PE

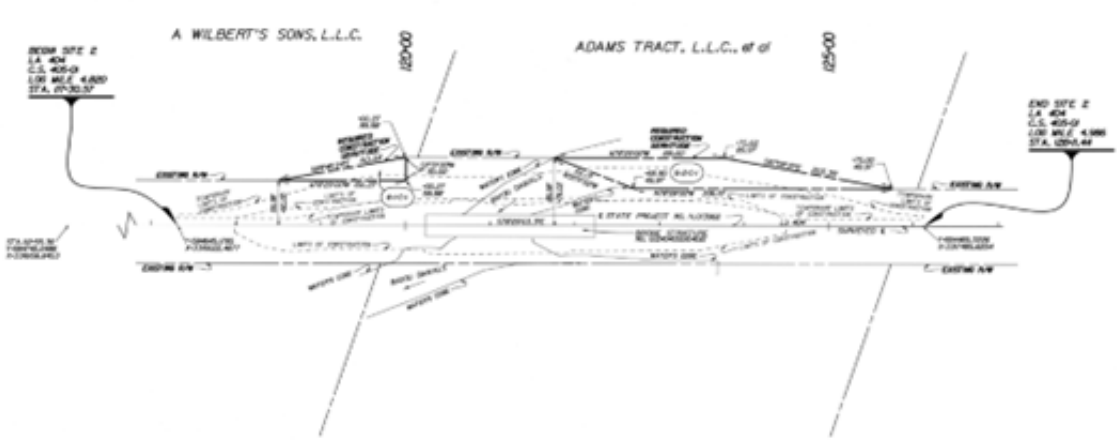
17. Firm Experience:

Firm name	**SJB Group, L.L.C.**		Discipline(s)*	**Survey, Right-of-Way**	
Project name	♦**Rural Bridge Replacement Initiative Phase 1**			Firm responsibility (prime or sub?)	**Sub**
Project number	**See below.**	Owner's name	**Louisiana Department of Transportation and Development**		
Project location	Multiple Locations in Louisiana (Districts 03,07,61,62)		Owner's Project Manager	**Brian Allen**	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1840, brian.allen@la.gov				
Services commenced by this firm (mm/yy)	**8/20**	Total consultant contract cost ($1,000's)		**$1,254**	
Services completed by this firm (mm/yy)	**4/24**	Cost of consultant services provided by this firm ($1,000's)		**$1,254**	

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

State Project Numbers: H.013952, H.013955, H.013956, H.013957, H.013958, H.013959, H.013963, H.013966, H.013968, H.013970, H.013976, H.013982, H.013984, H.013989, H.013996, H.013997

Firm's Role and Responsibilities: Topographic Surveying, Property Surveying, Right-of-Way Mapping
Highlighted Team Members: Tim Brewer, PLS, Matt Estopinal, PLS, Phillip Dowden, John Burleigh, Duke Koontz, C. Paul Young



SJB Group performed **topographic surveying, property surveying, right-of-way mapping,** and roadway design of 33 bridge replacements for Districts 03, 07, 61, and 62 as a sub-consultant to Burk-Kleinpeter within their contract with the LA Department of Transportation (LA DOTD). The topographic survey was completed in accordance with all principles and objectives set forth in the latest version of the LA DOTD Location and Survey Manual. A complete topographic survey of the project corridor for each site included a complete inventory for each drainage structure (type, size, length, and invert), and includes cross sections of all drainage ways. Property surveys were carried out for all potentially affected properties within the project corridor. Right-of-way mapping was also performed for each roadway along the project corridor. Roadway design included vertical and horizontal alignment of the bridge transitions, guard rails, and embankment design, typical roadway sections, and roadside drainage. The deliverables included preparation of property maps, base right-of-way maps, final right-of-way maps, Bently design files, drawing files, right-of-way map sets, and the preparation of a parcel input file of the acquisition parcels. The survey was conducted according to the LA DOTD location and survey manual "Addendum A" requirements.
The deliverables were provided in accordance with the LA DOTD guidelines for electronic deliverables.

Firm name	**SJB Group, L.L.C.**		Discipline(s)*	**Survey**	
Project name	**LA 1 to LA 415 Connector to Interstate 10**			Firm responsibility (prime or sub?)	**Prime**
Project number	**H.005121**	Owner's name	**Louisiana Department of Transportation and Development**		
Project location	**Port Allen, West Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Jonathan Herrod**	
Owner's address, phone, email	1202 Capital Access Road, Baton Rouge, LA | 225-379-1105 | Jonathan.Herrod@la.gov				
Services commenced by this firm (mm/yy)	**10/23**		Total consultant contract cost ($1,000's)	**$247**	
Services completed by this firm (mm/yy)	**12/24**		Cost of consultant services provided by this firm ($1,000's)	**$242.9**	

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

Firm's Role and Responsibilities: Topographic Survey, Subsurface Utility Engineering (SUE)

Highlighted Team Members: C. Tim Brewer, PLS | Colby Mire, PLS | Phillip Dowden | Erick Kidder

The project provides field data for the final design of a roadway to connect LA 1 to LA 415. The project is a supplement to previously performed surveying for the realignment of the due to recent development and construction. The project limits included a 2.9-mile corridor beginning approximately 0.2 miles north of the intersection of I-10 and LA 415 and continuing in a southeasterly direction along the extension of LA 415 across the intercoastal canal, industrial areas, and agriculture field to the intersection of LA. The project limits also include an approximate 1.8-mile corridor along LA 1 that extends from the roadway into residential, commercial, and retail areas. The project includes the collection of current conditions of the areas included in the project limits and merging the current data with the previous survey and updating any observed condition changes. The project includes the recovery and supplement of the existing control network. The collection of field data is completed through the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). **Mobile LiDaR survey** methods utilized for the collection of data along the high traffic segments of LA 1, Interstate 10 ramps, and LA 415. The data was processed through Trimble Business Center, with data extraction performed through TopoDot. The survey is being conducted according to the Louisiana Department of Transportation and Development Location and Survey Manual. The deliverables will be provided in accordance with the LADOTD guidelines for electronic deliverables.

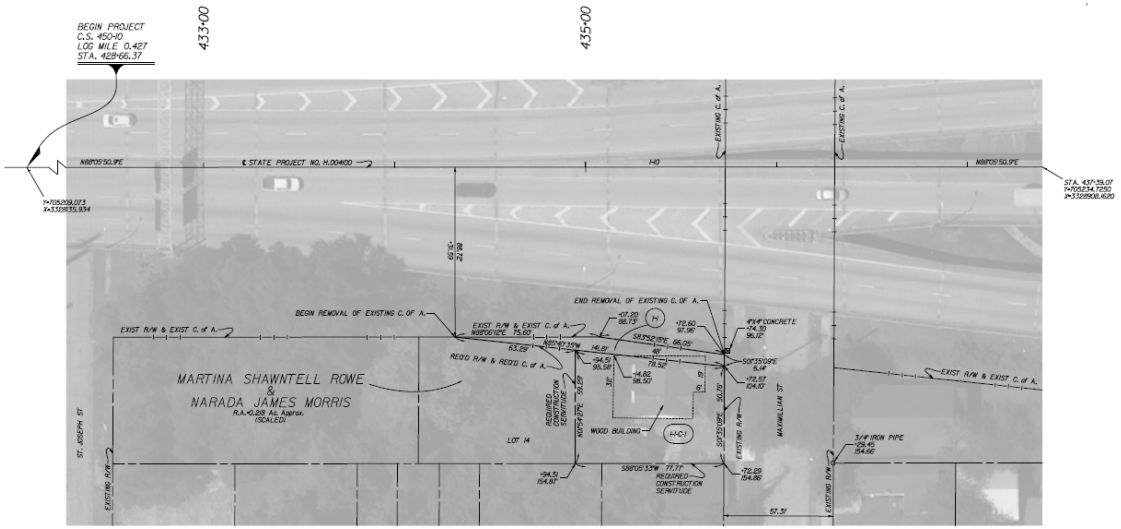
Firm name	**SJB Group, L.L.C.**		Discipline(s)*	**Survey, Right-of-Way**	
Project name	**I-10 Widening from LA 415 to Essen**			Firm responsibility (prime or sub?)	**Prime**
Project number	**H.0016118**	Owner's name	**Louisiana Department of Transportation and Development**		
Project location	**East Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Mark Hughes**	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 | 225-379-1206 | Mark.Hughes@la.gov				
Services commenced by this firm (mm/yy)	**7/21**	Total consultant contract cost ($1,000's)	**$148,326**		
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)	**$148,326**		

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

Firm's Role and Responsibilities: Property Survey, Topographic Survey, Right-of-Way Mapping, Subsurface Utility Engineering (SUE)

Highlighted Team Members: Tim Brewer, PLS, Matt Estopinal, PLS, Phillip Dowden, Duke Koontz, C. Paul Young, Colby Mire, PLS, John Burleigh

SJB Group performed **property surveying, partial topographic surveying, and right-of-way mapping** along a 4.4-mile stretch of Interstate 10 extending from LA 415 to Essen Lane in East Baton Rouge Parish for the LA Department of Transportation and Development's widening project. This project included a limited topographic survey to supplement and verify previous topographic surveys of the I-10 and I-12 corridor. Under the current IDIQ contract and task orders, SJB Group performed additional **property surveys** of specific areas designated by the project design team. This project required extensive title research to acquire the necessary existing surveys and deeds for initiation of the property survey portion in addition to the substantial amount of review of the title research reports supplied to SJB by LADOTD. It also required field surveying and mapping of an excess of one hundred parcels along the project corridor, which range in size from small urban residential lots to large commercial tracts. This project corridor also encompasses existing drainage and access servitudes, railroad rights-of-way, and numerous side streets in the heart of Baton Rouge, all of which SJB Group surveyed and mapped. The deliverables included preparation of property map, base right-of-way maps, final right-of-way maps, MicroStation drawing files in Bentley Design Files, right of way map sets, and the preparation of a parcel input file of the acquisition parcels.



The survey was conducted according to the LA Department of Transportation and Development Location and Survey Manual, Addendum "A" requirements. The deliverables were provided in accordance with the LADOTD guidelines for electronic deliverables.

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	ELOS Environmental, LLC		Discipline(s)*	Environmental	
Project name	♦LADOTD Rural Bridges: Phases I & II			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H No.	Owner's name	LA DOTD		
Project location	Statewide, LA (Districts 3, 5, 7, 8, 58, 61, and 62)		Owner's Project Manager	Brian Allen	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 225-379-1840, brian.allen@la.gov				
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$541.8	

The Off-System Bridge Program, established under the Infrastructure Investment and Jobs Act (IIJA), is a key federal initiative aimed at improving bridges not located on the federal-aid highway system. The program is designed to address the needs of local and rural bridges, which often fall outside the primary focus of traditional federal bridge programs. The program is managed at the state level and had $264 funded specifically for the repair, replacement, or rehabilitation of bridges. The funds were based on priorities and the overall condition of the bridges. **Project Numbers: H.015429, H.015430, H.015431, H.015432, H.015432, H.015433, and H.015434**

ELOS is currently contracted for the DOTD IIJA Off-System Bridge Program. The objective of this program was to replace as many poor condition, off-system bridges as possible by initial screenings of eligible "off-system" structures and create a Preliminary Screening Matrix/Spreadsheet. ELOS conducted appropriate technical and environmental studies and prepared necessary environmental documentation for approval from the Federal Highway Administration (FHWA), in accordance with the provisions of the National Environmental Policy Act (NEPA), FHWA Technical Advisory 6640.8a, and applicable laws, rules, guidance, and regulations. ELOS services encompass a comprehensive range of tasks aimed at ensuring compliance with environmental regulations and facilitating the necessary approvals for infrastructure projects. These services include environmental consulting to advise on regulatory requirements, NEPA (National Environmental Policy Act) compliance to assess and mitigate potential environmental impacts, and agency coordination to engage relevant federal, state, and local authorities. Additionally, services involve preparing section 106 tribal packets for consultation with native American tribes, solicitation of views to gather input from stakeholders, and conducting detailed studies such as wetland studies, cultural resources studies, and cultural resources surveys to evaluate the impact on natural and cultural resources. Surveys for threatened & endangered species and the preparation of a navigability determination packet help ensure environmental protections are met. The process also includes the development of an environmental determination checklist and the acquisition of necessary environmental permits to ensure all legal and regulatory requirements are fulfilled before the project proceeds.

