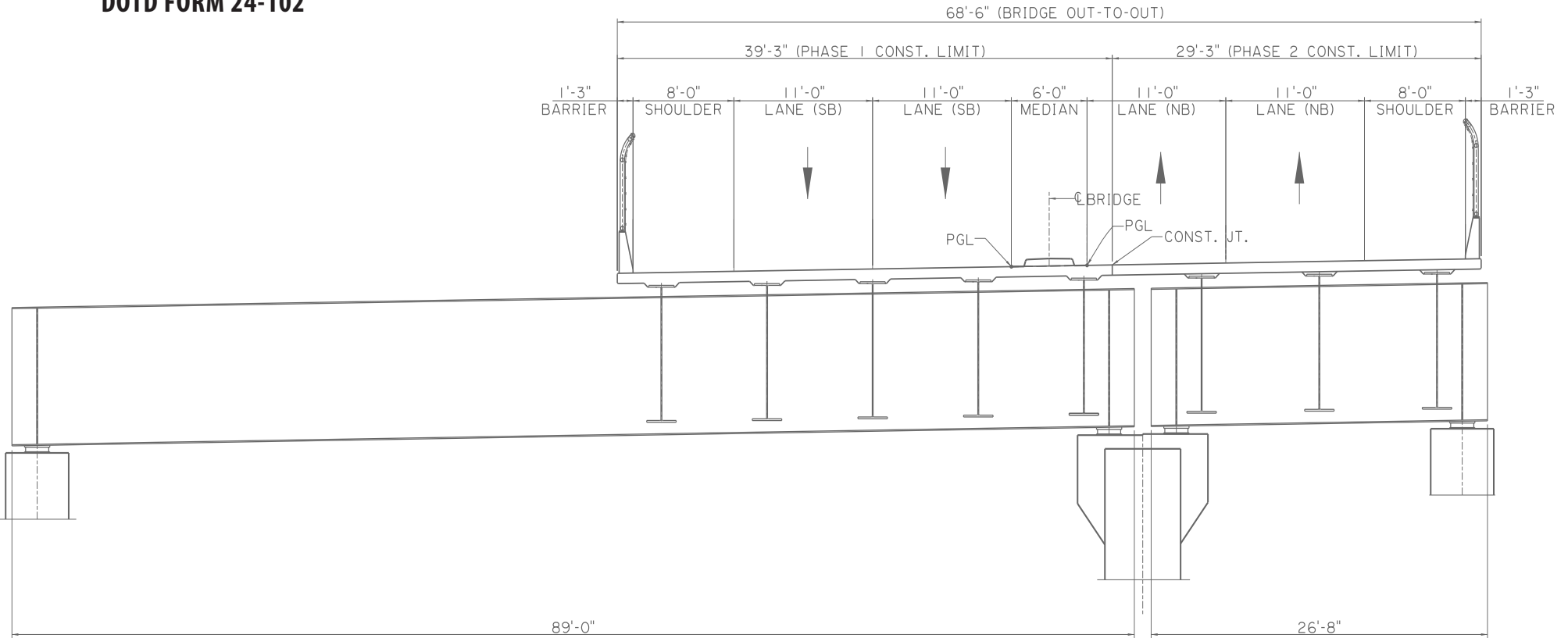




DOTD FORM 24-102



US 11 TYPICAL SECTION
MAIN SPAN BENT, FINAL CONFIGURATION

CONTRACT NO: 4400032800
STATE PROJECT NO: H.000688.5
FEDERAL AID PROJECT NO: H000688

US 11 Norfolk Southern RR Overpass (HBI) Route: US 11 St. Tammany Parish

PRESIDENT & CEO
MICHAEL D. CHOPIN, PE



SENIOR VICE PRESIDENTS
RENE A. CHOPIN, III, PE
HENRY M. PICARD, III, PE, PLS

CORPORATE SECRETARY
BRUCE L. BADON, AICP

BURK-KLEINPETER, INC.
ENGINEERING · PLANNING · ENVIRONMENTAL

VICE PRESIDENT
DAVID E. BOYD, PE

2400 VETERANS MEMORIAL BLVD., SUITE 310, KENNER, LA 70062
TELEPHONE (504) 486-5901
WWW.BKIUSA.COM

OVER 100 YEARS OF SERVICE

September 09, 2025

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

CONTRACT NO. 4400032800
STATE PROJECT NO. H.000688.5
FEDERAL AID PROJECT NO. H000688
US 11 NORFOLK SOUTHERN RR OVERPASS (HBI)
ROUTE: US 11
ST. TAMMANY PARISH

To Whom It May Concern,

In response to your request for qualifications for the above-referenced project, **Burk-Kleinpeter, Inc. (BKI)**, **Eustis Engineering, L.L.C. (Eustis)**, and **T. Baker Smith, LLC (TBS)** are pleased to submit our Statement of Qualifications.

Our team has the technical expertise to manage the project effectively and provide all necessary engineering and related services for line and grade studies and analysis, horizontal and vertical alignment, bridge design, bridge evaluation, project management, road design, hydraulic analysis, 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 Overpass projects and have acquired the expertise and knowledge to effectively reconstruct and widen US 11 from I-12 to US 190, including the replacement of the US 11 bridge over the Norfolk-Southern Railroad.**

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 US 11 Norfolk Southern RR Overpass project.

Sincerely,

A handwritten signature in blue ink, appearing to read "René A. Chopin, III, PE".

René A. Chopin, III, PE



KENNER • MANDEVILLE

Sections 01-13



**PROJECT -
CURVE 2 DATA**
P.I. STA. 110+44.26
 $\Delta = 34^{\circ}40'30.80''$
 $D = 3^{\circ}13'40.55''$
 $T = 554.13'$
 $L = 1074.22'$
 $R = 1775.00'$

H.008069
Jefferson Highway Rail Crossing Relocation
LA 1261
Jefferson & Plaquemines Parish
Design Engineer: BKL as Subconsultant


DOTD FORM: 24-102

Proposal to Provide Consultant Services

(Revised August 11, 2025)

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	US 11 Norfolk Southern RR Overpass (HBI) Route: US 11
2. Contract number(s) as shown in the advertisement	4400032800
3. State Project Number(s), if shown in the advertisement	H.000688.5
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)	
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. 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.

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.



Signature above shall be the same person listed in Section 9:

09/09/2025

Date:

Firm(s): N/A

Firm(s) %: N/A


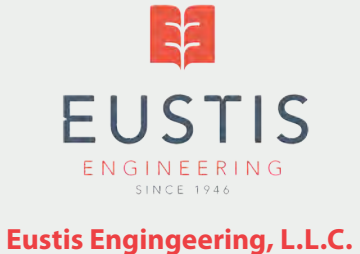
12. Past Performance Evaluation Discipline Table:

Discipline(s)	% of Overall Contract	BKI	TBS	Eustis	Each Discipline must total to 100%
Road	20%	0%	100%	0%	100%
Bridge	70%	100%	0%	0%	100%
Geotech	10%	0%	0%	100%	100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	70%	20%	10%	100%


13. Team 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: <https://bit.ly/DOTDJobClassifications>

Firm Name	DOTD Job Classification	Number of personnel <u>committed</u> to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
	Engineer	6	9
	Engineer Intern	1	1
	Supervisor - Engineer	2	2
	Principal	1	1
	Designer	0	1
	CADD Technician	2	3
	Inspector	0	3
	Principal	2	3
	Supervisor - Eng	2	11
	Engineer	1	4
	Engineer Intern	1	7
	Engineering-Aide	2	6
	CADD Technician	1	1
	Clerical	3	13
	Driller	1	6
	Geologist	1	2
	Inspector	6	15
	Inspector - Certified	1	1
	Other (Supervisor)	2	8
	Technician	3	6
	Senior Technician	3	6

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)
 T. Baker Smith, LLC	Supervisor - Eng	1	2
	Engineer	3	4
	Engineer Intern	2	3
	Senior Technician	1	2
	Environmental Manager	1	3
	Environmental Professional	1	3

***For evaluation purposes only**, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

Sections 14-16



SPN 700-26-0229

I-10 Causeway Interchange

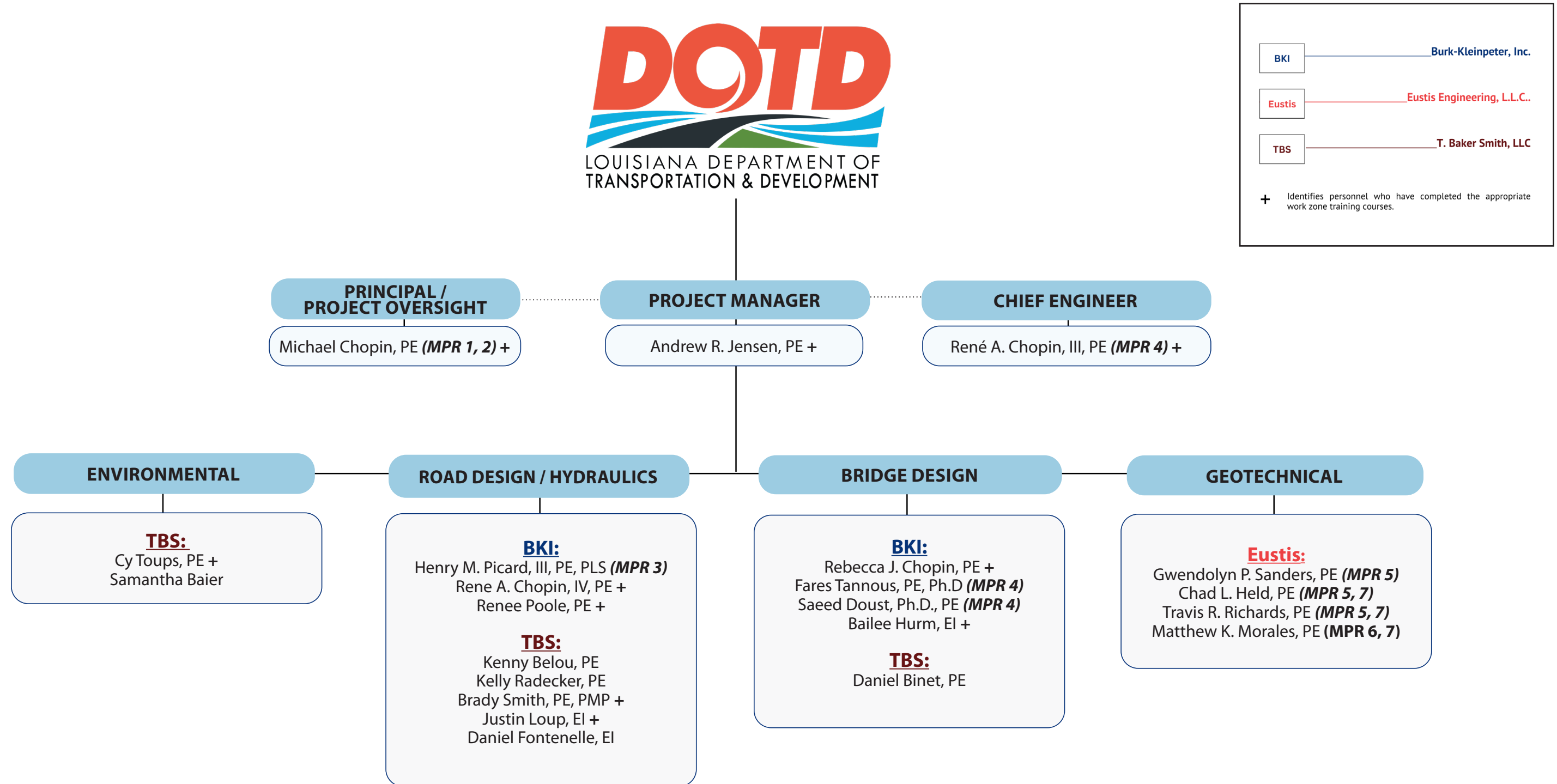
Jefferson Parish

Design Engineer: BKL

EOR: René A. Chopin, III, PE


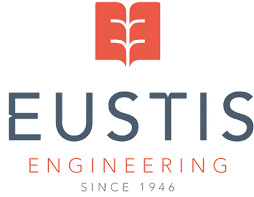
14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.