Personnel Assigned: Lucas Watkins, Basile Dardar, and Christopher Wilson.

Firm name	ELOS Environmental, LLC		Discipline(s)*	Environmental	
Project name	DOTD IIJA Off System Bridges District 62			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H. No.	Owner's name	DOTD		
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Greg Sepeda (Sigma)	
Owner's address, phone, email	10305 Airline Hwy, Baton Rouge, LA 70816; (225)810-3100; gsepeda@sigmacg.com				
Services commenced by this firm (mm/yy)	9/22	Total consultant contract cost ($1,000's)		$129	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$127	

The Off-System Bridge Program, established under the Infrastructure Investment and Jobs Act (IIJA), is a key federal initiative aimed at improving bridges not located on the federal-aid highway system. The program is designed to address the needs of local and rural bridges, which often fall outside the primary focus of traditional federal bridge programs. The program is managed at the state level and had $264 funded specifically for the repair, replacement, or rehabilitation of bridges. The funds were based on priorities and the overall condition of the bridges. **Project Numbers: H.015429, H.015430, H.015431, H.015432, H.015432, H.015433, and H.015434**

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Personnel Assigned: Lucas Watkins, Basile Dardar, and Christopher Wilson.

Firm name	ELOS Environmental, LLC		Discipline(s)*	Environmental	
Project name	EBR IIJA Off-System Bridge Program			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H. No.	Owner's name	DOTD		
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Dusty Bastion (HNTB Corporation)	
Owner's address, phone, email	450 Laurel St., Ste. 1200, Baton Rouge, LA 70801; 225-368-2800; dbastion@hntb.com				
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)		$108	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$87	

The East Baton Rouge (EBR) IIJA Off-System Bridge Program is an initiative aimed at replacing or rehabilitating various bridges throughout East Baton Rouge Parish, Louisiana, funded under the Infrastructure Investment and Jobs Act (IIJA). The primary goal of the program is to improve the safety, reliability, and structural integrity of local bridges, many of which are aging or in need of significant repairs. This program is part of a larger nationwide effort to address critical infrastructure needs, especially in rural and off-system bridge locations that are not part of the primary interstate or state highway systems but are still essential for local connectivity and economic activity. The program focuses on replacing existing bridges with modern slab span bridges, which are often more cost-effective, durable, and easier to maintain compared to traditional bridge designs. These improvements will reduce the risk of bridge closures, enhance traffic flow, and support the local economy by ensuring safe passage for both vehicles and pedestrians.

Project Numbers: H.015547, H.015548, H.015544, H015549, H.015545, H.015550, H.015341, H.015551, H.015552, H.015553

ELOS is contracted by HNTB to provide comprehensive wetland delineation and permit application services for the East Baton Rouge Parish (EBR) IIJA Off-System Bridge Program. Our team of experts has conducted thorough field surveys to delineate wetland boundaries across the 13 bridge replacement sites, using advanced techniques to assess soil types, vegetation, and hydrological conditions. We have ensured that all findings are accurately mapped and documented, complying with federal and state regulations using the latest FHWA criteria and standards. Based on our wetland delineation, we have prepared and submitted permit applications to the U.S. Army Corps of Engineers, the Louisiana Department of Environmental Quality, and other relevant agencies, securing the necessary approvals for the project. Our services have also included an analysis of environmental impact assessments, where we have evaluated potential wetland impacts and developed mitigation plans to compensate for any unavoidable losses. Throughout the permitting process, we have engaged with agencies, responded to requests for additional information or documentation, and provided ongoing compliance monitoring to ensure environmental protection standards are met during construction.

Personnel Assigned: Lucas Watkins, Brian Fortson, Basile Dardar, and Cory Ricks

Sections 18

H.013997
Local Road Bridge (Construction Progress Photo)
St. James Parish, District 61
Design Engineer: BKI
EOR: René A. Chopin, III, PE

18. Approach and Methodology:

INTRODUCTION TO PROJECT TEAM

Burk-Kleinpeter, Inc. (BKI) will serve as the prime consultant providing project management, road, hydraulic, and bridge design services. **BKI has an established track record of completing designs for the Louisiana Department of Transportation (LADOTD) on rural bridge replacements**, including the Rural Bridges Replacement Initiative Phases I and II, following all the department's policies and procedures. Phase I consisted of 33 bridges (including 8 off-system bridge replacements) across 14 parishes and 4 LADOTD Districts (03, 07, 61, and 62), while Phase II consisted of 34 bridges across 9 parishes and 3 LADOTD Districts (05, 08, and 58).

Drawing from our experience on 67 similar bridge replacement projects, including 8 off-system bridges, the BKI design team is prepared to deliver another high-quality bridge design for the State of Louisiana on the North Achord Rd Over Drainage Bayou.

For this project, BKI has thoughtfully chosen sub-consultant firms with the required professional expertise and local knowledge to meet the Department's requirements and ensure the project's completion on schedule. SJB Group, LLC (SJB), which will provide surveying services, and ELOS Environmental, LLC (ELOS), which will offer environmental services, are joining the BKI team. BKI has a proven track record of successful collaboration with both firms, each having their own history of success working with LADOTD. **In District 61, the BKI-SJB-ELOS team recently collaborated on H.013955: LA 961: Sandy Creek Bridge – East Feliciana Parish – one bridge; H.013956: Beamon Road Over Bayou Maringouin – Point Coupee Parish – one bridge; H.013957: Sligo Road Over Walter Creek – West Feliciana Parish – one bridge; H.013968: LA 404: Bayou and Canal Bridges – Iberville Parish – four bridges; H.013997: LOC Rd Over Borrow Pit – St. James Parish – one bridge.**

PROJECT BACKGROUND

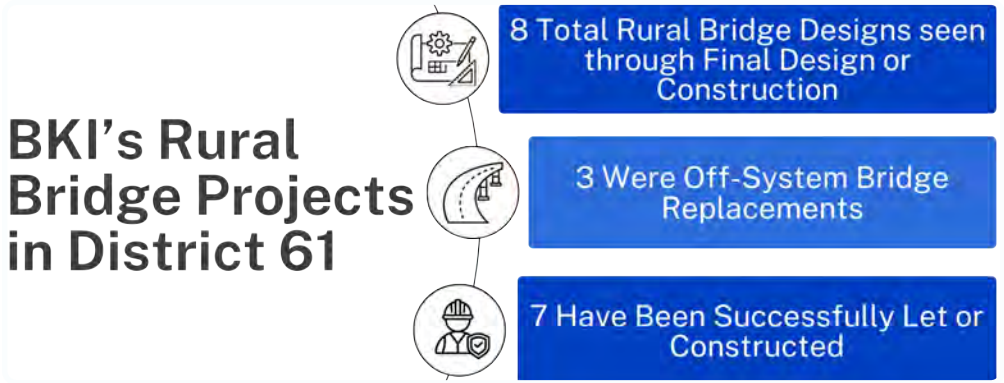
LADOTD has found that the off-system bridge at North Achord Rd Over Drainage Bayou is in poor condition and requires replacement. The project is in Baton Rouge, LA, in East Baton Rouge Parish, District 61.

The Purpose and need of this project is to preserve neighborhood routes off Tiger Bend Rd by replacing the existing, aging, and load-posted bridge structure. The proposed design intends to facilitate the construction of a new bridge at standard capacity, advantageous to the welfare of the local economy. The work classification will be "spot replacement." The project length is approximately 400 feet long on Control Section 000-17.

PROJECT MANAGEMENT

Andrew Jensen, PE, will lead the Project Team as the **Project Manager** (PM). He has recent **experience serving in the same role on 67 bridge replacements**. He has over **10 years of experience on LADOTD projects**. His expertise is in project management, road design, and rural bridge design. Andrew will utilize the knowledge of **Rene A. Chopin, III, PE,** who has **37 years of experience on LADOTD projects**, and will serve on the project as the QC/QA Manager. The leaders of the project team, Andrew and Rene, are highly qualified and capable of delivering another successful project to LADOTD.

Upon receiving the Notice to Proceed (NTP), the BKI Team will hold a **pre-design kickoff meeting** to discuss the project scope and major discussion points. This meeting will consist of members of BKI's team, along with representatives from LADOTD, including the LADOTD PM, and any relevant agency or local stakeholders. BKI will host weekly meetings with all sub-consultants to ensure high levels of coordination and communication for this multidisciplinary project. BKI will also host bi-weekly progress meetings with the LADOTD PM and team members. Each session will include a written status report and current project schedule. The BKI PM, Andrew Jensen, PE, will discuss the progress and can share any relevant information with the LADOTD project manager at the progress meetings. The Project Team aims to work seamlessly with the LADOTD staff. LADOTD will provide Geotechnical services on the contract, so frequent and high-quality coordination meetings are critical. BKI has experience working on both complex projects and many small projects that all require a high degree of project management and collaboration with LADOTD. We take this responsibility seriously and strive to meet or exceed the Department's expectations. The BKI PM, Andrew Jensen, has proven to be able to meet this challenge on many similar bridge spot replacement projects.



DESIGN PHASE

Topographic Survey

Any topographic and bathymetric surveys conducted by SJB will be in accordance with all principles and objectives set forth in the latest version of the LADOTD Location and Survey Manual. All deliverables will be developed in accordance with the current Location and Survey Section's list of topographic survey submittal requirements.

Drainage Map

When required by a task order, an existing drainage map will be prepared. The existing drainage map will be in accordance with Section 2.6.1 of the LADOTD Hydraulics Manual and will include existing drainage structure locations (size & type & inverts/tops), break lines for drainage boundaries, and a determination of existing drainage patterns within the project limits. The existing drainage survey will include any high-water marks and the nearest outfall locations for the project area.

Title Take-Offs & Boundary Survey

SJB will begin any property boundary tasks by acquiring title reports or title takeoffs if required. The property records data will be used to proceed with a field investigation to recover property boundary monumentation and observe the monumentation recovery to determine the property boundaries and existing right-of-way. SJB will process and analyze monumentation and depict the property boundaries and existing right-of-way on the property survey map.

Right-of-way Maps

SJB will incorporate the property survey map, the adopted project centerline, parcel line locations and ownership, required right-of-way, limits of construction, and critical topographic features into the 60% base maps. BKI and SJB will attend a Joint Plan Review (JPR) meeting hosted by LADOTD. The surveyor will then incorporate any JPR comments and provide Final Right-of-way Map deliverables in the standard DOTD format as specified in the Location and Survey Manual Addendum "A".

Design Criteria

BKI will **develop design criteria for approval by LADOTD** before starting the design process. We will consider all relevant LADOTD design manuals, policies, and memoranda as part of these criteria, as well as the previous 5-year crash history. Additionally, we will incorporate guidelines from the Federal Highway Administration (FHWA), the American Association of State Highway and Transportation Officials (AASHTO), and other federal resources. We will also work closely with **East Baton Rouge Parish** to ensure the typical sections we establish are consistent and compatible with the adjacent projects planned for the North Achord Rd. corridor. BKI will create a design report and typical sections, paying special attention to context-sensitive challenges at this location.

Hydraulics

We will use our **extensive experience and expertise in rural and urban hydraulics and hydrology methods and criteria** to ensure no negative impacts on the watershed area near Drainage Bayou. Once the survey is complete, **a detailed HEC RAS model** will be created to analyze the existing, proposed, and un-constricted channels. The model will also be used to conduct a detailed analysis of the existing and proposed structures, scour, and backwater. We will then **determine the bridge type, size, and location (TS&L)** and subsurface drainage solutions to optimize the overall performance and cost. Our hydraulic analysis will be thorough and will account for the unique existing site factors. A proposed standard reinforced box culvert would reduce construction time and cost; however, structure type alternatives will be thoroughly analyzed and discussed. The analysis and proposed design will include erosion control solutions such as side drain erosion pipes, rip rap, or another appropriate revetment. Revetment solutions will be sized based on the velocity conditions. Additionally, the model will address any future drainage improvements planned within the drainage basin. The site's hydrologic conditions, including soil, historical flood, and upstream drainage data, will be evaluated to produce accurate flow data, including the 500-year event. A **site-specific, off-system criteria report**, including the flow data, will be submitted prior to the hydraulic analysis. The hydrologic and hydraulic findings and proposed improvements will be compiled into a clear and informative report.

BKI utilizes a comprehensive range of **LADOTD**-approved software, which includes: AASHTOWare Project, Openroads, Microstation/Inroads, Designer, ProjectWise, Interplot Organizer, CADConform, Bluebeam, Revu, HEC RAS, OpenBridge Designer, STAAD, L-Pile, and MathCAD Prime.

Environmental

ELOS is highly qualified with ye**ars of experience working with LADOTD** to evaluate the social, economic, and environmental consequences of proposed roadway and bridge designs and alternatives and presenting this information in required environmental documents. ELOS will utilize its experience and industry knowledge to ensure the environmental document is prepared in accordance with the **National Environmental Policy Act (NEPA)**, applicable rules, laws, guidance, and regulations, and other applicable federal and LADOTD publications as specified by the department.

ELOS will first prepare the **Solicitation of Views (SOV)** to submit to the required recipients. While waiting for their responses, the team will continue working on other necessary services, including the Wetland Delineation and Report to submit to USACE requesting an official JD. The team will also proceed with the **Threatened and Endangered (T&E) Survey** and obtain a determination from USFWS to identify any protected species present in the project area. The **Early Section 106 Tribal Coordination Packet** will be provided to the LADOTD manager for transmittal with the **Section 106 Packet**. Additionally, ELOS will provide an **Environmental Determination Checklist** with any necessary attachments. Finally, ELOS will apply for all required permits with USACE and/or the Department of Environmental and Natural Resources (DENR) to secure authorization.

Typical Section

The project corridor is classified as a Local Road and is not part of the National Highway System (NHS). The posted speed on the route is 30 mph, and we expect the design speed to be 35 mph. North Achord Rd. has a moderate density of driveways and intersections, including a driveway apron within 10 ft. of the end of the existing approach slab. The existing road has two 10 ft. lanes with no shoulders. We expect the road to be closed during construction, and a temporary detour route will be provided. BKI will ensure that the detour route is practical and can handle the additional traffic. Using the traffic data for this site, we will determine the lane and shoulder widths according to the **LADOTD Minimum Design Guidelines**. When possible, preferred values will be used. We will reduce the proposed lane and shoulder widths to acceptable values only if the effects of using the preferred values are analyzed and considered too great. Special care will be taken to avoid design waivers and exceptions; however, they will be written as needed. During the preliminary design, we will carefully review the impacts on the adjacent properties and utilities. We will balance the

impact on the adjacent properties with the safety and functionality of wider lanes and shoulders. We will use 4:1 foreslopes and 3:1 backslopes and provide an adequate **clear zone per the Roadside Design Guide.** We will improve the side drain pipes and ditches and use safety end treatments when pipe ends are within the clear zone.

Geometry

We will develop and refine the project geometry to minimize impacts to the surrounding neighborhood, being mindful that we are to provide enough right-of-way for a functional two-lane corridor. We do not expect superelevation to be necessary since the crossing is in a tangent. The proposed structure type will be evaluated based on the findings from the Hydraulic calculations and existing geometry. The site may be a candidate for a box culvert instead of a bridge, which would reduce cost and construction time. BKI has ample experience utilizing a box culvert design for channel crossings on urban and rural corridors. If a box culvert is found to be hydraulically practical, BKI will coordinate with LADOTD and the local agencies to confirm the best product for the site's specific needs. The proposed bridge **TS&L** will be set based on the existing channel geometry. For a box culvert, the clear zone, hydraulic capacity, utility, and right-of-way impacts will be considered when determining the length. If guard rails are required, a guard rail design using the latest MASH standards will be conducted to replace and lengthen the existing guard rails. The stopping sight distance for the project will be checked, including the adjacent private driveways, especially near the bridge barrier rails and guard rail. Earthwork and grading, including ditch design around and at the channel, will be refined to provide proper drainage and to eliminate erosion issues. The existing right-of-way is around 60 ft wide. **The design team will make every effort to provide a design that fits within the existing right-of-way to mitigate impacts to the adjacent properties.** However, if additional right-of-way is required, we are prepared to work closely with the DOTD real estate group to assist in the right-of-way acquisition process by providing detailed descriptions of impacted improvements, including driveways and fences.

Bridge Design

The bridge design team has been carefully assembled to effectively achieve the project's goals, as outlined in the scope of work. Key team members **Rene Chopin III, Rebecca Chopin, and Fares Tannous of BKI bring a combined experience of over 73 years in bridge design.** Their expertise encompasses a range of areas, including nonstandard concrete slab span and approach slab design, LG girder design, bearing design, bent design, and as-designed bridge ratings. All bridge design and procedures will follow the LADOTD Bridge Design and Evaluation Manual (BDEM) and AASHTO LRFD Bridge Design Specifications.

Most recently, this design team completed plans for multiple bridges as part of the Rural Bridge Initiatives Phase I and Phase II projects. Notable designs include the LA 119 over Bayou Pierre bridge (H.014245), which utilizes LG-36 girder spans and requires phased construction of the bridge structure, and two bridges on LA 399 near Fullerton, featuring curved slab spans (H.014247).

Based on the terrain of this location, BKI believes that a pre-cast box culvert may be considered for this project to reduce cost and construction time. The BKI bridge design team will include the box culvert's load rating in our design and will coordinate with the LADOTD geotechnical engineers on the design of the shallow foundation.

If LADOTD, cost analyses, hydraulic design, or other design considerations indicate that a different type of structure would be more suitable for this project, the BKI bridge design team has extensive experience in designing various bridge structures. If LADOTD standard plans and special details are used to construct a slab span bridge, the latest LADOTD details will be used. BKI will collaborate with LADOTD geotechnical engineers, providing them with the pile layout and maximum pile loads necessary for the deep foundation design.

Finally, a **Final Calculation Book** and the **As-Designed Rating Report** will be submitted to LADOTD per BDEM format. The project team aims to provide a structure that is safe, visually appealing, and functional for the traveling public.

Cost Estimates

Cost estimates will be completed at major milestones per LADOTD standard procedures.

Special Provision Write-Ups

If a Special Provision write-up is required, BKI has experience writing nonstandard specifications and incorporating them into LADOTD projects.

Quality Control (QC) / Quality Assurance (QA)

Rene Chopin, III, PE, will serve as the **QC/QA Manager.** He has **37 years of experience working on LADOTD projects.** Rene's expertise is in road and bridge design and project management. With Rene's oversight, the Project Team will conduct the necessary QC/QA on its work throughout each phase of this project, adhering to the procedures outlined in the QC/QA plan included in this proposal.

Letting & Construction Support

The Project Team has significant experience with LADOTD rural bridge projects, collaborating with LADOTD throughout the **letting** process and providing necessary **construction support** as needed. BKI is knowledgeable in assisting LADOTD with Falcon inquiries during the letting phase.

The same project team assigned to this project has successfully had 19 rural bridge projects let for construction within the last 5 years, with minimal questions from the field

During recent rural bridge construction projects, only a few questions were raised regarding the BKI projects. Any inquiries from the contractor were answered promptly. The team is well-equipped and prepared to manage another project effectively.

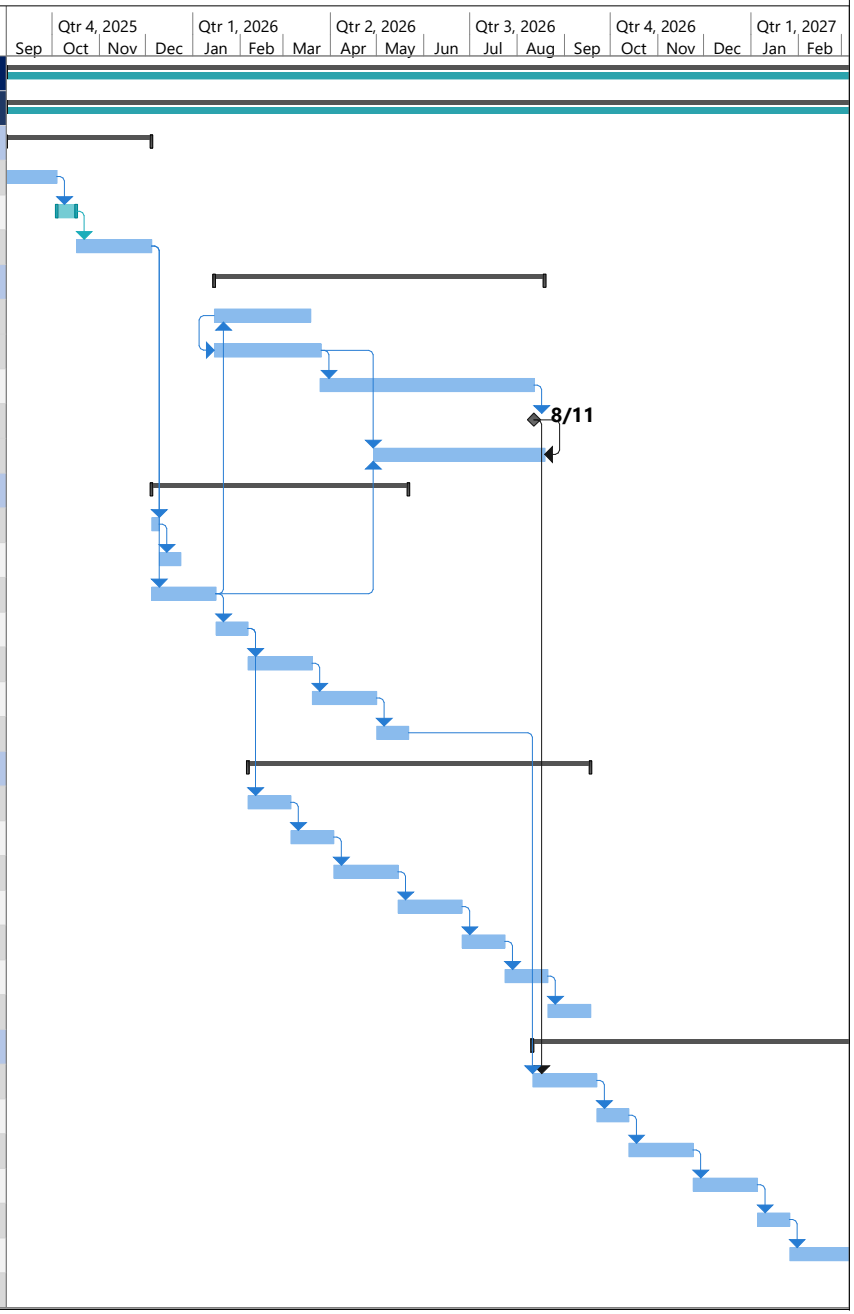
PROJECT SCHEDULE

BKI expects that final plans will proceed through a supplemental agreement after the preliminary plans are completed. The schedule below outlines the Project Team's expected milestones and timeline for completion. Actual dates will be updated upon receipt of the NTP. Duration shown in working days.