15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. <u>Do not insert wording from ad</u>	Personnel being used to meet the MPR <small>(Individual(s) may not satisfy more than one MPR unless specifically allowed by attachment B of the advertisement)</small>	Firm employed by	Type of license and discipline meeting MPR/ certification & number <small>(Ex: PE # - Civil)</small>	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
3.	Henry M. Picard, III, PE, PLS		PE / 22289 - Civil PLS / 4736	LA	3/31/2027 3/31/2027
4.	René A. Chopin, III, PE		PE / 25174 - Civil	LA	9/30/2025
4.	Saeed Doust, Ph.D., PE		PE / 38907 - Civil	LA	09-30-2026
4.	Fares E. Tannous, Ph.D., PE		PE / 47542 - Civil	LA	9/30/2025
5.	Gwendolyn P. Sanders, PE		 Eustis Engineering, L.L.C.	PE / 27104 - Civil	LA
5.	Chad L. Held, PE	PE / 30257 - Civil		LA	09/30/2026
5.	Travis R. Richards, PE	PE / 30992 - Civil		LA	03/31/2027
6.	Matthew K. Morales, PE	PE / 38211 - Civil		LA	9/30/2025
7.	Chad L. Held, PE	PE / 30257 - Civil		LA	09/30/2026
7.	Travis R. Richards, PE	PE / 30992 - Civil		LA	03/31/2027
7.	Matthew K. Morales, PE	PE / 38211 - Civil		LA	9/30/2025

16. Staff Experience:

Firm employed by: BKI BURK-KLEINPETER, INC.				
Name	Michael D. Chopin, PE	Years of experience with this firm/employer		34
Title	<i>Principal</i>	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 Civil Engineer	
Contract role(s) / brief description of responsibilities		MPR 1, 2		
<p>Principal / Project Oversight</p> <p>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 the roadway design, Mr. Chopin has extensive drainage design experience related to roadway drainage collection systems, watershed analysis, channel conveyance, and scour protection.</p>				
Highlights: LADOTD Standards & Specifications, Project Management, QA/QC, NEPA, 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).			
04/11 -12/26 (est) Project in Section 17	<p>Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA</p> <p>Project Principal. Providing oversight and quality assurance for preliminary and final plans of a new interchange on Earhart Expressway (LA 3139) at Causeway Blvd. (LA 3046). The 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, including at-grade roadways and bridge structures. Six of the eight movements operate under free-flow conditions, while two will function under signal-controlled conditions. The project enhances connectivity between major regional employment centers along the Earhart Expressway and Causeway Boulevard corridors.</p>			
08/87 - 08/00 Project in Section 17	<p>I-10 / I-610 Interchange Improvements - Orleans & Jefferson Parishes , LA</p> <p>Lead Drainage Engineer for modifying the existing subsurface drainage system. Specific design role on this project included the hydrologic and hydraulic analysis to the subsurface drainage collection system in accordance with both LADOTD and Sewerage and Water Board of New Orleans requirements.</p>			
08/87 - 08/05 Project in Section 17	<p>I-10 at Southern Railroad / Tulane Avenue Interchange - Orleans & Jefferson Parishes , LA</p> <p>Lead Drainage Engineer for the design of 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.</p>			

03/15 - Ongoing	<p>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.</p>
12/17 - Ongoing	<p>LA 466 / 5th Street Improvements - 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.</p>
04/18 - 02/25	<p>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.</p>
07/07 - 08/26 (est)	<p>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 both satisfying 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.</p>
08/20 - 02/19	<p>4th Street Extension (H.001413) - Gretna, LA Project Engineer/Manager. 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. Specific role on the project included the drainage design and establishing the roadway horizontal and vertical geometry. Provided overall project management for the completion of the plans and specifications.</p>
08/17 - 01/18 09/00 - 05/01	<p>Stumpf Boulevard Drainage Improvements - Stumpf Boulevard Right Turn Lane at Westbank Expressway - Gretna, LA Project Manger. 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. Managed the construction of new right turn lane (approximately 350 feet long) on Stumpf Blvd. for vehicles turning onto the Westbank Expressway service road.</p>
10/99 - 06/05	<p>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.</p>

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	<i>Chief Engineer</i>		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 Civil Engineer		
Contract role(s) / brief description of responsibilities Chief Engineer and Engineer of Record				MPR 4	
<p>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 girder spans supported on both pile bents, and column bents.</p> <p>Highlights: QA/QC, LADOTD Standards & Specifications, AASHTO Codes and Standards, Bridge Design, Road Design, Construction Sequencing, and Line & Grade Studies</p>					
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).				
01/13 - 12/26 (est) Project in Section 17	<p>Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Chief Engineer and EOR. Overseeing design and mentoring junior engineers for a new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046). Inspected and rated the existing bridges widened for the interchange according to the Load Resistance Factor Rating (LRFR) and made recommendations to address deficiencies for LADOTD’s review. Prepared framing plans for the new ramps, including 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. Reviewed the design calculations (LRFD) for the bridge decks, prestressed girders, curved steel plate girders, rolled steel girders (used for widening the Causeway bridges), cast-in-place slab spans (both straight and curved), column bents (hammerhead and multi-column), and pile bents with curtain walls. Conducted final quality control on roadway and bridge plans for the entire interchange. Also provided oversight of all design waivers and exceptions required for the project, along with estimated quantities, cost estimates, and special provisions.</p>				
06/00 - 06/13 Project in Section 17	<p>I-10 Causeway Interchange - Jefferson Parish, LA Project Manager and EOR. Responsible for converting a cloverleaf interchange into a direct and semi-direct connection. Performed the geometric design and layout for the entire interchange. Developed the TS&L for the five elevated ramps along with framing plans. Designed bridge decks, column bents, and prestressed girders (AASHTO Type III and BT-72). Three of the hammerhead column bents were designed for eccentric deadloads due to geometric constraints. Prepared selective demolition plans for the Causeway Blvd. overpass over Veterans Memorial Blvd., widened to accept tie-ins of new ramp structures. Prepared suggested construction sequence and traffic maintenance plans for the project. Was able to maintain all movements of the existing interchange with only one movement from northbound Causeway Blvd. to westbound I-10 requiring a detour. This detour was a minor movement and had a 3-month duration. Checked the design calculations (Standard Specifications) prepared by engineers under my supervision for the bridge decks, prestressed girders (AASHTO Type III and BT-72), 3-span continuous curved steel plate girders, 2-span continuous straight steel plate girders, cast-in-place slab spans (both straight and curved), column bents (both hammerhead and multi-column), and pile bents Also 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 attending monthly partnering meetings, shop drawings, submittal review, and answering RFIs.</p>				

<p>09/19 - 06/24</p> <p>Project in Section 17</p>	<p>Jefferson Highway Rail Crossing Relocation - Jefferson Parish, LA Chief Engineer / Project Manager. Responsible for overseeing the Engineering and Design QA/QC which includes review of engineering products (and environmental documentation).</p>
<p>08/87 - 08/00</p> <p>Project in Section 17</p>	<p>I-10 / I-610 Interchange Improvements - Orleans and Jefferson Parishes, LA Project Engineer for the line and grade study and conceptual plans of the alternatives for the Williams Blvd., Causeway Blvd., I-10/I-610 split, and the Metairie Road interchange. Responsible for geometric design, road design, during preliminary plans, and roadway and bridge design for final plans. This included the design of retaining walls, single column hammer head bents, and both single column inverted T-Beam and inverted T-Beam straddle bents.</p>
<p>08/87 - 08/05</p> <p>Project in Section 17</p>	<p>I-10 at Southern Railroad / Tulane Avenue Interchange - Orleans and Jefferson Parishes, LA Project Engineer for the line and grade study and conceptual plans of the alternatives for the Williams Blvd., Causeway Blvd., I-10/I-610 split, and the Metairie Road interchange, which became part of the planned construction of a new pump station designed to reduce flooding on I-10 at the NSRR Underpass. Responsible for suggested construction sequence, geometric design, and bridge design. Specific challenge for this project was widening I-10 moving ramps out in a tight area bounded by the railroad tracks on the east side and the Historic Metairie Cemetery on the west. The contractor, James Construction Group, did not deviate from the suggested construction schedule, finishing the project ahead of schedule.</p>
<p>08/20 - 07/26 (est)</p>	<p>LADOTD 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. 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. As the engineer of record, Mr. Chopin 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.</p>
<p>10/09 - 08/26 (est)</p>	<p>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. Final QC of roadway and bridge plans for the entire project. Also 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.</p>
<p>08/12 - 12/18</p>	<p>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.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.					
Name	Andrew R. Jensen, PE		Years of experience with this firm/employer		11
Title	<i>Civil Engineer</i>		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 Civil Engineer		
Contract role(s) / brief description of responsibilities					
Project Manager					
<p>Mr. Jensen will serve as road design team lead on this project. 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 is intimately familiar 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.</p>					
<p>Highlights: LADOTD Standards & Specifications, Roadway Design, Geometric Layouts, Drainage Design, AASHTO Codes & Standards, QA/QC, Project Management, Construction Sequencing, and Line & Grade Studies</p>					
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).				
07/14 - 12/26 (est) Project in Section 17	<p>Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Roadway Design Team Lead. Responsible for designing the proposed interchange in Jefferson Parish. Responsible for roadway and bridge geometrics for the complex interchange in a dense urban environment. Prepared geometric layouts, geometric controls, curve data, typical sections, and plan profile sheets. Developed guardrail designs, superelevation details, graphical grades, pavement marking layouts, design reports, waivers, and exceptions. Performed the hydraulic calculations for the storm drainage system and design drainage maps. Encountered and resolved significant challenges during the drainage design due to high-water surface elevation in the outfall canal. Coordinated with utility companies to mitigate conflicts with existing utilities.</p>				
09/19 - 06/24 Project in Section 17	<p>Jefferson Highway Rail Crossing Relocation - Jefferson Parish, LA Roadway design engineer. Mr. Jensen was responsible for developing a line and grade design for two bridge overpass alternatives in a dense urban environment. A critical aspect of the project was to work within LADOTD design criteria and policies to provide the best possible design while still limiting the impact to the adjacent properties. He developed the roadway design criteria, design reports, typical sections, horizontal and vertical geometry, apparent and required right-of-way limits. He also worked closely with the planners and environmental professionals to analyze impacts to the adjacent businesses and then included impact mitigation into the design.</p>				
05/22 - 08/26 (est)	<p>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, LA. 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.</p>				


08/12 - 12/18	<p>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.</p>
08/20 - 07/26 (est)	<p>LADOTD 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 included 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. As the Project Manager, 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. He 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.</p>
06/18 - 01/20	<p>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.</p>
12/17 - 03/19	<p>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 / Fourth 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.</p>
03/15 - 12/26 (est)	<p>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.</p>
04/18 - 02/25	<p>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.</p>
12/14 - 09/19	<p>Multiple Bridge Replacements: Bob Pettit Road Bridge and Claycut Road Bridge - Baton Rouge, LA Road Design Engineer. Performed a quality control check of the bridge plans including the general bridge plans and structural details. The project was for the replacement of a bridge on Bob Pettit Road over Bayou Fountain.</p>
12/17 - 12/24	<p>H.012885 LA 466 / 5th Street Improvements - Gretna, LA Road Design Engineer. Assisted the lead designer in developing typical roadway sections and horizontal alignments. The project aimed to maximize safety and accessibility for bicyclists and pedestrians within the existing right of way through a very busy section of 5th Street in Gretna.</p>

16. Staff Experience:

Firm employed by:		BK BURK-KLEINPETER, INC.		
Name	Rebecca J. Chopin, PE	Years of experience with this firm/employer	12	
Title	<i>Civil Engineer / Project Manager</i>	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 Civil Engineer	
Contract role(s) / brief description of responsibilities Project Manager <p>Ms. Chopin will serve as Project Manager and 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.</p> <p>Highlights: LADOTD Standards & Specifications, AASHTO Codes and Standards, Bridge Inspection Expertise, Load Resistance Factor Rating, Concrete Design, QA/QC</p>				
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).			
08/14 - 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, along with pile bents, bearing pads, and concrete decks. Additionally, responsibilities involve collaborating with CAD techs on plan development for sheets such as structural details, general bridge plans, super-elevation diagrams, foundation layouts, and framing plans. Responsible for coordinating with LADOTD project managers and utility coordinators on utility relocations, preparing project utility maps for meetings, and managing SUE work requirements. Completed final plan cost estimates, technical specifications, and bridge design waivers.			
07/14 - 08/26 (est)	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.			