North Achord Rd. Over Drainage Bayou

State Contract #4400030644

ID	Task Name	Duration	Start	Finish
1	**North Achord Rd Over Drainage Bayou**	407 days	Mon 9/1/25	Tue 3/23/27
2	**H.015977.5 - District 61**	**407 days**	**Mon 9/1/25**	**Tue 3/23/27**
3	SURVEY (SJB)	69 days	Mon 9/1/25	Thu 12/4/25
4	GPS Control Sketch	25 days	Mon 9/1/25	Fri 10/3/25
5	*DOTD Review of Control Sketch*	10 days	Sat 10/4/25	Thu 10/16/25
6	Topographic Survey	35 days	Fri 10/17/25	Thu 12/4/25
7	ENVIRONMENTAL (ELOS)	154 days	Thu 1/15/26	Tue 8/18/26
8	Solicitation of Views	45 days	Thu 1/15/26	Wed 3/18/26
9	Environmental Studies / PCE	50 days	Thu 1/15/26	Wed 3/25/26
10	*LADOTD/SHPO Review*	100 days	Wed 3/25/26	Tue 8/11/26
11	**Environmental Approval Milestone**	**0 days**	**Tue 8/11/26**	**Tue 8/11/26**
12	Permitting (CUP & Sec 10/404)	80 days	Wed 4/29/26	Tue 8/18/26
13	PRELIMINARY PLANS (BKI)	120 days	Fri 12/5/25	Thu 5/21/26
14	Hydraulic Design Criteria Report	3 days	Fri 12/5/25	Tue 12/9/25
15	DOTD Review: Hydraulic Design Criteria Report	10 days	Wed 12/10/25	Tue 12/23/25
16	60% PP & Draft Hydraulic Report	30 days	Fri 12/5/25	Thu 1/15/26
17	DOTD Review: 60% PP & Draft Hydraulic Report	15 days	Fri 1/16/26	Thu 2/5/26
18	90% PP & Final Hydraulic Report	30 days	Fri 2/6/26	Thu 3/19/26
19	DOTD Review: 90% PP and Plan-In-Hand Meeting	30 days	Fri 3/20/26	Thu 4/30/26
20	100% Preliminary Plans	15 days	Fri 5/1/26	Thu 5/21/26
21	Additional ROW if Needed (SJB)	160 days	Fri 2/6/26	Thu 9/17/26
22	Property Survey	20 days	Fri 2/6/26	Thu 3/5/26
23	DOTD Review: Property Survey	20 days	Fri 3/6/26	Thu 4/2/26
24	60% Base Map	30 days	Fri 4/3/26	Thu 5/14/26
25	DOTD Review: 60% Base Map & JPR Meeting	30 days	Fri 5/15/26	Thu 6/25/26
26	Final Check Prints	20 days	Fri 6/26/26	Thu 7/23/26
27	DOTD Review: Final Check Prints	20 days	Fri 7/24/26	Thu 8/20/26
28	Final ROW Map	20 days	Fri 8/21/26	Thu 9/17/26
29	FINAL PLANS (BKI) (Pending Notice to Proceed)	160 days	Tue 8/11/26	Mon 3/22/27
30	60% FP	30 days	Tue 8/11/26	Mon 9/21/26
31	DOTD Review: 60% FP	15 days	Tue 9/22/26	Mon 10/12/26
32	95% FP	30 days	Tue 10/13/26	Mon 11/23/26
33	DOTD Review: FPR	30 days	Tue 11/24/26	Mon 1/4/27
34	98% FP	15 days	Tue 1/5/27	Mon 1/25/27
35	DOTD Review	30 days	Tue 1/26/27	Mon 3/8/27
36	100% FP	10 days	Tue 3/9/27	Mon 3/22/27



Sections 19-23

H.013956
Beamon Road Bridge (Construction Progress Photo)
Pointe Coupee Parish, District 61
Design Engineer: BKI
EOR: René A. Chopin, III, PE

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project name	Remaining unpaid Balance**
BKI Burk-Kleinpeter, Inc.	Road	H.002861	Causeway Boulevard Earhart Expressway Interchange Routes LA 3046 & 3139 - Jefferson Parish, LA	$47,534
	Bridge			$336,699
	Other (Lighting)			$11,883
	Road	H.013957	Local Road Rural Bridge Replacement - West Feliciana Parish, LA	N/A
	Road	H.013968	LA 404 Rural Bridge Replacement -Iberville, LA	$1,407
	Bridge			$161
	Environmental			$48
	Road	H.013982	LA 10 Spur, LA 1042: Bridges near Greensburg Rural Bridges Replacement Project - St. Helena Parish, LA	$373
	Bridge			$3,249
	Environmental			$112
	Road	H.013984	LA 16: Bridges (Isabel to Sun) Rural Bridges Replacement Project - St. Tammany & Washington Parishes, LA	$301
	Bridge			$2,626
	Environmental			$90
	Road	H.013996	LA 1074, LA 1075: bridges near Rio Rural Bridges Replacement Project - Washington Parish, LA	$3,230
	Bridge			$2,977
	Environmental			$126
	Road	H.014242	Rural Bridge Replacement Initiative H.014242 - LA 124 - Winn Parish, LA	$1,085
	Bridge			$931
	Environmental			$20
	Road	H.014243	Rural Bridge Replacement Initiative H.014243 - LA 472 - Grant Parish, LA	$674
	Bridge			$76
	Environmental			$15
	Road	H.014245	Rural Bridge Replacement Initiative H.014245 - LA 119 - Natchitoches Parish, LA	$171,522
	Bridge			$19,461
	Environmental			$3,898
	Road	H.014246	Rural Bridge Replacement Initiative H.014246 - LA 1199 - Rapides Parish, LA	$1,674
	Bridge			$190
	Environmental			$38
	Road	H.014247	Rural Bridge Replacement Initiative H.014247 - LA 399 - Vernon Parish, LA	$94,974
	Bridge			$72,927
	Environmental			$1,695
	Road	H.01428	Rural Bridge Replacement Initiative H.014248 - LA 124 - Catahoula Parish, LA	$1,396
	Bridge			$158
	Environmental			$31

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project name	Remaining unpaid Balance**
Burk-Kleinpeter, Inc.	Road	H.014249	Rural Bridge Replacement Initiative H.014249 - LA 126 - Caldwell Parish, LA	N/A
	Bridge			
	Environmental			
	Road	H.014250	Rural Bridge Replacement Initiative H.014250 - LA 577 - Franklin Parish, LA	$742
	Bridge			$84
	Environmental			$16
	Road	H.014268	Rural Bridge Replacement Initiative H.014268 - LA 4 - Jackson & Caldwell Parishes, LA	$3,458
	Bridge			$2,881
	Environmental			$64
SJB Group, L.L.C.	CPM	Contract Number: 4400017485	IDIQ Contract for Critical Path Method (CPM) Analysis	N/A
	Survey	Contract No: 44-17597 S.P. No. H.4400017597	IDIQ Surveying Services Rural Bridge Replacement Initiative	$680
	Survey	Contract No: N/A S.P. No. H.013716.5	US 167 Johnston St. – Mt. Vernon - Churchill	$39,723
	Survey	Contract No: 44-17711 S.P. No. H.005121.5 Task Order 5	LA 1 – LA 415	N/A
	Right-of-Way	Contract No: 44-28371 S.P. No. H.004100.5| Directive 2	I-10 LA 415 Directive 2	$250,000
	Right-of-Way	Contract No: 44-28371 S.P. No. H.004100.5| Directive 3	I-10 LA 415 to Essen – Directive 3	N/A
	Other (DBE)	Contract No: 44-26952 S.P. No.	LA DBE Supportive Services	$449,862
ELOS Environmental, LLC	Environmental	44-0019337 / H.014242	LA-124 Big Branch, Sandy, Godfrey, Beech Bridges	N/A
	Environmental	44-0019337 / H.014243	LA-472 Indian and Big Bear Creek	$18
	Environmental	44-0019337 / H.014245	LA-119 Bayou Pierre and Creek Bridges	$15
	Environmental	44-0019337 / H.014246	LA-1199 Creeks & Spring Creek	$18
	Environmental	44-0019337 / H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	$26
	Environmental	44-0019337 / H.014247.5	LA-399 Bridges – Supplemental Task Order	N/A
	Environmental	44-0019337 / H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$14
	Environmental	44-0019337 / H.014248.5	LA-124 On site Detours - Supplemental Task Order	$10
	Environmental	44-0019337 / H.014249	LA-126 Creek	$849
	Environmental	44-0019337 / H.014242.5	LA-124 Bridges/Detours – Supplemental Task Order	$21,472
	Environmental	44-0019337 / H.014250	LA-577 Bull Bayou and Creek Bridges	$37

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project name	Remaining unpaid Balance**
ELOS Environmental, LLC	Environmental	44-0019337 / H.014268	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief	$30
	Environmental	44-0019337 / H.014268.5	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek Relief – Additional Tasks	$8
	Environmental	44-0019337 / H.014245.5	LA-119 Bayou Pierre and Creek Bridges – Additional Tasks	N/A
	Environmental	44-0027734 / H.014362	Lake Road in St. Tammany Parish	$22,877
	Environmental	44-0024593 / H.015009	OSBR West Metairie Ave Bridge, South Suburban Canal	N/A
	Environmental	44-0025041 / H.015429	Carroll Ave, Middle Colyell Creek - IIJA Off-System Bridges District 62	$25
	Environmental	44-0025041 / H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges District 62	$15
	Environmental	44-0025041 / H.015431	Sawmill Rd, Unnamed Creek - IIJA Off-System Bridges District 62	$17
	Environmental	44-0025041 / H.015432	M. Williams Rd, Spring Creek - IIJA Off-System Bridges District 62	$17
	Environmental	44-0025041 / H.015433	George Jenkins Rd, Berrys Creek - IIJA Off-System Bridges District 62	$28
	Environmental	44-0019337 / H.015434	Mitch Rd, Peters Creek - IIJA Off-System Bridges District 62	$8
	Environmental	44-0021326	DOTD Stage 0 IDIQ	$2,760

20. Certifications/Licenses:

If advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**


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

Mr. Michael David Chopin

License/Certificate Type - Number

PE.0026797

Status: Active Exp Date: 09/30/2026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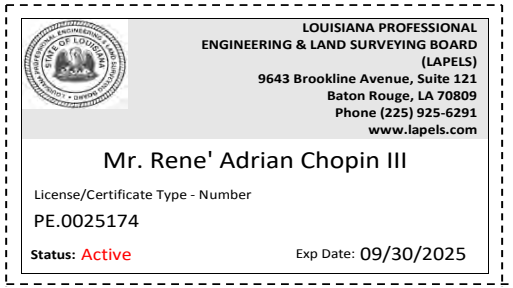
Phone (225) 925-6291
www.lapels.com

Mr. Fares Elias Tannous

License/Certificate Type - Number

PE.0047542

Status: Active Exp Date: 09/30/2025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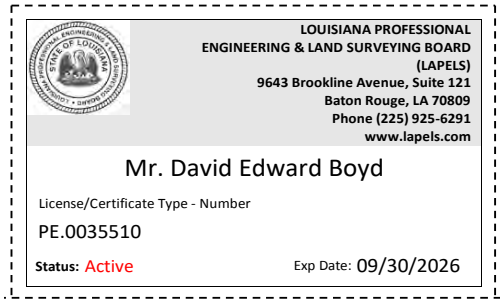
Mr. Rene' Adrian Chopin III

License/Certificate Type - Number

PE.0025174

Status: Active Exp Date: 09/30/2025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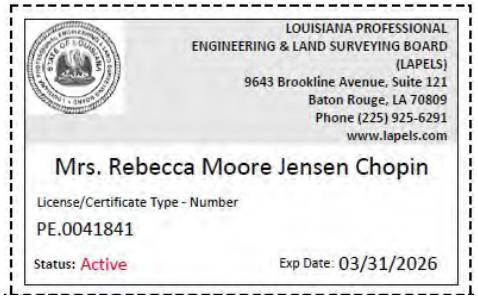
Phone (225) 925-6291
www.lapels.com

Mr. David Edward Boyd

License/Certificate Type - Number

PE.0035510

Status: Active Exp Date: 09/30/2026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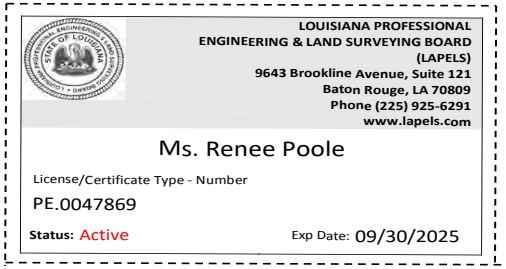
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mrs. Rebecca Moore Jensen Chopin

License/Certificate Type - Number

PE.0041841

Status: Active Exp Date: 03/31/2026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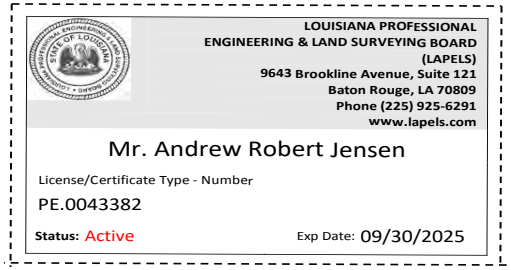
www.lapels.com

Ms. Renee Poole

License/Certificate Type - Number

PE.0047869

Status: Active Exp Date: 09/30/2025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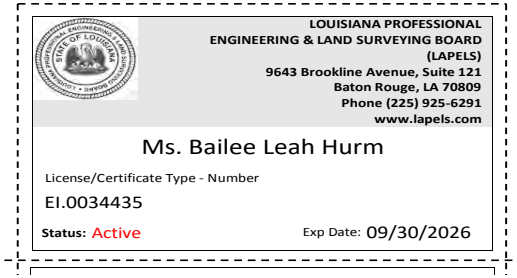
Mr. Andrew Robert Jensen

License/Certificate Type - Number

PE.0043382

Status: Active Exp Date: 09/30/2025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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Bailee Leah Hurm

License/Certificate Type - Number

EI.0034435

Status: Active Exp Date: 09/30/2026

20. Certifications/Licenses:

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Rene A Chopin III
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/6/2023 to 9/6/2027
Training Valid Through

Vice President of Education and Technical Services

Kenner, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Renee Poole
has attended
Louisiana Traffic Control Technician
Training Course

10/17/2023 to 10/17/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Rebecca Chopin
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/6/2023 to 9/6/2027
Training Valid Through

Vice President of Education and Technical Services

Kenner, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bailee Hurm
has attended
Louisiana Traffic Control Technician
Training Course

10/17/2023 to 10/17/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Andrew Jensen
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

9/6/2023 to 9/6/2027
Training Valid Through

Vice President of Education and Technical Services

Kenner, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com

20. Certifications/Licenses:

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

Name:	Public Address:
Burk-Kleinpeter, Inc.	2400 Veterans Memorial Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000124	Active	09/12/1984	09/30/2025	Mr. Rene' Adrian Chopin III # PE.0025174

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

Name:	Public Address:
Burk-Kleinpeter, Inc.	2400 Veterans Memorial Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000024	Active	09/12/1984	09/30/2025	Mr. Henry Maurice Picard III # PLS.0004736

(https://www.sos.la.gov/Pages/default.aspx)

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Name	Type	City	Status
BURK-KLEINPETER, INC.	Business Corporation	KENNER	Active

Previous Names

Business: BURK-KLEINPETER, INC.
Charter Number: 34364706D
Registration Date: 10/1/1990

Domicile Address
2400 VETERANS MEMORIAL BLVD. SUITE 310
KENNER, LA 70062

Mailing Address
C/O DEBORAH P. VEGH
2400 VETERANS MEMORIAL BLVD. SUITE 310
KENNER, LA 70062

Principal Office Address
2400 VETERANS MEMORIAL BLVD. SUITE 310
KENNER, LA 70062

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 10/1/1990
Last Report Filed: 9/4/2024
Type: Business Corporation

Registered Agent(s)

Agent: MICHAEL CHOPIN
Address 1: 2400 VETERANS MEMORIAL BLVD. SUITE 310
City, State, Zip: KENNER, LA 70062
Appointment Date: 10/2/2023

Officer(s) **Additional Officers: No**

20. Certifications/Licenses:

Officer:	MICHAEL CHOPIN
Title:	President, Director
Address 1:	2400 VETERANS MEMORIAL BLVD. SUITE 310
City, State, Zip:	KENNER, LA 70062
Officer:	BRUCE BADON
Title:	Secretary, Director
Address 1:	2400 VETERANS MEMORIAL BLVD. SUITE 310
City, State, Zip:	KENNER, LA 70062

Amendments on File (8)

Description	Date
Disclosure of Ownership	6/28/1995
Disclosure of Ownership	4/25/1997
Domicile, Agent Change or Resign of Agent	7/15/1997
Disclosure of Ownership	6/16/2003
Domicile, Agent Change or Resign of Agent	8/21/2008
Disclosure of Ownership	8/23/2012
Disclosure of Ownership	9/13/2018
Appointing, Change, or Resign of Officer	2/17/2022

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Self-Certification demonstrating the status of Burk-Kleinpeter, Inc. as a Small Business

Are you a small business eligible for government contracting?

541330 Engineering Services	Small Business Size Standards $16,500,000 annual revenue	YES
Exception #1 Military and Aerospace Equipment and Military Weapons	Small Business Size Standards $41,500,000 annual revenue	YES
Exception #2 Contracts and Subcontracts for Engineering Services Awarded Under the National Energy Policy Act of 1992	Small Business Size Standards $41,500,000 annual revenue	YES
Exception #3 Marine Engineering and Naval Architecture	Small Business Size Standards $41,500,000 annual revenue	YES

Results derived from the "Measure My Business" tool at www.sba.gov/size demonstrating that Burk-Kleinpeter,Inc. is a "small" business according to the SBA standard for our industry (NAISC codes).

20. <u>Certifications/Licenses:</u>

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank**.

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

Charles Brewer

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 11/18/2022 — ATSSA *Instructor Name*

Exp. Date 11/17/2026 — *Instructor Signature*

State Issued LA

A1000112965 — Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Tim Brewer
has attended
Traffic Control Supervisor-LA State Specific
Training Course

11/30/2022 to 11/30/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither guarantees employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

Matthew Estopinal

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 4/25/2022 — ATSSA *Instructor Name*

Exp. Date 4/24/2026 — *Instructor Signature*

State Issued LA

A1000058046 — Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matthew Estopinal
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither guarantees employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Phillip Dowden
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 11/21/2022
Exp. Date 11/20/2026
State Issued LA
ATSSA
Instructor Name
Instructor Signature
A1000113019
Verify at Flagger.com


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Phillip Dowden
has attended
Traffic Control Technician-LA State Specific
Training Course
11/29/2022 to 11/29/2026
Training Valid Through
Director of Training
Baton Rouge, LA
Location
President, CEO
ATSSA
American Traffic Safety Services Association ATSSA.com


ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association
This is to affirm that
Colby Mire
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Issue Date 3/23/2022
Exp. Date 3/22/2026
State Issued LA
ATSSA
Instructor Name
Instructor Signature
A1000054474
Verify at Flagger.com


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Colby Mire
has attended
Traffic Control Supervisor-LA State Specific
Training Course
5/12/2021 to 5/13/2025
Training Valid Through
Director of Training
Baton Rouge, LA
Location
President, CEO
ATSSA
American Traffic Safety Services Association ATSSA.com

ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

John Burleigh

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/1/2022
Exp. Date 2/28/2026
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000053383 Verify at Flagger.com

ATSSA
SAFER ROADS SAVE LIVES
American Traffic Safety Services Association

This is to affirm that

James Koontz

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/17/2022
Exp. Date 3/16/2026
State Issued LA

ATSSA
Instructor Name
Instructor Signature

A1000054194 Verify at Flagger.com

ATSSA
Safer Roads Save Lives

Temporary Certification

Erick Kidder

for the successful completion of

Flagger

27-OCT-2023
Expiration Date:
26-OCT-2027

ATSSA CERTIFIED

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

American Traffic Safety Services Association
ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Duke Koontz
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA
SAFER ROADS SAVE LIVES

American Traffic Safety Services Association

This is to affirm that

Charles Young

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER ATSSA

Issue Date 3/17/2022

Exp. Date 3/16/2026

State Issued LA

Instructor Name

Instructor Signature

A1000054195

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Charles Young
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

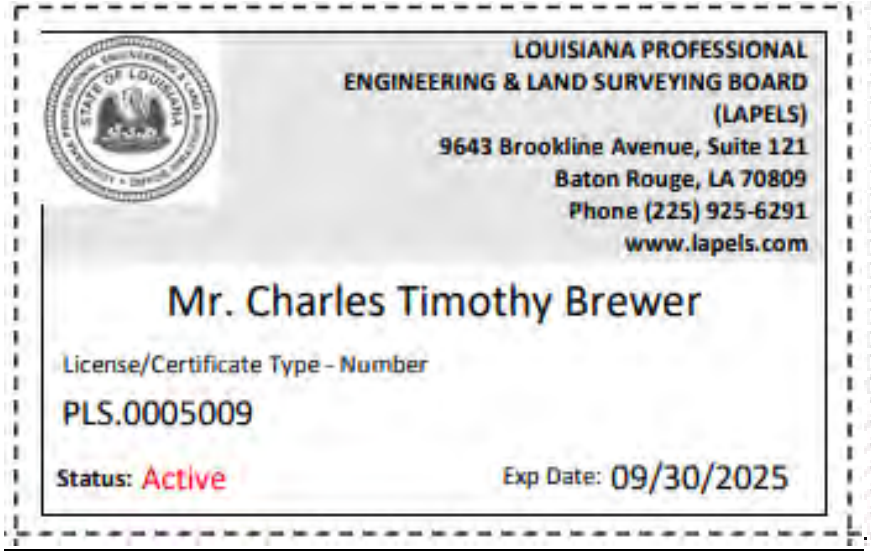
Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com



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

Mr. Charles Timothy Brewer

License/Certificate Type - Number

PLS.0005009

Status: Active

Exp Date: 09/30/2025

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

PE.0039151

Status: Active

Exp Date: 03/31/2027

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

Status: Active

Exp Date: 03/31/2027

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

Mr. Colby Robert Mire

License/Certificate Type - Number

PLS.0005308

Status: Active

Exp Date: 09/30/2025

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
SJB GROUP, L.L.C.	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: SJB GROUP, L.L.C.
Charter Number: 36063779K
Registration Date: 12/2/2005
Domicile Address
5344 BRITTANY DRIVE
BATON ROUGE, LA 70808
Mailing Address
C/O MATTHEW ESTOPINAL
5344 BRITTANY DRIVE
BATON ROUGE, LA 70808