08/20 - 07/26 (est)	<p>LADOTD Rural Bridge Replacement Initiative Phase I and Phase II - Various Parishes, LA</p> <p>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).</p> <p>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 overall width is 42'-6" accommodating two (2) 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. 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.</p>
06/18 - Ongoing	<p>Wolf Bay Bridge Final Design - Orange Beach, AL</p> <p>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.</p>
12/13 - 09/19	<p>Multiple Bridge Replacements: Bob Pettit Road Bridge and Claycut Road Bridge - Baton Rouge, LA</p> <p>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.</p>
03/15 - Ongoing	<p>Mandeville Bypass Project - Mandeville, LA</p> <p>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.</p>
04/22 - 12/22	<p>Bridge on Pine Mountain Dr. over Old Hwy 280 - Birmingham, AL</p> <p>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.</p>
05/22 - 02/25	<p>Linwood Avenue Reconstruction Phase IV - Shreveport, LA</p> <p>Project Manager. Responsible for communication with the City of Shreveport on project schedules and progress for an LPA project which includes the reconstruction of Linwood Avenue, a four-lane road, between W 84th Street and W 70th Street. Oversee and advise the design engineers and drafting team on all deliverables including LADOTD design reports, waivers, and exceptions. Responsible for ensuring that all QA/QC processes are met throughout the entirety of the project. Facilitate clear communication of project goals and expectations with subconsultants.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.					
Name	Henry M. Picard, III, PE, PLS		Years of experience with this firm/employer		36
Title	<i>Civil Engineer</i>		Years of experience with other firm(s)/employer(s)		9
Degree(s) / Years / Specialization		Bachelor of Science/1981/Civil Engineering			
Active registration number / state / expiration date			PE 22289 / LA / 03-31-2027 ; PLS 4736 / LA / 03-31-2027		
Year registered	PE: 1986/ PLS: 1994	Discipline	Professional Civil Engineer / Professional Land Surveyor		
Contract role(s) / brief description of responsibilities Hydraulic Design Team Lead <div style="float: right; border: 1px solid black; border-radius: 10px; padding: 5px; background-color: #f0e68c; margin-left: 20px;">MPR 3</div> <p>Mr. Picard will serve as Hydraulic Design Team Lead on this project. He is in charge of hydraulic design including run-off calculations, overland flow calculations, inlet sizing and spacing calculations, sub-surface pipe design, as well as curb and gutter drainage design. He is also responsible for coordinating project schedules, budgets, and technical reviews. He has also provided professional services as Project Manager or Project Engineer on numerous roadway, transportation, rail, drainage and flood control, and hydraulic engineering projects.</p> <p>Highlights: LADOTD Standards & Specifications, LADOTD Hydraulics Manual, Road Design, Drainage Design, QA/QC, Land Survey Expertise</p>					
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).				
07/14 - 1/26 (est) Project in Section 17	Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Hydraulic Design Team Lead. Overseeing drainage design and mentoring junior engineers on roadway drainage for the new interchange between Earhart Expressway and Causeway Boulevard in Jefferson Parish.				
06/00 - 06/13 Project in Section 17	I-10 Causeway Interchange - Jefferson Parish, LA Civil Engineer. Responsible for signal plans at Causeway Blvd. and Veterans Memorial Blvd. Mr. Picard was also responsible for the drainage design and coordination with Jefferson Parish on parish-owned drainage at Causeway and Veterans.				
08/87 - 08/00 Project in Section 17	I-10 / I-610 Interchange Improvements - Orleans and Jefferson Parishes, LA Responsible for QC of the drainage calculations and plans.				
08/87 - 08/05 Project in Section 17	I-10 at Southern Railroad / Tulane Avenue Interchange - Orleans and Jefferson Parishes, LA Completed traffic signals at the Metairie Road Interchange. In addition, the traffic signals design, QC, and the drainage design.				


12/09 - 12/11	<p>I-12 and US Hwy 11 Interchange Improvements and Ramp Widening Project (SP No. 018-04-0046 & 454-04-0078) - St. Tammany Parish, LA Project Manager/Hydraulic Team Lead. Oversaw preparation of construction documents for improvements to the I-12 and US Highway 11 Interchange including topographic and property boundary surveys and right-of-way maps. Performed engineering for geometric design, horizontal and vertical alignment, drainage, paving, striping, signage plan, sequence of construction, quantity estimates and three signalized intersections. Performed design of signal Improvements involved the following: Developed construction drawings and specifications for traffic signal equipment layouts, controller timings, phasing, and cost estimates for the LADOTD.</p>
07/14 - 07/26 (est)	<p>Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA Hydraulic Design Team Lead. Performed hydraulic and drainage design for phase 1 of the project including culvert analysis and ditch grades. Provided QA/QC for phase II roadway drainage design on a new fixed, high level bridge and approach roadways across the Intracoastal Waterway. Coordinated with Jefferson Parish drainage for type, size, location, and construction sequencing of the box culvert to maintain flow in the Murphy Canal at all times during construction.</p>
08/20 - 07/26 (est)	<p>LADOTD Rural Bridge Replacement Initiative Phase I & II - Various Parishes, LA Hydraulic Engineer. Provided QA/QC for the redesign, removal, and reconstruction of 33 bridges on the State Highway system over 16 concurrent contracts, including NEPA Compliance, surveys, real estate, hydraulic analysis (including bridge scour), and design of bridges and roadways. For phase II, Provided project quality control and quality assurance and guidance for the design and complete reconstruction for 34 bridge structures in the State Highway system for Districts 05,08, and 58.</p>
03/15 - 12/26 (est)	<p>Mandeville Bypass Project - Mandeville, LA Project Manager/Hydraulic Engineer. Provided project management and engineering guidance for the preparation of line and grade studies, preliminary and final plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, construction sequence, and cross sections for 3.5 miles of roadway, a multi-use path, and two roundabouts.</p>
12/17 - 12/24	<p>H.012885 LA 466 / 5th Street Improvements - Gretna, LA Hydraulic Engineer. Provided project oversight for streetscape and drainage 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.</p>
04/18 - 02/25	<p>Parish Rd 929 at Braud Rd Roundabout - Ascension Parish, LA Hydraulic Engineer. Provided QA/QC for upgrading the intersection from a four-way stop to a roundabout. The two-lane roundabout design included a dedicated left turn lane. The project also included drainage and lighting improvements, engineer's construction cost estimate, phasing and detour plan, coordination of utility relocations, and coordination of right-of-way acquisition.</p>
12/13 - 09/19	<p>Multiple Bridge Replacements: Bob Pettit Road Bridge and Claycut Road Bridge - Baton Rouge, LA Hydraulic Engineer. Provided QA/QC for the replacement of a bridge on Bob Pettit Road over Bayou Fountain and Claycut Road over Dawson Creek. The bridges, precast concrete slab span structures each designed for at least two lanes of traffic with two six-foot sidewalks, were designed in accordance with LRFD. LADOTD standards, references, manuals, and format requirements were used for consistency and convenience.</p>
10/04 - 12/07	<p>Ascension Parish Road Improvements - Ascension Parish, LA Project Manager/Project Engineer. Responsible for topographic surveys, preliminary and final design including the preparation of construction documents of horizontal and vertical alignment of 26 roadways, including drainage and cost estimates.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.				
Name	Saeed Doust, Ph.D., PE	Years of experience with this firm/employer		4
Title	<i>Senior Bridge Engineer</i>	Years of experience with other firm(s)/employer(s)		23
Degree(s) / Years / Specialization		Ph.D. / 2011 / Structural Engineering Master of Science / 2000 / Structural Engineering Bachelor of Science / 1998 / Civil Engineering		
Active registration number / state / expiration date		PE.38907 / LA / 09-30-2026		
Year registered	2014	Discipline	Professional Civil Engineer	
Contract role(s) / brief description of responsibilities Senior Bridge Designer /Steel Girder Design				
				
<p>Mr. Doust will serve as the Bridge Design Team's senior designer. He specializes in steel girder design, bridge design, load rating, and evaluation. He has experience performing AASHTO Vessel Collision Risk Analysis</p> <p>Highlights: Bridge Design, LADOTD Standards & Specifications, AASHTO Codes and Standards, Steel Girder Design, Superstructure Design, Substructure Design, Concrete Girder Design, Bridge Rating</p>				
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).			
10/19 - 12/26 (Est.) 	Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Designed tightly curved (Radius=258') steel I-girder superstructure of Ramp WN of the project with the span lengths of 170', 210' and 170' spanning over the Earhart Expressway. Designed cross frames of the bridge for the high loads due to tight curvature. Designed steel I-girder superstructure of Span SW-12 of Earhart Interchange with a span length of 220 feet. Designed substructure of Ramp WN supporting the steel spans. Inspected and performed LRFR load rating of existing steel girder spans of Causeway Boulevard and existing PPC girder spans of Earhart Expressway using AASHTOWare . Designed rolled steel girders for widening of the existing Causeway Boulevard Bridge. Designed AASHTO P.P.C. girder spans of the Earhart Ramps. Prepared drawings for the steel girder details along with the P.P.C. girder schedules.			
06/14 - 07/14 	I-10 Causeway Interchange - Jefferson Parish, LA Senior Bridge Designer. Structural Engineer for the design of sign supports hanging from the underside of overhead bridge girders. Analyzed the bridge superstructure and developed the sign support details.			
11/12 - 08/26 (Est.)	Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA Senior Bridge Designer. Designed bridge unit P36-P39 which was a three span continuous composite steel unit with the span lengths of 304', 380', and 304'. Also designed curved steel I-girder bridge of the project with span length of 150 feet. Analyzed the bridge using computer program SAP2000 to find the forces due to the dead, live, and wind loads and temperature effects. Designed the main I-girders of the bridge for shear forces and bending moments during construction and the bridge at service. Checked stability of the steel girders of the bridge during erection, under wet concrete weight, and at service. Load rated PPC girder spans of Peters Road Extension Phase II. Designed substructure of Phase II Bridges EP and PE. Conducted vessel collision analysis for the two piers of the bridge main span over which are located in the Intracoastal Waterway. Performed the collision analysis according to AASHTO Guide Specs for Vessel Collision Design of Highway Bridges using data from the Navigation Study .			


10/21 - 4/22	<p>McWright's Ferry Rd Bridge - Tuscaloosa, AL Senior Bridge Designer. Designed steel I-girder superstructure of the McWright's Rd Bridge main span with a length of 220' over the North River. Performed FEA analysis of the bridge superstructure, using CSiBridge Advanced, which consisted of six steel I-girders composite with concrete deck. Analyzed stability of the girders during construction, under wet concrete weight and for the bridge in service. Designed the reinforced concrete piers of the bridge on two sides of the main span with circular columns/shafts and step cap beams. Designed V-shape cross frames of the bridge for loads during construction and the bridge in service.</p>
08/14 - 09/14	<p>Hamilton Street Bridge Inspection - Lafourche Parish, LA Senior Bridge Designer. Provided analysis, calculations, and repair and replacement options for a small timber bridge in Lafourche Parish. Led the field investigations of the 55-year old bridge.</p>
Non-BKI Experience	
10/21 - 7/23	<p>LA23 Bridge over Mid-Barataria Sediment Diversion (MBSD) - Plaquemines Parish, LA Senior Bridge Designer. Designed superstructure of the LA23 Bridge over MBSD which consists of ten 63"-deep Louisiana Girders (LG) composite with a reinforced concrete deck. Analyzed and designed all seventeen 128' spans of the superstructure which are 82'-4" wide, and float on the substructure piers by means of elastomeric bearings. Analyzed stability of the 63" LG girders during erection and under the weight of the wet concrete deck. Designed piers and abutments which consist of pile bents and column bents all supported on deep foundations. Performed load rating of the substructure according to AASHTO MBE 3rd Edition requirements.</p>
01/21 - 06/23	<p>Cheat River Bridge - Tucker County, WV Senior Bridge Designer. Designed steel girder superstructure of the bridge with the main span of 620'. (The bridge is currently under construction. The main span of the bridge, when completed, will be the longest steel span in the US.) Designed seven steel girders of the superstructure with a total length of 3300' and a width of 88'-6". Analyzed stability of the steel girder which are between 10'-4" to 22'-0" tall during erection, under the weight of the wet concrete and for the bridge in service. Analyzed global stability of the superstructure using the global stability methods allowed by AASHTO LRFD Chapter 6. Load rated the bridge for legal and permit loads according to the procedure required by AASHTO MBE 3rd Edition.</p>
02/23 - 02/24	<p>I-10 over LA429 - Ascension Parish, LA Senior Bridge Designer. Designed superstructure and substructure of the I-10 Bridge over LA429. Designed 54"-deep Louisiana Girders (LG) of the superstructure which are composite with a reinforced concrete deck. Analyzed and designed four EB spans and three WB spans of the bridge with a maximum span length of 110'. Designed piers and abutments which consist of pile bents supported on 24" and 30" PPC piles. Analyzed stability of the 54" LG girders during erection and under the weight of wet concrete deck. Performed load rating of the substructure according to AASHTO MBE requirements.</p>
03/20 - 06/22	<p>SR836/I-395 Bridges - Miami-Dade, FL Senior Bridge Designer. Reviewed superstructure design calculations of the signature arch bridge of Miami I-395 over Biscayne Bay Blvd which consists of three parts: i- Design calculations of six post-tensioned concrete arches of the bridge, ii- Design calculations of the post-tensioned segmental box superstructure of the bridge, and iii- Design calculations of the different substructure components of the bridge including arch supports and the arch center pier. Also reviewed design calculations of the SR-836 elevated highway bridge which consists of the design calculations of the post-tensioned Florida I-Beam superstructure of the bridge and the calculations of the 36 piers of the bridge.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.				
Name	Fares E. Tannous, Ph.D., PE	Years of experience with this firm/employer		1
Title	<i>Senior Civil Engineer</i>	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 Civil Engineer	
Contract role(s) / brief description of responsibilities		MPR 4		
<p>Senior Bridge Design</p> <p>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. Worked on numerous bridge projects to 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). He is actively registered in the States of Florida (2-2006), Georgia (12-2012) and Louisiana (2-2023).</p> <p>Highlights: Bridge Design, LADOTD Standards & Specifications, AASHTO Codes and Standards, LG Girder Design, Superstructure Design, Bridge Rating, and Substructure Design, Steel Girder Design</p>				
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).			
<p>Project in Section 17</p> <p>01/23 - 12/26 (est)</p>	<p>Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA</p> <p>Lead Design Engineer. Responsible for the final structural design and detailing of the Earhart Expressway-Causeway Boulevard Interchange Improvements (Phase IIB). Managed design and detailing for the concrete superstructure and substructure segment of the 1473 ft ramp, which includes precast concrete AASHTO girders, curved steel spans (170', 210', 170'), and cast-in-place slab spans. The substructure consists of cast-in-place hammerhead bents, pile bents, and multi-column piers supported on concrete pile foundations. Additionally, performed QA/QC for the steel bridge section of the ramp. All bridge design and load rating analyses were conducted using Open Bridge Designer Connect Edition software. Key design challenges included curved bridge sections, variable-width bridge decks with flared girders and superelevation transitions, connection detailing of the ramp to the existing mainline bridge, and construction staging with other project phases.</p>			
01/23 - 07/26 (est)	<p>LADOTD Rural Bridge Replacement Initiative Phase I & II - Multiple Parishes, LA</p> <p>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 responsible 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.</p>			

01/23 - 12/24 (est)	<p>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.</p>
01/23 - Ongoing	<p>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 in Lafourche Parish. 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.</p>
01/23 - Ongoing	<p>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.</p>
01/23 - 02/23	<p>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.</p>
PRE-BKI EXPERIENCE	
08/11 - 08/12	<p>City of Augusta, Old Waynesboro Road Over Spirit Creek - Richmond County, GA Engineer of Record in charge of the replacement of a six (6) 30 ft. span precast T-beam bridge with a two (2) 90 ft. span continuous steel plate girder on 18" square prestressed concrete pile bents. Responsibilities include steel and deck design, substructures design, shop drawings reviews and assisting the city with construction reviews.</p>
09/19 - 03/21	<p>City of Augusta, The Rehabilitation and Restoration of the Historic 5th Street Bridge over the Savannah River - Richmond County, GA Engineer of Record in charge of bridge inspection and development of Bridge Condition Assessment Report; Development of Bridge Rehabilitation Study and Engineer's Estimate; and the structures rehabilitation plan details. The project objective was to transform a 90-year-old 14-span 1202'-0" long bridge from a bridge carrying vehicular traffic to a pedestrian bridge. Structures repairs included replacement of the south end span, replacement of the deteriorated pin and hanger supports in drop spans 6, 8 and 10; expansion joint repair/replacement; bridge painting, new bridge lighting, ADA ramps, new deck overlay; install brick wall anchors and repair brick and reinforced concrete approach ramp walls; construct at-grade concrete steps and other miscellaneous repairs. Project coordination included architectural, electrical, mechanical, and structural disciplines.</p>
06/03 - 10/05	<p>James Rumsey Bridge - Jefferson County, WV Project Engineer responsible for final design and plan details of 3-span (330'-395'-330') variable-depth plate girder using MDX grid model. Also responsible for final design and details of two cast-in-place hammerhead piers supported on spread footing and micro-pile foundations. Other responsibilities included producing design computations and details of pier jacking diaphragms, camber diagram, and load rating.</p>
09/07 - 09/08	<p>Thompson Nursery Road - Polk County, FL Project Engineer/Manager responsible for the design of two single span composite curved steel box girders spanning 273'-0" each over CSX RR. Substructure is comprised MSE abutments supported on 16" Diameter steel pipe piles with MSE breast and wing walls</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.				
Name	René A. Chopin, IV, PE	Years of experience with this firm/employer		12
Title	<i>Civil Engineer</i>	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.42349 / LA / 09-30-2026		
Year registered	2018	Discipline	Professional Civil Engineer	
Contract role(s) / brief description of responsibilities Hydraulic & Hydrologic Design				
<p>Mr. Chopin will serve on the Road Design Team with a focus on Hydraulic and Hydrologic Engineering. His experience includes the use of the Department of Transportation and Development (DOTD) HYDR 2009, HEC-HMS and HEC-RAS programs to calculate drainage flows and pipe capacities. He has worked on various projects such as roadway and drainage improvement projects, master drainage plans, levee and stormwater prevention projects, and harbor improvements including dredging. His responsibilities have included performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration. In addition, he received his ATSSA Traffic Control Supervisor Refresher - LA training in 2023.</p> <p>Highlights: LADOTD Standards and Specifications, LADOTD Hydraulics Manual, Runoff Calculations, Overland Flow, Inlet Sizing and Spacing Calculations, Subsurface Pipe Design, Curb and Gutter Drainage Design</p>				
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).			
08/14 - 01/26 (est) Project in Section 17	Earhart Blvd. (LA 3139) / Causeway Blvd. (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Hydraulic and Hydrologic Design Engineer. Provided civil engineering services for designing a new interchange between Causeway Boulevard (LA 3046) and Earhart Expressway (LA 3139). Mr. Chopin evaluated the existing drainage system and designed the drainage for the new interchange, following LADOTD’s Hydraulic Manual.			
07/14 - 07/24 (est)	Peters Road Bridge and Extension (H.008244, H.008068, H.008069, H.014581) - Plaquemines and Jefferson Parishes, LA Hydraulic and Hydrologic Design Engineer. Generated drainage maps, performed calculations to determine runoff, and sized drainage structures for the extension of approach roadways across the Intracoastal Waterway. Prepared the hydraulic calculations in accordance with LADOTD’s Hydraulic Manual. Performed hydraulic calculations to size the proposed four 10’x10’ pre-cast reinforced concrete box culverts.			
08/20 - Ongoing	LADOTD Rural Bridge Replacement Initiative Phase I & Phase II, Various Parishes, LA Hydraulic and Hydrologic Design Engineer. Provided drainage design for the redesign, removal, and reconstruction of 33 bridges on the State Highway system over 16 concurrent contracts. 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			
03/15 - 12/26 (est)	Mandeville Bypass Project - Mandeville, LA Hydraulic and Hydrologic Design Engineer. Responsible for the preparation of line and grade studies including HEC-RAS analysis of existing and proposed crossing culverts and bridges. 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, multi-use path, and two roundabouts. Prepared the hydraulic calculations for the drainage design in accordance with LADOTD’s Hydraulics Manual.			

04/18 - 02/25	<p>Parish Rd 929 at Braud Rd Roundabout - Ascension Parish, LA Hydraulic and Hydrologic Design Engineer. Provided drainage design for the construction of a roundabout interchange. Performed HEC-RAS analysis of concrete box culverts to replace existing bridges and facilitate the construction of the new interchange. Although this was an Ascension Parish program, for consistency and convenience, LADOTD standards, references, manuals, and format requirements were used.</p>
11/20 - Ongoing	<p>25th Street Canal Drainage Improvements Project - Gretna, LA Project Manager/Hydraulic and Hydrologic Design Engineer. Responsible for alternate routing of stormwater runoff during high-intensity events for the 25th Street Canal subdivisions. This includes analyzing the existing system, providing recommended pipe sizes for alternate flow routes when the Heebe Canal stage exceeds water surface elevations that would close flap gates to be installed on the current outfall pipes, and designing improvements within 25th Street Canal to handle the additional flow to feed the proposed 25th Street drainage pump station. In working with our Mechanical Department, we have developed a closed, pump-controlled system for the 25th Street subdivision that will alleviate flooding during high-intensity rainfalls.</p>
05/15 - 12/19	<p>Wardline Road Drainage Improvements - Hammond, LA Civil Engineer. Provided engineering services for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompasses a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.</p>
11/21 - Ongoing	<p>Bayou Paul Lane Ditch and Culvert Improvements Project - City of St. Gabriel, LA Project Manager. Providing oversight as well as performing hydraulic analyses using LADOTD's Hydraulic Software, HydrWIN2009. Generating a cost estimate based on proposed improvements as well as creating construction documents and assisting in the bidding-advertising of the project. Will provide construction administration services and provide oversight of the resident inspection.</p>
11/18 - 02/19	<p>St. James Drainage GOHSEP Coordination - Master Drainage Plan - St. James Parish, LA Hydraulic and Hydrologic Design Engineer. Ran calculations to check for deficient culvert capacities throughout St. James Parish. Input flows were calculated using the Rational Method and culverts evaluated based on headwater using the DOTD Hydr2009 and/or FHWA HY-8 programs. The results were tabulated in a report that included maps showing the location, condition, and status of the culverts. Deficient culverts were given a recommended size and material for replacement. This report was submitted to St. James Parish to be used as a master plan for driveway culvert replacements in the future. The report was also used by St. James Parish for submittal to GOHSEP seeking grants to assist in the construction of these new culverts. The culvert improvements would offer a total reduction in headwater throughout the Parish by removing restrictive flow conditions. The improvements would assist the Parish in exfiltrating stormwater from localized rain events preventing flooding of homes and businesses.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.					
Name	Renee M. Poole, PE		Years of experience with this firm/employer		6
Title	<i>Civil Engineer</i>		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 Civil Engineer		
Contract role(s) / brief description of responsibilities Hydraulic & Hydrologic Design					
<p>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 received her ATSSA Traffic Control Technician and Supervisor - LA training in 2023.</p> <p>Highlights: LADOTD Standards and Specifications, LADOTD Hydraulics Manual, Runoff Calculations, Overland Flow, Inlet Sizing and Spacing Calculations, Subsurface Pipe Design, Curb and Gutter Drainage Design</p>					
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).				
05/19 - 12/26 (est) Project in Section 17	<p>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) in Jefferson Parish. Completed roadway and drainage design adjustments due to bent relocations and DOTD feedback in final plans, quantity changes, and roadway plan preparation.</p>				
07/20 - 07/26 (est)	<p>LADOTD Rural Bridge Replacement Initiative Phase I & Phase II - Various Parishes, LA, Phase I: Lead Hydraulic & Hydrologic Design Engineer. Completed the hydrologic, hydraulic and scour analyses for these 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 LA DOTD. Also, calculated the required size of any/all driveway and erosion culverts required on the site.</p>				
05/19 - 08/26 (est)	<p>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.</p>				