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 12/2/2005
Last Report Filed: 12/20/2024
Type: Limited Liability Company

Registered Agent(s)

Agent: MATTHEW ESTOPINAL
Address 1: 5344 BRITTANY DRIVE
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 4/17/2023

Officer(s)

Additional Officers: No

Officer: MATTHEW ESTOPINAL
Title: Manager, Member
Address 1: 5344 BRITTANY DRIVE
City, State, Zip: BATON ROUGE, LA 70808

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

Name:	Public Address:
SJB Group, LLC	5344 Brittany Drive Baton Rouge, Louisiana 70808

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000390	Active	01/14/1997	03/31/2027	Mr. Matthew Samuel Estopinal # PLS.0004955

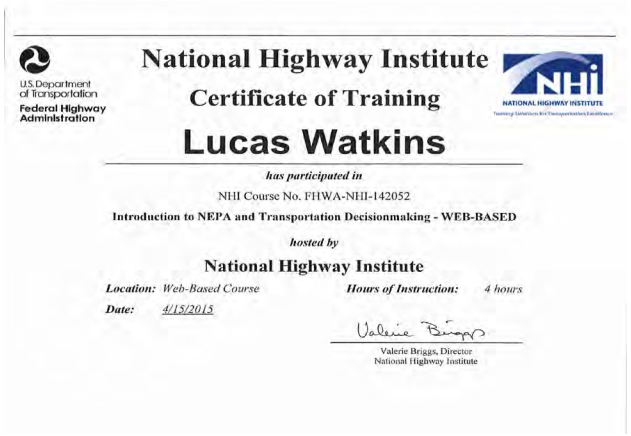
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
SJB Group, LLC	5344 Brittany Drive Baton Rouge,

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002119	Active	01/14/1997	03/31/2027	Mrs. Karen McCormick Kennedy # PE.0028547

20. Certifications/Licenses:



National Highway Institute

Certificate of Training

Lucas Watkins

has participated in

NHI Course No. FHWA-NHI-142052

Introduction to NEPA and Transportation Decisionmaking - WEB-BASED

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *4 hours*

Date: *4/15/2015*

Valerie Briggs, Director
National Highway Institute

National Highway Institute

Certificate of Training

Lucas Watkins

FHWA - NHI Course No. 142005

NEPA and the Transportation Decision-making Process (3 Days)

LA DOTD/LTRC

Date: December 8-10, 2015 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Local Coordinator

Valerie Briggs, Director
National Highway Institute

ASSOCIATION OF STATE

FLOODPLAIN MANAGERS, INC.

CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Cory Michael Ricks, CFM

IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-13-13001, ISSUED 2/5/2013 THIS CERTIFICATE SHALL EXPIRE 7/31/2026, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, ROGER LINDSEY, P.E., CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM

ASFPM CFM CERTIFIED

Wetland Training Institute

This certifies that

Cory Ricks

has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(c) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, Louisiana

On September 11-15 (40 hours) 17

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Basile Dardar
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

THIS CERTIFICATE IS PRESENTED TO

Basile Dardar

For their attendance at the
Bat Acoustic Identification Workshops:

Online September 5-6, 2024

Echo 101/ Best Practices
The Acoustic ID of Eastern Bats

PRESENTED BY VESPER BAT DETECTION SERVICES

September 11,2024

FAA Aviation Safety

Certificate
of Achievement

This is to certify that

Michael Lane Hill JR

has successfully completed the
FAA Safety Team Aviation Learning Center Online
Course

Part 107 Small Uas Recurrent

Course Number ALC-677
Presented by FAASTeam
October 12, 2023

Certificate Number 1453428-20231012-00677

20. Certifications/Licenses:

(https://www.sos.la.gov/Pages/default.aspx)

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Name	Type	City	Status
ELOS ENVIRONMENTAL, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

Previous Names

Business: ELOS ENVIRONMENTAL, LLC
Charter Number: 45643772Q
Registration Date: 10/19/2023

Domicile Address
1209 ORANGE ST
WILMINGTON, DE 19801

Mailing Address
607 W MORRIS AVE
HAMMOND, LA 70403

Principal Business Office
607 W MORRIS AVE
HAMMOND, LA 70403

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
607 W MORRIS AVE
HAMMOND, LA 70403

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 10/19/2023
Last Report Filed: 9/20/2024
Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent:	C T CORPORATION SYSTEM
Address 1:	3867 PLAZA TOWER DR.
City, State, Zip:	BATON ROUGE, LA 70816
Appointment Date:	10/19/2023

Officer(s) **Additional Officers: No**

Officer:	KEFALARI MASONF
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	DIRK APPLEGATE
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	LUCAS WATKINS
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	JAY PRATHER
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403

Amendments on File

No Amendments on file

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21. QA/QC Plan:

Quality Control/Quality Assurance Plan

for

Contract No. 4400030644

Off-System Highway Bridge Program

North Achord Rd Over Drainage Bayou

H.015977.5

District 61

Prepared by

BKI BURK-KLEINPETER, INC.

ENGINEERING · PLANNING · ENVIRONMENTAL

For

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

April 10, 2025

Quality Control/Quality Assurance Plan

Contract No. 4400030644

Contents

Key Personnel

Quality Control/Quality Assurance Plan

Contract No. 4400030644

Project Manager: Andrew Jensen, P.E.

Engineer of Record: René A. Chopin, III, P.E.

Reviewer: Michael D. Chopin, P.E.

Designer/Design Checkers*:

Andrew Jensen, P.E.	Responsible for the project management and road design
René A. Chopin, III, P.E.	Responsible for road and bridge design oversight
Rebecca Chopin, P.E.	Responsible for bridge design
Fares Tannous, PH.D., P.E.	Responsible for bridge design
Bailee Hurm, E.I.	Responsible for road and bridge design
David Boyd, P.E.	Responsible for hydraulics and hydrology oversight
Renée Poole, P.E.	Responsible for hydraulics and hydrology

*EI design work must be checked by a registered P.E.

Detailers/Detail Checkers:

George Vega	Lead CAD Technician
Shelby Galatas	CAD Drafter

Hydraulic Engineer: David Boyd, P.E.

Quality Control/Quality Assurance Plan

for

Contract No. 4400030644

Off-System Highway Bridge Program

North Achord Rd Over Drainage Bayou

H.015977.5

District 61

1. Introduction

In order to improve the quality of the structural designs, roadway plans, plans for bridges, and other structures required for the project, Burk-Kleinpeter, Inc. (BKI) has established this QC/QA plan document for the project. This QC/QA plan shall be adhered to for all design activities in both the design phase and the construction support phase of the project. **All submittals to the LADOTD shall include a QC/QA Certification stating that the submittal has been prepared in accordance with this QC/QA plan** (see Appendix A).

BKI is responsible for fully checking all of our work and of our sub-consultants. The review of all designs and checking of plans, calculations, specifications, and estimates should meet the standard of care performed by the LADOTD's Bridge Design and Road Design Sections. This QC/QA plan complies with the minimum requirements set in the "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendation (H-017)" (FHWA/AASHTO Guidance) published by FHWA and AASHTO August 2011 and the LADOTD Bridge Design and Evaluation Manual, Part I – Policies and Procedures, Chapter 3 Policy for QC/QA. This plan shall also address the Road Design 100% Preliminary QA/QC Review Checklist (appendix M) and the Road Design Final QA/QC Review Checklist (appendix N) items applicable to the project.

2. Definitions and Abbreviations

Quality Control (QC) - The act of reviewing and checking the design, the calculations, and the plans for accuracy and consistency. Review consists of verifying general conformance of the design with the project objectives and DOTD's policies. Checking consists of detailed verification of design and details. QC shall be thorough, appropriate to the project in order to detect and correct design omissions and errors before the plans are finalized and verify the designs and details for the load-carrying members are adequate for the service and operation loads. All steps of the QC procedure shall be documented.

Quality Assurance (QA) - The steps needed to verify quality. This is a defined set of procedures to be carried out at the management and senior technical levels with measurable and verifiable actions to ensure that quality procedures are in place and effective in preventing mistakes, and consistency in the development of roadway plans, bridge design plans, and specifications.

Designer – The designer must be licensed by the State of Louisiana as a professional engineer or an engineer intern, who is responsible for the development of design calculations, drawings, special provisions including Non-Standard items, and cost estimate.

Detailer – The detailer is an individual directly responsible for the creation of CAD drawings under the supervision of the designer in accordance with LADOTD Software and Deliverable Standards for Electronic Plans document and LADOTD CAD Standards.

Design Checker – The design checker must be licensed by the State of Louisiana as a professional engineer or an engineer intern, who is responsible for performing a full technical review of the design calculations, drawings, special provisions including Non-Standard items, and cost estimate. ***The design checker must be licensed by the State of Louisiana as a professional engineer if the designer is an engineer intern***. The design checker shall not be the same individual who performed the original design.

Detail Checker – The detail checker can be a designer or a detailer, who is responsible for performing a full review of the CAD drawings. The detail checker shall not be the same individual who developed the original details.

Reviewer – The reviewer must be licensed by the State of Louisiana as a professional engineer and must have substantial experience in the design of similar roadways and structures as those of the project. This individual is responsible for performing QA procedures for assuring that the QC processes have been performed and are complete and the design calculations, drawings, special provisions, and cost estimate are in accordance with LADOTD Road Design and Bridge Design practices, policies, and procedures.

Engineer of Record (EOR) – The EOR is a licensed professional engineer in the State of Louisiana meeting or exceeding the minimal experience requirements in the design of similar roadways and structures to those of the project, who is responsible for the supervision and/or preparation of plans, sealing calculations, plans and special provisions for all roadways, bridges, and other structures for the project.

3. QC/QA Process

Step 1: Designation of a Qualified Design Team

BKI's President, Michael D. Chopin, P.E. will assign a Project Manager (PM) who will also function as the EOR for the project. The PM will select the design team from qualified BKI personnel and enlist the services of qualified sub-consultants to fulfill technical roles outside of BKI's area of expertise. The design team members and sub-consultants shall meet or exceed the minimum personnel requirements as prescribed in the LADOTD Request for Qualifications (RFQ) for the project.

The PM is responsible for assigning the team members responsibility for specific design and detailing activities. The PM is also responsible for assigning team members for QC of the work performed. BKI's President will act as the Reviewer and or designate other qualified personnel (not performing design and detailing on the project) for QA procedures.

The project team was identified in BKI's Statement of Qualifications SF24-102. The latest Key Personnel assigned to the project are listed under the Key Personnel section of this plan. BKI will ensure that the original team members shown of SF24-102 are utilized. If a need arises for change in personnel, the replacement staff member(s) credentials shall meet or exceed those of the original staff member(s) to be replaced. All replacement personnel must be approved by LADOTD's Bridge Task Manager for bridge design and the Roadway Task Manager for road design.

Step 2: Design Kick-off Meeting and Pre-Design/Planning Meeting Report

Prior to the Design Kick-off meeting with the LADOTD, BKI will complete a draft BKI Pre-Design/Planning Meeting Report (see Appendix B). This meeting report will help facilitate discussion of LADOTD's Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist (see Appendix C).

The BKI Pre-Design/Planning Meeting Report will be updated based on discussion from the Design Kick-Off Meeting and distributed to the Bridge Task Manager, Roadway Task Manager, and BKI management.

Step 3: Development of Project Design Criteria

BKI will develop design criteria for the project covering at a minimum the LADOTD Design Criteria Checklist (see Appendix D). Prior to beginning any design work, BKI will submit the design criteria to the Bridge Task and Roadway Task Managers for approval. Upon approval BKI will adhere to the established design criteria. Any changes to the design criteria during the course of the project will be documented and a current list of the criteria shall be maintained at all times. Any design assumptions made or design exemptions obtained shall be listed in the design criteria and referenced in the design calculations and drawings as appropriate.

The EOR will create the Status of Drawings and Other Submittals Form (see Appendix E) for each milestone submittal. This form is to be updated weekly and a current copy kept with a full set of the latest design drawings to date. This form and the drawing set helps the EOR track the progress of the project along with coordinating sub-consultants from start to finish.

Step 4: Development of Designs and Plan Details by the Designer and the Detailer

The next item of work to follow the establishment of design criteria is to determine the bridge type, size and location (T, S & L). The T, S & L will be submitted to the Bridge Task Manager for approval prior to BKI commencing with any design of structural components. During the design process the designer must follow the design criteria established for the project. The designer is responsible to communicate his design information to the drawings by closely supervising the detailer. The drawings must adequately and accurately present the design information. Both the designer and the detailer shall check their own work prior to submitting it for QC.

All design calculations shall be organized and maintained in a standard calculation book format. At a minimum the final calculation book shall contain the items listed on the LADOTD Final Calculation book Checklist (see Appendix F).

Step 5: Quality Control of Designs and Plan Details by the Design Checker and the Detail Checker

The design check process verifies the accuracy of the designer's calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. This can be accomplished in one of two methods by the design checker; a redline check of the designers calculations or by producing an independent set of calculations and comparing the results. The PM shall determine the method to be utilized based on the complexity of the design element

being checked. The designer's calculations are the calculations of record and the original calculations must be updated to correct any errors or omissions found by the design checker. The updated set of calculations shall be verified by the design checker and then initialed in the checked by block. If an independent set of calculations is produced, these also will become part of the calculations of record. In addition to checking the design calculations, the design checker shall ensure that the drawings adequately and accurately present the design information.

During the detail check process, the detailer must ensure that the drawings are in accordance with the design information, the LADOTD Software and Deliverable Standards for Electronic Plans document and the LADOTD CAD Standards. All dimensions and quantity calculations must be verified. BKI utilizes a color-coded marking procedure for the QC of drawings (see Appendix G).

The checking process may begin at the completion of the entire design/detail process or may check components of the designer/detailer's work as it is completed. Likewise, the checker may provide feedback at the completion of the entire checking process or as each component of check is completed. On large complex projects with many different design elements of similar nature a check of the first designs and details of the elements will be performed in order to minimize repeated errors and corrections. Subsequent designs and details of the remaining elements will still be checked in full accordance with the QC processes.

Any discrepancies that arise shall be resolved between the designer/detailer and the checker, and the calculations and plans corrected accordingly. If the designer/detailer and the checker are unable to resolve their discrepancies, the issue shall be brought to the attention of the PM for a decision on resolution. Significant issue resolution that cannot be resolved at this level will be resolved by BKI's President.

The design and detail check shall be considered complete when the designer, design checker, detailer, and detail checker are satisfied with the state of the design calculations, drawings, special provisions, and cost estimate. The design and detail check shall be completed no later than the 95% Final Plans stage. Upon completion of the checking the designer will prepare a QA information package, which includes the documents listed below, and providing the package to the reviewer to perform quality assurance.

- QA Information Package Checklist (see Appendix H)
- Calculation book
- Plans
- Special Provisions including Non-Standard items

- Cost estimate
- Any relevant documents, such as checklists, review comments, etc., utilized by the designer, design checker, detailer, and detail checker

Note: If design revisions are required after the QA information package has been submitted, the reviewer must be notified of such revisions and supplied with the revised information.

Step 6: Quality Assurance of Designs and Plan Details by the Reviewer

The reviewer shall perform a cursory review of all documents in the QA information package submitted by the designer. This review should focus on constructability of the plan details; areas of critical structural importance; areas where based on the reviewer's experience, mistakes may typically be found; and areas that may be new to the design practice. The reviewer at their discretion can produce independent calculations to verify submitted information. The reviewer shall provide feedback to the designer and resolve all issues. The QA process must be completed no later than the 98% Final Plans stage. The design calculations, plan details, special provisions, and cost estimate shall be considered final when the QA process is complete. The QC/QA Certification (see Appendix I) shall be signed by the designer, design checker, detailer, detail checker, and reviewer. On more complex projects, Appendix I shall be supplemented with QC/QA Certification of the Status of Bridge Design Calculations (Appendix I.1) and the Status of Drawings and Others Deliverables Form (Appendix E). The Status of Bridge Design Calculations shall be signed by the designers and design checkers. The Status of Drawings and Other Deliverables shall be signed by the designers, design checkers, detailers, and detail checkers.

Step 7: Peer Review

For complex projects a peer review may be requested by the LADOTD. Peer review shall be performed by an independent engineering entity with no prior involvement in the project. ***Peer review of any BKI products cannot be performed by an employee of BKI***. At the discretion of the LADOTD Bridge Task Manager the peer review of certain elements may be performed by a qualified sub-consultant. The peer reviewer must be licensed by the State of Louisiana as a professional engineer and must have substantial experience in the design of similar structures under review. The peer review comments must be submitted to LADOTD and BKI for evaluation. Resolutions agreed upon by all parties including the designer, peer reviewer, and LADOTD shall be incorporated into the final design. A Peer Review Resolution Agreement (see Appendix J) shall be signed by the peer reviewer, the PM and the LADOTD Bridge Task Manager. Depending on the scope of the review, peer reviews are typically performed between the 60% to 98% Final Plan stages.

Step 8: Sealing of Design Calculation Book and Plans by the Engineer of Record and BKI President

The responsibilities of the EOR are as follows:

- Ensure that the QC/QA certification is signed by all responsible parties.
- Ensure the geotechnical design information shown on bridge plans is co-stamped by a Geotechnical Engineer and the hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer.
- Ensure that all drawings developed by sub-consultants are stamped by the appropriate engineer(s).
- Assemble the final calculation book and seal the cover sheet of the calculation book. The calculation book is to contain all calculations from all designers, sub-consultants, the final geotechnical analysis report stamped by the geotechnical engineer, and the final hydraulic report stamped by the hydraulic engineer.
- Ensure that the title block on each plan sheet has the names of the designer, design checker, detailer, detail checker, and reviewer correctly shown. Stamp all plan sheets developed under the EOR supervision. ***The EOR shall stamp the General Notes Sheet(s)***. Ensure that any sheets developed under the supervision of others is stamped by the designated designer, design checker, or reviewer licensed by the State of Louisiana as a professional engineer.
- Ensure that all special provisions developed by BKI and BKI's sub-consultants are accurate for inclusion in the construction proposal. The EOR will stamp the special provisions developed by BKI and BKI's sub-consultants. The EOR will submit the special provisions to the LADOTD Bridge Task and Roadway Task Managers.

The responsibilities of the BKI President are as follows:

- The BKI President or his designee shall stamp the title sheet when the stamped final plans are ready for submittal to the LADOTD Bridge Task Manager.

Step 9: QC/QA for Design Activities after Final Plans are Signed by the LADOTD Chief Engineer

BKI will use the same QC/QA process utilized for the design documents for all activities such as plan revisions, change orders, etc. occurring after the final plans have been signed by the LADOTD Chief Engineer.

Step 10: Archiving Bridge Design Files

The EOR is responsible to submit the following documents to the LADOTD Bridge Task Manager:

- Stamped Final Plans
- Stamped Special Provisions
- Cost Estimate
- The following will be submitted electronically by CD or Flash Drive or placed in a designated ProjectWise folder:
    - A PDF File of the Calculation Book
    - All Electronic Design Files
    - A PDF File of the As-Designed Rating Report Only
- Any revisions made to the above listed documents due to plan revisions and/or change orders along with the appropriate signed plan revisions or change order sheets.

BKI will retain these documents until five (5) years past Final Project Acceptance by the LADOTD.

4. Software

BKI will make every effort to utilize the LADOTD Bridge Design Section pre-approved software listed on the website. If any other software is required for any applications the pre-approved software cannot be used, BKI will seek approval from the Bridge Task Manager prior to the use of the software. A Software Approval form (see Appendix K) will be submitted with the request to the Bridge Task Manager.

All commercially available software and spreadsheets developed for design shall be validated and documented as follows:

- A hand calculation with the same formulation or parallel technique must be documented and checked in accordance with Step 5 of the QC/QA Process. Checked calculations from a previous project or the input and output from a validated program may be substituted for original hand calculations.
- The same input and assumptions utilized in the hand calculations are formatted and input in to the computer to check the software.
- The computer output is compared to the hand calculation results with each corresponding answer annotated as equivalent values. Any differences not accountable to rounding are to be explained on the output sheet.

- Complete documentation of the software validations are to be maintained by the PM. Documentation should include the Software Verification Form (see Appendix L), fully checked calculations, checked computer input, printout of program when available, and annotated output printout.

Commercially available programs, which come with validation documentation, are acceptable if project personnel review the documentation and determine that it conforms to the standards set forth herein and note as such on the Software Verification Form.

Appendix A
Consultant Submittal QC/QA Certification

Contract No.:
Project Name:

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

_____
Submittal Description

_____	_____	_____
Supervisor or Team Leader Name	Signature	Date

BURK-KLEINPETER INC.

Pre-Design / Planning Meeting Report

(form revised 08/01/2022)

Meeting

Meeting Date: -

Participants: Names…

Project and Phase Descriptions

Project Name: Project Name

Client: Client Name

BKI Project No.: -

BKI Phases:

Phase	VP	Description
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Project Description:
(Standard Description from Market Data)

Standard Description…

Scope (attachment): See attached contract Scope of Work

Staff Assignments

Vice Presidents	Project Manager	Other	Other
	-	-	-

Professional Staff *	Name	PM / VP	Project Responsibility
1	-	-	-
2	-	-	-
3	-	-	-
4	-	-	-
5	-	-	-
6	-	-	-
7	-	-	-
8	-	-	-
9	-	-	-
10	-	-	-

*In addition to Primary PM

Comments No comment

Contract

Contract Type -

Execution Date -

Expiration Date -

Comments No comments

Budget

Budget by Phases*	Phase	Payment Type	Description	Amount
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
			BKI BUDGET TOTAL	**$0**

* (includes ODCs)

Comments: No comments

Subcontractors:	Phase	Firm	Description	Amount
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
-	-	-	-	$0
			SUBCONTRACTOR TOTAL	**$0**

Comments: No comments

ODCs: (included in Budget by Phases, above)	Phase	VP	Description	Amount
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
	-	-	-	$0
			ODC TOTAL	**$0**

Comments: No comments

BKI Fee: $ - (without subs)

Total Compensation: $ - (with subs)

Schedule (attachment)

Start Date: -

Completion: -

Comments: No comments

(Attach a detailed bar chart showing projected deadlines by task, and 30%, 60%, and 90% completion milestones.)

Design Criteria

Describe any special Design Criteria which may be applicable to this project:

Design Criteria…

QA / QC Plan

Describe staff skill levels required and assigned, the appointment of a Quality Manager for this project, appointment of peer reviewers, and the peer review process and schedule (including milestones):

QA / QC Plan…

Business Development Opportunities

Describe the business development opportunities that should be anticipated during or at the conclusion of this project:

Business Development opportunities…

Political Considerations

Describe any political aspects that should be taken into consideration during or following this project:

Political Considerations…

Project Closeout

Projected Date -

Closeout Comments Closeout comments…

Other Comments and Considerations

Other comments…

Marketing Data (attachment)

Attach a copy of the Marketing Data Report. Please note that the Pre-Design Meeting Report is based upon the Project as a whole, incorporating all Phases (using input from the Marketing Data sheet). Additional Market Data Reports may be submitted to Marketing to cover speciliazed work on individual Phases, but those shall be considered supplemental to the main Project-level Marketing Data Report.