05/19 - 12/20	<p>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 reviewing 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.</p>
05/19 - 12/26 (est)	<p>Mandeville Bypass Project - Mandeville, LA Hydraulic & Hydrologic Design Engineer. Project included 3.5 miles of new roadway, a multi-use path, the design of 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, and 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.</p>
05/22 - Ongoing	<p>H.014411 Linwood Avenue Reconstruction Phase IV - 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.</p>
05/19 - Ongoing	<p>H.012885 LA 466 / 5th Street Improvements - 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 JP, Gretna, and DOTD standards. Designing the PGL and cross-sections in Civil3D. Coordinated with the landscape architect. Has 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.</p>
11/20 - Ongoing	<p>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.</p>

16. Staff Experience:

Firm employed by: BK BURK-KLEINPETER, INC.					
Name	Bailee L. Hurm, EI		Years of experience with this firm/employer		5
Title	<i>Civil Engineer Intern</i>		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	Civil Engineer Intern		
Contract role(s) / brief description of responsibilities					
Bridge Design					
<p>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 attended the Louisiana Traffic Control Supervisor and Technician training courses for the American Traffic Safety Services Association (ATSSA) in 2023.</p>					
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).				
10/19 - 12/26 (est) Project in Section 17	<p>Earhart Blvd. (LA 3139) / Causeway (LA 3046) Interchange (H.002861, H.013842) - Jefferson Parish, LA Bridge Design EI. Assisted with roadway and structural design and plan development for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. This project includes a complete interchange offering all directions of movement between the two corridors. The interchange fits within a very compact footprint with unique geometric challenges. It features seven new ramps, including at-grade roadways and bridge structures.</p>				
02/19 - 06/24 Project in Section 17	<p>Jefferson Highway Rail Crossing Relocation- Jefferson Parish, LA Road and bridge Design. Responsible for the line and grade stage 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.</p>				
07/20 - 07/26 (est)	<p>LADOTD Rural Bridges Replacement Initiative Phase I & Phase II - Various Parishes, LA Phase I: Bridge 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: Bridge Design Engineer. Provided civil engineering design services for the complete reconstruction of multiple deficient bridges maintained by LA DOTD 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 Manual 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</p>				



10/19 - 12/26 (est)	<p>Mandeville Bypass Project - Mandeville, LA Road Design El. 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 LA DOTD Minimum Design Guidelines.</p>
10/19 - 03/21	<p>Lower Ninth Ward Northwest Group B (FRC) Reynes Street Improvements - New Orleans, LA Civil El. 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.</p>
01/20 - Ongoing	<p>Plum Orchard Group C RR136 (FRC) and Group D RR137 (FRC) - New Orleans, LA Civil El. 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.</p>
01/20 - Ongoing	<p>West End Group F (RR198) - New Orleans, LA Civil El. 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.</p>
10/19 - 03/23	<p>Jefferson Highway Rail Crossing Relocation - Jefferson Parish, LA Road Design El. 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.</p>
12/21 - 06/22	<p>IHNC Access and Planning Study - New Orleans, LA Road Design El. 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.</p>
05/22 - 12/25	<p>H.014411 Linwood Avenue Reconstruction Phase IV – Shreveport, LA Road Design El. 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.</p>

16. Staff Experience:

Firm employed by: Eustis Engineering, L.L.C.					
Name	Gwendolyn P. Sanders, PE		Years of experience with this firm/employer		32
Title	President		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Master of Science / 1992 / Engineering Bachelor of Science / 1990 / Civil Engineering			
Active registration number / state / expiration date			PE.0027104 / Louisiana / 09-30-2025		
Year registered	1997	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities Geotechnical Services <div style="text-align: center; border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block; margin: 10px auto;">MPR 5</div>					
As President, Mrs. Sanders will be responsible for the overall services provided by Eustis Engineering L.L.C. and will meet Minimum Personnel Requirement No. 5 of this RFQ.					
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).				
03/11 – 08/16	State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966) Mrs. Sanders helped develop subsoil design parameters at each boring location. These design parameters were used to estimate pile load capacity with ultimate compressive pile load capacity being computed for alternative pile sizes. Precast concrete piles were being considered for support. Other factors considered in our engineering analyses included drag loads due to fill placement, estimated total settlement due to structural loads, pile installation recommendations, and recommended inspection and monitoring of existing structures. Mrs. Sanders was also involved during the construction phase, evaluating the results of dynamic and static load tests for development of installation requirements and verification of permanent pile lengths.				
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646) Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. As Principal, Mrs. Sanders put in over 300 hours on this project to perform senior level review associated with the design and construction services. She participated in weekly progress meetings both with the design team and with the owner representatives.				
02/18 – 09/19	Greater New Orleans Expressway Commission (GNOEC) - Lake Pontchartrain Causeway, Safety Bay Improvements, Jefferson and St. Tammany Parishes, Louisiana (23800) As Engineering Manager and Project Principal, Mrs. Sanders was involved in the development of the geotechnical scope of work as well as field and laboratory programs. She provided general oversight and review of the engineering analyses during the geotechnical exploration and design including development of the pile data table and testing program. She also provided oversight and evaluation during the construction phase including review of the verification testing of indicator piles and monitor piles as well as adjustment of driving criteria and acceptance criteria.				
08/06 – 12/14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 19483, 20262) Mrs. Sanders was the Project Manager and lead geotechnical engineer during design and construction. Mrs. Sanders provided design pile and shaft capacity estimates in the engineering/design phase of the project. Prior to construction, she reviewed the geotechnical aspects of the project specifications and provided comments. During construction, she observed/witnessed drilled shaft installations and shaft inspection device (SID) testing prior to concrete placement. She also observed and reviewed the results of pile and shaft load testing and provided final inputs to the pile data tables.				


<p>01/12 – 05/19</p>	<p>State of Louisiana - Route I-10, Williams Boulevard, Veterans Boulevard, and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana, S.P. Nos. H009087.5 and H.003074.5 (21687)</p> <p>Mrs. Sanders served as the Project Manager during the exploration phase of these projects and preliminary design. She assisted with rating determinations of the existing Veterans Boulevard and Duncan Avenue canal bridges and the Loyola Drive and Williams Boulevard overpasses. This rating included recommended resistance factors associated with the available tests to be used to assess the existing structure’s ability to meet current Load Resistance Factor Design (LRFD) requirements. Engineering analyses included settlement evaluations for various embankment fill heights and widths, settlement and differential settlement of pile foundations, slope stability of each canal crossing, and ultimate vertical pile capacity estimates. Mrs. Sanders provided senior level review during later project phases when a bridge replacement, rather than widening, was selected. The replacement bridge required the evaluation of a preload/surcharge program that would be implemented in phases to maintain traffic through the corridor during construction.</p>
<p>01/13 – 11/18</p>	<p>Port of New Orleans - Almonaster Bridge over the Inner Harbor Navigation Canal, New Orleans, Louisiana (22066, .01)</p> <p>Analyses included estimates of allowable vertical pile load capacities at the land borings for support of the proposed bridge replacement and pavement recommendations based on the auger borings. Slope stability analyses were performed for the proposed channel widening and the cofferdam requirements. Lateral load analyses were performed to evaluate the new fender system and bridge support piles. As part of a response to a Value Engineering study, we evaluated the use of drilled shafts. Mrs. Sanders served as the Project Manger during the development of the site exploration and initial meetings among the project stakeholders which included Port NOLA, the Southern Belt Railroad, CSX Railroad, LaDOTD, the City of New Orleans, the U.S. Coast Guard, and the U.S. Army Corps of Engineers.</p>

16. Staff Experience:

Firm employed by: Eustis Engineering, L.L.C.					
Name	Chad L. Held, PE		Years of experience with this firm/employer		34
Title	Executive Vice President & Senior Project Manager		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Master of Science / 2002 / Civil Engineering Bachelor of Science / 1998 / Civil Engineering			
Active registration number / state / expiration date			PE.0030257/ Louisiana / 09-30-2026		
Year registered	2002	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities Geotechnical Services <div style="text-align: center; margin: 10px 0;">  </div> <p>Mr. Held will meet Minimum Personnel Requirement Nos. 5 and 7 of this RFQ.</p>					
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).				
08/06 – 12/14	State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 20262) As a Project Engineer, Mr. Held developed allowable vertical pile load capacity estimates (precast concrete, steel H, and treated ASTM D 25 timber); allowable shaft load capacity estimates (7 and 9 feet in diameter) to support Pier IVA located along the East Bank Approach with and without the benefit of post grouting the shaft tips; estimates of settlement for the proposed pile/shaft groups; evaluation of pile/shaft group capacity and spacing; lateral load analyses of pile foundations for various pile group configurations and loading conditions, in addition to analyses of a single pile, to evaluate the sensitivity of the point of fixity; dewatering and pressure relief recommendations for construction of Pier IVA; and recommendations for test pile and test shaft programs. Once construction began, Mr. Held performed dynamic pile testing and signal matching verification (CAPWAP® analyses) on selected piles to evaluate capacity for the project. He also interpreted crosshole sonic logging results.				
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD) - I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584) This project comprised 24, 100 ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Held was responsible for quality control regarding the review of the data being transmitted with the gINT® database and other project summaries.				
03/11 – 08/16	State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966) Mr. Held provided quality control and review during the construction phase of the project. Eustis Engineering performed dynamic pile testing with signal matching on selected monitor piles, indicator piles, and job piles. Mr. Held reviewed and adjusted the results of the signal matching verification using his experience in subsoil conditions encountered at the site and considering the piles and driving system.				
06/08 – 02/12	State of Louisiana - Interstate 12 Widening from O’Neal Lane to Range Avenue, East Baton Rouge Parish, Louisiana (20298) As Senior Project Manager, Mr. Held provided an independent quality assurance technical review for various aspects of the project’s construction. Mr. Held performed dynamic pile testing services and CAPWAP analyses on precast concrete piles being driven as job piles. In addition, Mr. Held performed Wave Equation Analysis of Piles (WEAP) to approve hammers utilized on the project. Upon completion of dynamic pile testing and initial installation of test piles and indicator piles, Mr. Held also developed inspectors’ charts and pile driving criteria for respective pile bents.				