Project Highlight Sheet (attachment)

Attach a preliminary version of a Project Highlight Sheet that incorporates the above data for the Project as a whole, and any graphics/photos that may be appropriate. Get with the Marketing Dept. in regard to preparation prior to the Pre-Design Meeting. Additional Project Highlight Sheets may be prepared for specialized work on individual Phases, but those supplemental Highlight Sheets will require additional Marketing Data.

Project Concurrence

Prepared by: -

Date of Report: -

Concurrence:

VP Signature: _____ (Project Manager)

_____

Approvals

Chief Eng. Approval R. Chopin _____

Date _____

Finance Dept. D. Vegh _____

Date _____

Attachments

1	Scope of Work(contract, TO, etc…)
2	Manhour & Budget Breakdown(project creation & phase forms)
3	Bar Chart Schedule
4	Marketing Data Report
5	Project Highlight Sheet (preliminary)

Copies to:

All meeting participants

Mike, Debbie, Rene, Alaina

Appendix C
Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist

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

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

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

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

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

__ Discuss Design Criteria

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

Appendix D
Design Criteria Checklist

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

__ **Cover sheet**

The following information must be included on the cover sheet:

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

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

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

__ **Design Assumptions and Design Exceptions**

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

__ **General Information**

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

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

__ **Hydraulic Design Criteria**

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

__ **Design Factors**

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

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

__ **Limit States**
All applicable limit states for this project shall be listed in this section.

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

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

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

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

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

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

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

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

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

__ **Geotechnical Design**

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

__ **Mechanical Design**

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

__ **Electrical/Lighting Design**

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

__ **As-Designed Bridge Rating Criteria**

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

__ **Software**

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

Contract No.
Project Name:
Project Number:
District:

BKI NO.XX.XXX
DATE:

Legend:

Bold	New for Final Plan Set
	Required for this Submittal
	Drawing Created
	Ready for Q/C
	Included In Submittal (Info Only, not QC'd)
	Complete (QC'd)

This list of deliverables will be tailored for each SP No. once scope is finalized.

Status of Drawings & Other Deliverables for _____ Plans (__% Submittal)

Sheet No.	Sheet Title	Drawing (*.dgn)	Designer	Design Checker	Detailer	Detail Checker	Remarks	Due @ Submittal(s)
	ROADWAY PLANS							
1	Title Sheet and Layout Map	001_TITLE						
1a	Index							
1b	Project Layout							
2	Typical Roadway Sections							
3	Summary of Estimated Quantities Sheets							
	Quantity Summary Tables							
	PLAN-PROFILE							
4	Plan-Profile							
	Reference Points and Bench Mark Elevation							
	DRAINAGE							
	Existing Drainage Map							
	Design Drainage Map							
	Summary of Drainage Structures							
	SPECIAL DETAILS							
	TBD							
	GEOMETRICS							
	Geometric Control Layout							
	Geometric Control Tables							
	Curve Data							
	Geometric Layout							
	Geometric Details							
	MISCELLANEOUS ROADWAY PLANS							
	Pavement Marking Layout							
	Sugg. Seq. Const. & Min. Sign							
	Detour Route							
	Signal Plans							
	Existing Sign Layout							
	Permanent Sign Layout							
	Sign Summary							
	Misc. Sign Details		DOTD					
	Temporary Erosion Control							
	LIGHTING PLANS							
	Lighting Plans							
	MIISCELLANEOUS SHEETS							
	Right-of-Way Limits							
	RIGHT-OF-WAY MAPS							
	Right-of-Way Maps							
	BRIDGE PLANS							
	Bridge Index							
	Bridge General Notes							
	Bridge Quantities							

Contract No.
Project Name:
Project Number:
District:

BKI NO.XX.XXX
DATE:

Legend:

Bold	New for Final Plan Set
	Required for this Submittal
	Drawing Created
	Ready for Q/C
	Included In Submittal (Info Only, not QC'd)
	Complete (QC'd)

This list of deliverables will be tailored for each SP No. once scope is finalized.

Status of Drawings & Other Deliverables for _____ Plans (__% Submittal)

Sheet No.	Sheet Title	Drawing (*.dgn)	Designer	Design Checker	Detailer	Detail Checker	Remarks	Due @ Submittal(s)
	General Bridge Plan							
	Typical Bridge Sections							
	Superelevation Diagram							
	Foundation Layout							
	Pile Data							
	Bent Details							
	Crash Wall Details							
	Framing Plan							
	Girder Details							
	Deck Details							
	Joint Details							
	Bearing Details							
	Approach Slab Details							
	Guardrail Details							
	Bridge Railing Details							
	Bridge Drainage Details							
	MISCELLANEOUS BRIDGE PLANS							
	Misc. Details							
	Special Details		DOTD					
	Standard Plans							
	Standard Plans		DOTD					
	CROSS SECTIONS							
	Cross Sections							
	OTHER DELIVERABLES							
	Design Criteria							
	Drainage Calculations							
	Cost Estimate							
	Bridge Alternate Study							
	Special Provisions							
	As-Designed Bridge Ratings							
	Final Bridge Calculations							

We, the undersigned designers, design checkers, detailers, and detail checkers for this project, have reviewed and accepted the drawings and deliverables denoted as complete. Other drawings and deliverables are in progress as indicated above for this submittal. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

_____ _____

_____ _____

_____ _____

_____ _____

Appendix F
Final Calculation Book Checklist

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

__ **Cover Sheet**

The following information must be included on the cover sheet:

- LADOTD project number
- Project name
- The title of "Final Calculation Book"
- The EOR's seal with signature and date

__ **Final Calculation Book Check List**

__ **QC/QA Certifications**

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

__ **Design Criteria**

__ **Final Hydraulic Analysis Report from Hydraulic Engineer**

__ **Final Geotechnical Analysis Report from Geotechnical Engineer**

__ **Superstructure Design Calculations**

__ **Substructure Design Calculations**

__ **Quantity Calculations**

__ **Special Provisions/NS-Items**

__ **Construction Cost Estimate**

__ **As-Designed Rating Report**

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

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

__ **A PDF File of the Calculation Book**

__ **All Electronic Design Files**

__ **A PDF File of the As-Designed Rating Report Only**

Appendix G

COLOR-CODED MARKING PROCEDURES

For the "Detail Checking" of documents, the following color-coded marking procedure shall be used if the review / check document is used to document the procedure (i.e. the work product is marked up):

1. Correct information shall be highlighted in yellow to signify that the information has been subjected to review / check and is found to be correct.

2. Checker shall mark incorrect information in red for literal correction by the author (designer / detailer). Suggestions, comments and notes shall be written in clouded red.

3. Marked-up information shall be back-checked by the author and check-marked in green if he/she agrees.

4. Marked-up information about which the author disagrees with the reviewer / checker shall be resolved through discussion. If they are unable to reach an agreement, the Project Manager shall decide upon the resolution. Significant Issue resolution that cannot be resolved at this level will be resolved by the BKI Chief Engineer or his Designee (as applicable).

5. All marked-up and agreed upon / resolved information shall be corrected / incorporated into the original document by the author. After applying a procedure of self-checking, the detailer shall signify that the correction is complete by highlighting the marked-up information in yellow on the review / checking document and shall initial and date each sheet.

6. The corrections subsequently shall be verified by the author. He/she shall signify the proper correction by highlighting the marked-up information in blue over the yellow on the review / checking document and shall initial and date each sheet. The resultant color will be green.

COLOR - CODED MARKING PROCEDURES									
Step	Description	Checker	Designer	Detailer	Initial & Date	Color	Signifies Information Is:		
							Correct	Incorrect	Comment
1	Review	X				Yellow	X		
2		X				Red		X	
2		X				Red Cloud			X
3	Back - Check		X			Green "checkmark"	Agrees		
3			X			Green "X"	Disagrees		
4	Finalize		X		Yes	Resolve Disagreements			
5	CADD			X	Yes	Yellow	X		
6	**Verification**		X		Yes	Blue over Yellow = Green			

Appendix H
QA Information Package Checklist

Contract No.:
Project Description:

_____ Calculation Book

_____ Plans

_____ Special Provisions

_____ Cost Estimate

_____ Other Documents _____

Appendix I
QC/QA Certification

Contract No.:
Project Name:

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

Team Members	Name	PE Registration No.	Responsible Plan Sheets	Responsible Special Provisions	Construction Cost Estimate	Signature
Designers						
Design Checkers						
Detailers						
Detail Checkers						
Reviewers						
Peer Reviewer						
Geotechnical Engineer						
Hydraulic Engineer						
EOR						

Contract No.
QC/QA Certification of the Status of Bridge Design Calculations

Updated: 6/4/2020

= Progress
= Complete

__% _____ Plans Submittal

			Comments		
	Designer	Design Checker	Y/N	Resolved Y/N	Remarks
Deck Designs:					
Slab Span Designs:					
Girder Designs:					
Bearing Designs:					
Bent Designs:					
End Bent Designs:					
Pile Bent Designs:					
Approach Slab Designs:					

We, the undersigned designers and design checkers for this project, have reviewed and accepted the calculations denoted as complete. Other calculations and reviews are in progress as indicated above for this submittal. We certify that the work for which we are responsible has been completed in accordance with the LADOTD Bridge Design Section policy on QC/QA.

Appendix J
Peer Review Resolution Agreement

Contract No.:
Project Name:

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

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

Appendix K
SOFTWARE APPROVAL

Contract No.:

Project Name:

Note: Certification from the software developer must be attached stating that the software is maintained in accordance with the latest AASHTO LRFD Bridge Design Specifications. This completed form and the certification is to be submitted by the PM to the LADOTD Bridge Task Manager for approval.

Software Name:

Version Number:

Software Developer:

General Description of Software Functions:

Designer's Experience with the Software:

Other Organizations or Agencies Experience with the Software:

This Section to be completed by the LADOTD Bridge Task Manager

☐ APPROVED ☐ REJECTED

Comments:

_____ _____ _____ _____

BKI PM Date LADOTD Bridge Task Manager Date

Appendix L
SOFTWARE VERIFICATION

Contract No.:

Project Name:

Note: The Design Office is responsible for securing this form and having it filled out by responsible parties for each different computer program used in the design computations (including customized Excel Spreadsheets). The Designer shall sign & date this form and transmit it to the PM.

Computer Program Name:

Version Number: ☐ In-House ☐ Outside Project-Specific

Principal Use:

Limitations:

Description of Program Modifications:

Operating Systems Used for Program Verification:

Location of Verification Documentation:

Prepared by: _____ Date: _____

Checked by: _____ Date: _____

Approved by: _____ Date: _____

_____ _____ _____ _____
Designer Date Project Manager Date

ROAD DESIGN 100% PRELIMINARY PLANS QA/QC

Contract 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)	☐	☐	☐

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:_____

ROAD DESIGN FINAL PLANS QA/QC

Contract 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.	☐	☐	☐
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.	☐	☐	☐
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:_____

22. Sub-consultant information:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
SJB Group, L.L.C.	5344 Brittany Dr, Baton Rouge, LA 70808	Charles "Tim" Brewer, PLS, RF, PS, RPLS, RPP tim.brewer@sjbgroup.com	(225) 769-3400
ELOS Environmental, LLC	607 W Morris Ave Hammond, LA 70403	Lucas Watkins lwatkins@elosenv.com	(985) 662-5501

23. If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**