<p>04/08 – 04/14</p>	<p>U. S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00-.14) As Project Engineer, Mr. Held performed dynamic pile testing as well as reviewed dynamic pile tests (DPTs) performed by others to ensure DPT data quality. CAPWAP analyses were performed on the end-of-driving and restrike DPTs to evaluate shaft resistance along the pile, soil setup over time, and ultimate pile capacity. Mr. Held was also on rotational call to provide project management services and assist with quality control and pile installation design questions.</p>
<p>06/22 – 01/24</p>	<p>State of Louisiana, Department of Transportation and Development, I-10/City Park Bridge Replacement Project, Baton Rouge, Louisiana (24821.00, .01) Eustis Engineering performed a geotechnical peer review for the proposed City Park crane trestle piles for the I-10/City Park Bridge Replacement project in Baton Rouge, Louisiana. In order to perform the peer review, Eustis Engineering was furnished Kiewit/Boh, AJV's (Kiewit's) design memorandum which outlined the design assumptions associated with the trestle bridge design performed by Kiewit. After authorization, Eustis Engineering was requested to perform independent geotechnical engineering analyses as part of this review. The limited geotechnical analyses included development of axial pile load capacity curves and lateral load analyses of the proposed pile groups to compare with the analyses performed by Kiewit. Eustis Engineering also performed dynamic pile tests (DPTs) on five job piles for the project. Mr. Held performed the consultation on the engineering analyses associated with the peer review and reviewed the results of the DPTs and CAPWAP analyses.</p>

16. Staff Experience:

Firm employed by: Eustis Engineering, L.L.C.					
Name	Travis R. Richards, PE		Years of experience with this firm/employer		19
Title	<i>Vice President of Testing and Senior Project Manager</i>		Years of experience with other firm(s)/employer(s)		7
Degree(s) / Years / Specialization		Graduate Certificate / 2018 / Coastal Engineering Master of Science / 2017 / Engineering Master of Science / 2015 / Engineering Management Bachelor of Science / 1998 / Civil Engineering			
Active registration number / state / expiration date			PE.0030992 / Louisiana / 03-31-2027		
Year registered	2004	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities Geotechnical Services <div style="text-align: center; margin: 5px 0;">MPR 5,7</div> <p>Mr. Richards is the engineer in responsible charge for the quality control, technical functions, and performance of the soil mechanics' laboratory testing regarding our accreditations for geotechnical and construction materials testing in Louisiana. He meets MPR Nos. 5 and 7.</p>					
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).				
03/20 – 06/25	State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646) Services for this project included undisturbed borings, auger borings, and cone penetration tests (CPTs). Eustis Engineering L.L.C. also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Mr. Richards provided quality review of the laboratory testing services and CPT results.				
01/21 - Ongoing	State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515) The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Mr. Richards oversaw the laboratory testing services and reporting. He adjusted the gINT® database/library to allow for client requested formatting and report generation to complete the data report.				
06/21 – 01/22	State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana (24584) This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Richards' responsibilities included adjustments to the gINT library to produce the requested information. He also provided a quality level review of the data and laboratory summaries.				
04/08 – 04/14	U.S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00 - .15) Mr. Richards' role as the geotechnical design lead included project management and review of deliverables of other geotechnical engineering consultants during the project, geotechnical design of project features, oversight and acceptance of piles driven to support the project, and served as the liaison for geotechnical matters for the design-build contractor, Shaw E&I, during the project.				


02/09 – 03/15	<p>U.S. Army Corps of Engineers - Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV 09b, Western Tie-In Closure Structure, St. Charles and Plaquemines Parish, Louisiana (20536)</p> <p>Mr. Richards was the instrumentation engineer assigned to the project. He was involved in the development and implementation of the instrumentation plan and oversaw the field installation of the geotechnical monitoring equipment including data loggers. Mr. Richards processed instrumentation readings and created modeling of the preload/surcharge stacks to evaluate progress of the project preload/surcharge program. He also summarized the instrumentation readings and observations in the form of geotechnical data reports.</p>
01/12 – 10/17	<p>State of Louisiana - Route I-10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana (21687)</p> <p>Mr. Richards performed settlement analyses for various embankment fill heights and widths as well as slope stability analyses to evaluate each of the canal crossings.</p>
03/18 – 01/19	<p>Orleans Levee District - West Roadway Street Drainage Repairs, South Roadway Street to Floodgate L-01, New Orleans, Louisiana (23789)</p> <p>Mr. Richards provided direct oversight of the field inspectors, laboratory testing of soils and concrete, and quality assurance. Mr. Richards also provided review of material submittals, dispute resolution, and acted as a liaison among construction materials testing and project civil and geotechnical engineers.</p>
04/17 – 07/18	<p>City of New Orleans, Bourbon Street Reconstruction Project, Canal Street to Dumaine Street, New Orleans, Louisiana (23548, .01)</p> <p>As Project Manager, Mr. Richards provided direct oversight and review of soils and aggregates materials' sampling and laboratory testing, in-place nuclear density testing, and vibration monitoring results. Reporting and managing data were handled through an online database, MetaField.</p>
06/18 – 11/18	<p>Port of New Orleans - Almonaster Bridge over the Inner Harbor Navigation Canal, New Orleans, Louisiana (22066, .01)</p> <p>Mr. Richards provided the testing plan for the existing bridge concrete and non-destructive testing. He reviewed the results of the Windsor Probe and Schmidt manual impact hammer tests to provide the structural designers strength data for their assessment of the existing pier to be incorporated into the new structure foundations.</p>

16. Staff Experience:

Firm employed by: Eustis Engineering, L.L.C.					
Name	Matthew K. Morales, PE		Years of experience with this firm/employer		16
Title	Project Manger		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2008 / Civil Engineering			
Active registration number / state / expiration date			PE.0038211 / Louisiana / 09-30-2025		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities		MPR 6,7			
Geotechnical Services					
Mr. Morales serves as Project Manager and will meet MPR Nos. 6 and 7 of this RFQ. Regarding MPR 7, he achieved Master Level in the Pile Dynamics Inc. – Dynamic Measurement and Analysis Proficiency Test.					
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).				
01/21 – Ongoing	<p>State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03)</p> <p>The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering L.L.C. obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical design analyses include vertical and lateral pile capacity with and without scour, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) driveability, dynamic pile testing with signal matching, development of a vibration monitoring plan, and review of settlement monitoring of surcharged areas. Mr. Morales has been responsible for performing internal reviews of the engineering analyses, the geotechnical data report, and the geotechnical design report completed for this project. He is also leading the EDC efforts.</p>				
03/20 – 06/25	<p>State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646)</p> <p>Services for this project included a subsurface exploration including undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also provided laboratory testing including Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. Design services were provided for seven different major project features. Mr. Morales was the geotechnical design engineer for all project features, which included driven pile and drill shaft foundation design, slope stability analyses, retaining wall design, embankment evaluations, roadway pavement design, and developing load test programs. Eustis Engineering evaluated the results of the bi-directional load test performed on a drilled shaft, performed dynamic pile testing with signal matching to verify pile load capacity estimates, and reviewed installation logs of the production shafts and piles. Mr. Morales’ responsibilities on this project included performing engineering design work for the project features in a timely manner allowing construction operations to progress with minimal delays.</p>				
08/06 – 12/14	<p>State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening (18530, 20262)</p> <p>Mr. Morales was involved in the later phases of this project as a project engineer. He reviewed and evaluated the results of cone penetration tests used to supplement the soil borings and performed dynamic testing on the piles supporting the approach ramps.</p>				
06/11 – 02/13	<p>State of Louisiana - Essen Lane Interchange Westbound, Route Interstate 12, East Baton Rouge Parish, Louisiana</p> <p>Mr. Morales served as a project engineer for this project. He performed engineering analyses to evaluate some of the retaining wall alternatives. He also performed global slope stability analyses using Spencer’s Method of Slices as coded within GEOSLOPE International Ltd.’s computer program, SLOPE/W.</p>				


02/09 – 04/10	<p>U.S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00-.15) As a project engineer, Mr. Morales performed Wave Equation Analysis of Piles (WEAP) analyses for this project. He also participated in the field exploration phase and dynamic pile testing during the test pile program and job pile installation. In addition, he reviewed some of the construction submittals.</p>
02/09 – 03/15	<p>U.S. Army Corps of Engineers - Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV 09b, Western Tie-In Closure Structure, St. Charles and Plaquemines Parish, Louisiana (20536) Eustis Engineering provided design and engineering during construction (EDC) services. The design phase scope, assisted by Mr. Morales, included drilling 5-in. undisturbed soil borings in the marsh; laboratory testing; engineering analyses of levees and structures; and installation, monitoring, and evaluation of geotechnical instrumentation.</p>
10/13 – 02/15	<p>State of Louisiana – Route Interstate 10, Highland Road to LA Highway 73, East Baton Rouge and Ascension Parishes, Louisiana (21777)As a project engineer, Mr. Morales oversaw the field investigation phase of this project. He has performed analyses for deep foundations and analyzed settlement for the widening of the overpasses and approach embankments.</p>
01/13 – 11/18	<p>Port of New Orleans – Almonaster Bridge over the Inner Harbor Navigation Canal, New Orleans, Louisiana (22066, .01) Analyses included estimates of allowable vertical pile load capacities at the land borings for support of the proposed bridge replacement and pavement recommendations based on the auger borings. Slope stability analyses were performed for the channel widening and the cofferdam requirements. Lateral load analyses evaluated the new fender system and bridge support piles. As part of a response to a Value Engineering study, we evaluated the use of drilled shafts. Mr. Morales performed engineering analyses on this project.</p>

16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Kenny Belou, PE		Years of experience with this firm/employer		2
Title	Lead Professional, Transportation		Years of experience with other firm(s)/employer(s)		17
Degree(s) / Years / Specialization		Bachelor of Science / 2009 / Civil Engineering			
Active registration number / state / expiration date			PE.0038850 / LA / 09-30-2026		
Year registered	2014	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities: Road Design					
<p>Kenny Belou, PE is TBS' engineering lead professional for our transportation practice. His duties include overseeing engineering execution for transportation related projects including design activities, report preparation, construction documents, construction administration, and client satisfaction. He has nearly 20 years of experience designing projects in accordance with LADOTD's Road Design Manual, Off-System Highway Bridge Program Guidelines, Hydraulics Manual, Bridge Design and Evaluation Manual, AASHTO's Geometric Design of Highways and Streets, and the LADOTD Standards and Specifications for Roads and Bridges. Kenny has completed NHI Course No. FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process.</p>					
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).				
03/23 - Ongoing	<p>Contract 44-24928, IDIQ Contract for Roadway Design Services; LADOTD; Statewide Overall Project Manager. Kenny serves as the overall project manager and contract coordinator for this Statewide Roadway Design IDIQ. He coordinates with the engineers of record to ensure staffing needs are met, provides QAQC, and ensures on-time project delivery for three ongoing task orders (H.015576, H.015721, and H.015587). Kenny is also responsible for scoping, manhour estimates, and contract negotiations. He coordinates with LADOTD Project Managers and overall IDIQ Manager.</p>				
03/23 - Ongoing	<p>US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA - Project Manager. The project scope includes the design and construction of a new 1,400-foot bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. The project also includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. As project manager, Kenny is responsible for the construction administration.</p>				
10/22 – 12/22	<p>S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA Project Manager. Kenny was responsible for quality control review on plans, design criteria and project calculations for the multi lane roundabout at the intersection of US 190 and Northshore Blvd and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. Responsible for the coordination with subconsultants and LADOTD on the project deliverables. Kenny developed construction sequencing for the complex drainage work and road work required to maintain traffic through the intersection of US 190 and Northshore Blvd.</p>				
10/22 – 04/23	<p>S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA Engineer of Record (Road) and Project Manager. Kenny was responsible for the asymmetrical widening of 2.7 miles of LA 20 to add 8' shoulders near Vacherie, LA. Project scope included horizontal and vertical geometry, drainage design (subsurface and open ditch), cross section roadway elements, and permanent signing and pavement markings. Provided quality control review of bridge plan set ensuring compliance with LADOTD standards and coordination with in-construction state project located within the project limits. Coordinated with LADOTD project manager, LADOTD pavement design section, LADOTD hydraulic section, and subconsultants to ensure project delivery meeting all necessary standards and coordinated with adjacent project. Oversaw the design of required utility relocations required for the roadway project along the corridor as a separate project let through St. James Parish.</p>				


05/23 - Ongoing	<p>Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Supervisor Engineer. This project included the replacement of 12 Off System Bridges and their adjacent roadways throughout LADOTD District 08. The existing bridge lengths range from 40' to 135' and the sites include cross drains, box culverts, and RC slab span bridges. Kenny is the overall project manager and supervisor engineer, responsible for complete contract and schedule execution. He is also responsible for quality control of all design elements including bridge, roadway, and hydraulic design. He works in constant coordination with internal task managers, the LADOTD project manager, District & Area engineers, and sub-consultants to ensure on time and complete deliverables.</p>
10/22 - Ongoing	<p>Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58 Overall Project Manager. The scope for phases I and II included the replacement of 87 bridges throughout fourteen Parishes in Northern Louisiana. The bridge lengths ranged from 20' to 340'. Kenny is responsible for construction support for Phase I bridge projects and responsible for contract execution for Phase II. He is also responsible for quality control of all design elements including roadway design, hydraulic design, and bridge design. He works in constant coordination with internal task managers, the LADOTD project manager, and subconsultants for this fast-paced project.</p>
11/23 - Ongoing	<p>S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA Supervisor Engineer. Kenny is the supervisor engineer for this roundabout project in Livingston Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban single lane roundabout. 100% Preliminary Plans were delivered to LADOTD on schedule in October 2024.</p>
10/24 - Ongoing	<p>S.P. No. H.015721, LA 30: Roundabout @ St Elizabeth/ S Penn; LADOTD; Ascension Parish, LA Supervisor Engineer. Kenny is the supervisor engineer for this roundabout project in Ascension Parish, issued as a task order through TBS's master contract for LADOTD Roadway Design Services IDIQ. He is responsible for the quality assurance, quality control, and project delivery for this urban multi-lane roundabout.</p>
12/22 – 07/24	<p>MA-18-12, Hwy 930 Widening (LA 42 to Causey Road); Ascension Parish Government; Ascension Parish, LA Supervisor Engineer. Kenny was the supervisor engineer for the 1.6 mile roadway reconstruction project in Ascension Parish. He oversaw the redesign of the project's open ditch and subsurface drainage system which was previously designed by LADOTD (H.003790) prior to the road transfer to Ascension Parish. The drainage redesign mitigated conflicts with a major water transmission line located throughout the project length which was identified during utility coordination between Ascension Parish and Baton Rouge Water Company. Following the review and approval of the drainage redesign, he was responsible for the quality assurance, quality control and project delivery for the local urban collector roadway project. The project and project delivery follow all LADOTD design guidelines and milestones. Final Plans were to be delivered to the Parish in mid-2024 ahead of the schedule for the expected 2025 letting and construction.</p>

16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Kelly Radecker, PE		Years of experience with this firm/employer		6
Title	<i>Lead Transportation Engineer, Roads</i>		Years of experience with other firm(s)/employer(s)		5
Degree(s) / Years / Specialization		Bachelor of Science / 2014 / Civil Engineering			
Active registration number / state / expiration date			PE.0043919 / LA / 03-31-2026		
Year registered	2019	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities: Road Design <p>Kelly Radecker, PE is the Lead Roadway Engineer for our Transportation Engineering team. Kelly will serve as the overall road design lead for T. Baker Smith. Prior to joining T. Baker Smith, Kelly gained valuable transportation experience while employed by LADOTD. Kelly is notably experienced in design of roadway widening, roundabouts, drainage, and bridge replacement and reconstruction in accordance with LADOTD's Roadway Design Procedures and Details Manual, LADOTD's Hydraulics Manual, and DOTD plan preparation guidelines. She is familiar with AASHTO standards and guidelines. She is skilled in development of roadway models and design, hydraulic analysis, and sign design utilizing MicroStation, InRoads, AutoTURN, Torus, HYDRWIN, GeoHECRAS, and SignCAD.</p>					
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).				
<i>02/20 – 12/22</i>	S.P. No. H.012812, US 190 at Northshore and Camp Villere; LADOTD; St. Tammany Parish, LA Engineer of Record. Kelly was the Lead Roadway Engineer for the design and plan preparation of an urban multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and an urban single lane roundabout at the intersection of US 190 and Camp Villere. She was responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, drainage design, typical sections, sequence of construction, pay item compilation, and quantity take-offs. Kelly created design report forms and cost estimates as well as assisted in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings. She also coordinated with subconsultants and provided quality control of design elements performed by the subconsultant including temporary traffic signal design and roadway striping and signing sheets.				
<i>11/23 – Ongoing</i>	S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA Engineer of Record. Kelly is Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. She was responsible for the job planning, including preliminary schematic layouts and defining the project limits. She is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Kelly is responsible for creating design report forms as well as assisting in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings.				
<i>05/23 - Ongoing</i>	Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Engineer of Record. Kelly is Lead Roadway Engineer for the design and plan preparation of 12 Off System Bridge Replacements throughout central Louisiana. Responsible for developing roadway and bridge geometrics including H&V alignment, cross sectional elements, drainage design and analysis. She oversees Inroads modeling, quantity calculations, and bridge layouts. Kelly is also providing quality control of all design and plan elements for the remaining replacement projects.				
<i>12/19 – Ongoing</i>	S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA Engineer of Record. Kelly is Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 621 and Roddy Rd. She is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, drainage design, typical sections, sequence of construction, pay item compilation and quantity take-offs. Kelly created design report forms and cost estimates as well as assisted in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings.				


05/19 – 06/21	<p>S.P. No. H.004113, I-12 to Bush: LA 3241: LA 435 to LA 40/41; LADOTD; St. Tammany Parish, LA Project Engineer. The project scope included the design and construction of approximately 5.5 miles of roadway on virgin terrain consisting of four lanes with inside and outside shoulders and a depressed median. The project also included the coordination of design and construction of a 500' bridge over Talisheek Creek. Kelly provided design support for roadway design and plan production, as well as performed quality control of inroads modeling, provided assistance in quantity take-off calculations, reviewed roadway design plan sheets including Typical Section, Plan & Profile Sheets, and Geometric Layout Sheets, and reviewed permanent signing layout plans (including development of non-standard signs using SignCAD). She also drafted design exceptions and waivers and responded to comments from LADOTD on plan production.</p>
08/20 – Ongoing Ph I 05/21 – Ongoing Ph II	<p>Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58 Engineer of Record. Kelly is the Lead Engineer for the design and plan production of 19 bridge replacements (5 state projects) throughout Central and North Louisiana. Prior to design, she conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Kelly is responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometrical layouts, summary sheets and cost estimates. Kelly reviewed and assisted in the submission of all environmental deliverables including wetland delineations. Kelly oversaw the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions, and Design Waivers.</p>
12/23 - Ongoing	<p>S.P. No. H.015555, LA 1077/Brewster Rd Roundabout; St. Tammany Parish Government; St. Tammany Parish, LA Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 1077 and Brewster Rd. She is responsible for the job planning, including preliminary schematic layouts and defining the project limits. She is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Kelly is responsible for creating design report forms as well as assisting in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings.</p>
03/24 - Ongoing	<p>S.P. No. H.015554, Loyola Dr: 31st St – W Loyola Resurface; City of Kenner, LA Engineer of Record. Kelly is the Lead Roadway Engineer for the design and plan preparation of the resurfacing of Loyola Dr, a Pavement Preservation Project through LADOTD's Urban Systems Program. She was responsible for the job planning, coordinating with LADOTD and City of Kenner. She is responsible for the plan production, quantity take-offs, and cost estimation. The project includes mill and overlay of the 0.6 mile portion of Loyola Dr and includes curb ramp replacement and installation of pedestrian crosswalks. She coordinated with the traffic engineering subconsultant for implementation of the results of the traffic study.</p>
09/17 – 05/19	<p>S.P. No. H.012393, LA 98: Roundabout at Mills Street Project Engineer. Assisted in the design and plan preparation of a single lane roundabout at the intersection of LA 98 and Mills St. in Lafayette Parish. Responsible for the design of H&V alignments, roundabout geometrics, autoturn movements, typical pavement sections, construction sequencing and quantity take-offs. Also assisted in the creation of plan sheets and design documentation.</p>
*previous employer	

16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Brady Smith, PE, PMP		Years of experience with this firm/employer		3
Title	<i>Project Manager, Transportation</i>		Years of experience with other firm(s)/employer(s)		6
Degree(s) / Years / Specialization		Bachelor of Science / 2016 / Civil Engineering			
Active registration number / state / expiration date			PE.0045362 / LA / 09-30-2025		
Year registered	2021	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities: Road Design Brady Smith, PE serves as a project manager for projects that include roadway design, bridge replacements, hydrologic and hydraulic analysis, and drainage design. Brady gained valuable transportation experience while employed by LADOTD. He has experience in a wide variety of LADOTD projects including bridge replacements, bridge inspections, bridge load ratings, roundabouts, interstate ramps, and roadway widening. Brady is experienced in AASHTO and LADOTD's Geometric Design Guidelines as well as Bentley InRoads, MicroStation, AutoTURN, Torus, GeoHECRAS, and LADOTD's HYDRWIN programs. Brady has completed CPTP SCS Cybersecurity WBT training as required by LADOTD and is a certified ATSSA Traffic Control Supervisor (TCS).					
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).				
<i>09/24 - Ongoing</i>	S.P. No. H.015721, LA 30: Roundabout @ St Elizabeth/ S Penn; LADOTD; Ascension Parish, LA Engineer of Record. Brady is the Engineer of Record for the design and plan preparation of an urban multi-lane roundabout at the intersection of LA 30, St. Elizabeth St, and S Penn. He was responsible for the job planning, including preliminary schematic layout and defining the project limits. He is responsible for the design of several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Brady is responsible for creating design report forms as well as assisting in coordinating the environmental process including the creation of exhibits to be utilized at Public Meetings.				
<i>05/23 - Ongoing</i>	Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Project Manager/Engineer of Record. Brady is responsible for developing the project schedule, drafting subconsultant contracts, manhour estimation, site visits & reconnaissance, coordination with LADOTD and Parish personnel, coordination with topographic surveyor, hydraulic subconsultant, and geotechnical consultants. Brady is also the lead engineer for the design and plan production of 5 bridge replacements (3 state projects). He is responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometric layouts, and cost estimates. Brady also oversees the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers.				
<i>03/23 – 07/23</i>	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA Project Engineer. Brady was responsible for managing the final QA/QC review and implementation of review comments of the construction plans for the asymmetrical widening of 2.7 miles of LA 20 to add 8' shoulders near Vacherie, LA. Project scope included horizontal and vertical geometry, drainage design (subsurface and open ditch), cross section roadway elements, and permanent signing and pavement markings.				
<i>02/22 – Ongoing</i>	Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04 & 05 Engineer of Record. Lead engineer for the design and plan production of 13 bridge replacements (6 state projects) throughout North Louisiana. Responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross sectional elements, guardrail calculations, geometric layouts, and cost estimates. Brady is also responsible for the load rating analysis and report for 6 of the proposed structures and quality control for the other 7 proposed structures. Brady is responsible for reviewing and assisting in the submission of all Environmental deliverables including Wetland Delineations. Brady also oversees the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers.				


07/24 - Ongoing	<p>23-EN-HC-0029; Highland Road at Pecue Lane; City of Baton Rouge, East Baton Rouge Parish, LA Project Manager/Engineer of Record. Brady is responsible for developing the project schedule, drafting subconsultant contracts, manhour estimation, and coordination with various project stakeholders, which include the City Parish’s Project Management Team, subconsultants, survey team, and environmental team. Brady has managed the development of the Design Study, which includes a Traffic Design Report, Preliminary Environmental Study, Existing Drainage Map and Existing Right-of-Way Maps. Once an NTP is issued for Final Design, Brady will be the Engineer of Record and responsible for the design and plan production for the proposed intersection improvements at the intersection of Highland Road and Pecue Lane in Baton Rouge, LA.</p>
04/17 – 02/19 *	<p>S.P. No. H.010124, LA-16: Roundabout @ LA-447; LADOTD; Livingston Parish, LA Project Engineer. Brady was responsible for roadway full-sized plan preparation, subsurface drainage design, curb and gutter drainage design, roundabout geometric design, construction phasing, temporary traffic control, required right of way determination and cost estimation.</p>
01/17 – 02/19*	<p>S.P. No. H.008312, LA 1042 Bridges Near Greensburg; LADOTD; St. Helena Parish, LA Project Engineer. Brady was responsible for roadway full-sized plan preparation, bridge approach geometric design, diversion road geometric design, construction phasing, temporary traffic control, required right-of-way determination and cost estimation. Scope included replacing three treated timber trestle bridges along LA-1042 with two reinforced concrete box culverts and one slab span bridge. Diversion roads were required at all three sites for traffic maintenance during construction.</p>
10/23 - Ongoing	<p>S.P. No. H.012864, Carmel Drive Sidewalks; Lafayette Consolidated Government; Lafayette Parish, LA Project Manager/Engineer of Record. Brady is responsible for the design and plan production of 0.7 miles of ADA compliant sidewalks on each side of LA 94 (Carmel Drive) in Lafayette, Louisiana. He is responsible for the development of all design elements including H&V alignments, drainage, sidewalk cross sectional elements, and cost estimates.</p>
09/22 - Ongoing	<p>Eagle’s Nest Ct. Bridge Rehabilitation; Mockler Beverage; Terrebonne Parish, LA Project Manager. This project includes the inspection, design, and rehabilitation of the bridge over Little Bayou Black leading into Mockler Beverage in Houma, LA. This bridge services workers and beverage distribution trucks. Brady provided overall project coordination and was the engineer of record for the bridge inspection and subsequent load rating and inspection report, which recommended rehabilitation of superstructure and substructure components. He has also continued to lead the design efforts for the rehabilitation design and construction plans.</p>
*previous employer	

16. Staff Experience:


Firm employed by: T. Baker Smith, LLC					
Name	Daniel Binet, PE		Years of experience with this firm/employer		11
Title	Lead Transportation Engineer, Bridges		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.0042997 / LA / 03-31-2027		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities: Bridge Design Daniel Binet, PE is the Lead Transportation Engineer, Bridges at TBS with over 11 years of experience in civil and structural engineering. His experience includes project/task management, roadway design, urban and rural bridge replacement and rehabilitation design, bridge widening, bridge inspection, structural analysis, split phase construction sequencing, hydrologic/hydraulic analysis, construction support, and development of construction quantities and estimates. Daniel is very familiar with the LADOTD Off System Bridge Guidelines, AASHTO LRFD Bridge Design Specifications, AASHTO geometric and roadside design guides, LADOTD Bridge Design & Evaluation Manual, LADOTD plan preparation guidelines, and LRFR bridge rating procedures. He is also experienced in using AASHTO BrR, STAAD Pro V8i, LEAP CONSPAN structural analysis software, AutoCAD, MicroStation, InRoads and CADConform.					
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).				
05/23 – Ongoing	Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Engineer of Record/Project Manager. The overall project scope includes the replacement of 12 off-system bridges in Central Louisiana. Daniel is performing QC review of topographic surveys & serves as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including reinforced concrete slab spans & box culverts.				
05/24 – Ongoing	S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA QAQC Reviewer. Daniel provided Quality Assurance and Quality Control for all plan sheets to ensure proper design guideline adherence and plan production standards. Daniel utilized T. Baker Smith’s internal QAQC practices in accordance with those set forth by DOTD to review and finalize submittals, estimates, and design components.				
08/20 - 12/24	Contract 44-17598, Rural Bridge Replacement Initiative, Ph I (47 bridge structures); LADOTD; Districts 04, 05, 08, 58 Engineer of Record/Project Manager. The overall project scope for this projects includes the replacement of 47 bridges throughout 10 Parishes in Louisiana under an expedited schedule. The bridge lengths ranged from 20’ - 340’. As project manager, Daniel performed QC review of topographic surveys & served as the EOR for bridge & road elements including hydraulic analysis, scour, horizontal/vertical alignments, bridge TS&L, structural design, & load rating for all structures including LG-25 girders, RC slab spans, & box culverts. Daniel is also providing bridge and structural construction support for contractor submittals and requests for information.				
05/21 - Ongoing	Contract 44-19336, Rural Bridge Replacement Initiative, Ph II (40 bridge structures); LADOTD; Districts 04, 05 Engineer of Record/Project Manager: The project scope includes replacing 40 bridges across 6 parishes in Louisiana on an expedited schedule, with bridge lengths ranging from 20 to 240 feet. As project manager, Daniel conducted QC reviews of topographic surveys and served as the EOR for bridge and road elements, including hydraulic analysis, scour, horizontal and vertical alignments, bridge TS&L, structural design, and load rating for all structures, including reinforced concrete slab spans and box culverts. Daniel also provides general construction support as necessary.				
03/16 – 04/23	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA Engineer of Record for Bridge Design/Project Engineer. Daniel served as an EOR for the asymmetrical widening of 2.7 miles of LA 20 near Vacherie, LA as a part of a rural arterial widening project. He performed all bridge replacement design tasks which included bridge replacement using split-phase construction methods, superstructure and substructure design using various programs including STADD ProV8i, prepared construction phasing details, foundation plans, and led overall bridge plan production efforts. Additionally, Daniel assisted with roadway widening tasks including sequencing and plan production.				

01/23 - 04/24	<p>S.P. No. H.010557, Lajaunie Road/Lateral 1 Bayou St. Clair Bridge Replacement; LADOTD; Lafayette Parish, LA Engineer of Record (Bridge). Daniel provided hydraulic design, structural analysis, and prepared preliminary plans and final plans for the replacement of the existing structure with a 3-span curved bridge utilizing reinforced concrete slab spans and a quad beam girder span. The spot replacement also included upgrades to RL-3 criteria.</p>
03/23 - Ongoing	<p>S.P. No. H.013199, Country Estates Dr. Over St. Louis Bayou; LADOTD; Terrebonne Parish Engineer of Record. As the Engineer of Record, Daniel plays a pivotal role in ensuring the project's success. His responsibilities include conducting hydraulic and hydrologic analyses to ensure the bridge's resilience against local flow conditions, performing structural design, and utilizing standard plans to meet all necessary specifications. Daniel is also responsible for designing horizontal and vertical geometry and directing and providing QC efforts for detailed roadway models. He is currently providing support during the Right-of-Way acquisition process, assisting the parish in securing the necessary land for the project.</p>
01/23 - Ongoing	<p>S.P. No. H.015405, Keller Street Bridge; St. Tammany Parish/LADOTD; St. Tammany Parish, LA Engineer of Record. Daniel is the Engineer of Record for the bridge components of this IJJA-funded off-system bridge replacement project in St. Tammany Parish. He is responsible for structural design, analysis, and appropriate utilization of LADOTD standard plans and details. Daniel oversees plan development and provides QC efforts for all plan sheets. Currently, the final plan development is awaiting environmental clearance, a crucial step before moving forward with the project.</p>
11/18 - 09/22	<p>S.P. No. H.013144, Pine Bluff Rd./Drain to Cypress Creek & Tack Allen Rd./Drain to Cypress Creek Bridge Replacements; LADOTD; Ouachita Parish, LA Engineer of Record. Daniel served as the Engineer of Record for the Ouachita OSBR project, which involved the replacement of two bridges located on Pine Bluff Rd. and Tack Allen Rd. His extensive responsibilities encompassed vertical and horizontal alignment design, ensuring the new structures integrated seamlessly with the existing roadways, utilizing standard plans where applicable and completed structural design and analysis for a RC slab bridge and a RC box culvert. He also verified the proposed structure hydraulic capacity of both structure types and oversaw the production of the plan set. Daniel provided QC efforts for all plan sheets, including both road and bridge components.</p>
09/15 - 03/23	<p>S.P. No. H.011152, I-12: US 190 to LA 59; LADOTD; St. Tammany Parish, LA Engineer of Record. Daniel performed bridge design and plan preparation for the widening of Ponchitolawa Creek (EB & WB) and Tammany Trace (EB & WB) bridges utilizing AASHTO Type III prestressed girders and reinforced concrete slab spans with varying skew and span lengths. The design was completed using LEAP CONSPAN, STAAD and AASHTO BrR for load rating. He managed production and produced plans and details for the widening which included partial bridge demolition, foundation plans, split phase construction sequencing, widened substructure and superstructure details, and quantity breakdowns. Additionally, he assisted with roadway design including geometrics and drainage. Once the plans were submitted, Daniel provided construction support for RFIs, shop drawing submittals, and general coordination.</p>


16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Daniel Fontenelle, EI		Years of experience with this firm/employer		4
Title	Engineer Intern, Transportation		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2021 / Civil Engineering			
Active registration number / state / expiration date			EI.0034921 / LA / 03-31-2026		
Year registered	2021	Discipline	Civil Engineering Intern		
Contract role(s) / brief description of responsibilities: Roadway Design					
Daniel Fontenelle, EI has over three years of experience in civil engineering, with expertise in off-system and on-system bridge design and bridge inspections by assisting in the plan production and design of over 80 bridge sites and inspection of over 40 bridges. He is proficient in MicroStation and utilizes GeoHECRAS, STAAD, BrR, LEAP Bridge programs.					
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	S.P. No. H.015576, LA 447 & LA 1025: Roundabout; LADOTD; Livingston Parish, LA Project Engineer. Daniel serves as the project engineer for the design and plan preparation of an urban single lane roundabout at the intersection of LA 447 and LA 1025. He designs several roadway elements including the H&V alignments, roundabout geometrics, AutoTURN movements, typical sections, sequence of construction, pay item compilation and quantity take-offs. Daniel has also assisted in creating design report forms.				
05/23 - Ongoing	Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Project Engineer. Daniel provides design and plan production for several sites of the twelve off-system bridge replacements (9 state projects) throughout LADOTD District 08. In addition to the typical bridge design elements, Daniel also designs the H&V alignments, typical sections, roadway cross section elements, geometric layouts, and cost estimate preparation. He also drafts design exceptions for site specific limitations. Daniel performs hydraulic analysis including the calculation of peak discharge at the bridge structure.				
07/21 - Ongoing	S.P. No. H.014407, LA 621 at Roddy Rd; Ascension Parish Government; Ascension Parish, LA Project Engineer. Assisting by producing engineering drawings and plan sets, LADOTD standard plans, performing roadway calculations, design of drainage structures, performing quantity calculations, and assisting in the design of the sequence of construction.				
07/21 – 04/23	S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA Project Engineer. Daniel assisted in plan and detail development, quantifying bridge & roadway elements, & reviewing structural drawings.				
03/23 - Ongoing	US 190: LA 437 to US 190 Bus (Ph. 1); LADOTD; St. Tammany Parish, LA Project Engineer. The project scope includes the design and construction of a new 1,400-foot bridge over the Bogue Falaya River in St. Tammany Parish, LA. The bridge geometry includes both horizontal and vertical curvature and is super-elevated to near 4%. The project also includes roadway improvements and widening for the approaches to the bridge and intersection improvements to the adjacent LA 437 intersection. Daniel is assisting with construction administration				
11/22 - Ongoing	MA-17-01, Roddy Road Widening (LA 935 to LA 621); Ascension Parish Government; Ascension Parish, LA Project Engineer. Daniel is a project engineer for the 1.5mile road widening project and bridge replacement project in Ascension Parish. Daniel provided design elements for this local urban collector road, including drainage design. Daniel also provided design support for the bridge replacement and bridge calculations. The project follows all LADOTD design guidelines and project milestones for project delivery. 100% Final Plans have been delivered to the Parish and the project is awaiting funding.				

16. Staff Experience:


Firm employed by: T. Baker Smith, LLC					
Name	Justin Loup, EI		Years of experience with this firm/employer		5
Title	<i>Engineer Intern, Transportation</i>		Years of experience with other firm(s)/employer(s)		0
Degree(s) / Years / Specialization		Bachelor of Science / 2021 / Civil Engineering			
Active registration number / state / expiration date			EI.0035451 / LA / 09-30-2025		
Year registered	2021	Discipline	Civil Engineering Intern		
<p>Contract role(s) / brief description of responsibilities: Roadway Design</p> <p>Justin Loup, EI is an engineering intern for the TBS transportation group and assists with road design, bridge design, production of engineering drawings and plan sets, and interpretation of LADOTD standard plans. He maintains the ATSSA Traffic Control Supervisor (TCS) and Traffic Control Technician (TCT) certifications.</p>					
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).				
<i>02/24 - Ongoing</i>	<p>S.P. No. H.015555, LA 1077 & Brewster Rd Roundabout; LADOTD / St. Tammany Parish; Madisonville, LA Project Engineer. Justin assists with engineering design, development of horizontal and vertical alignments, hydraulic design, drafting and detailing of road and drainage plans, performing roadway and hydraulic calculations, interpreting LADOTD standard plans, quantifying roadway elements and cost estimates.</p>				
<i>09/24 - Ongoing</i>	<p>S.P. No. H.015721, LA 30: Roundabout @ St Elizabeth/ S Penn; LADOTD; Ascension Parish, LA Project Engineer. Justin assists with the engineering design, development of horizontal and vertical alignments, roadway modeling, hydraulic design-including major subsurface networking, and plan preparation. Justin also provides quantity takeoffs for establishment of plan quantities and cost estimation.</p>				
<i>05/23 - Ongoing</i>	<p>Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Project Engineer. Justin provides design and plan production for several sites of the twelve bridge replacements (9 state projects) throughout LADOTD District 08. Justin designs the H&V alignments, typical sections, roadway cross section elements, and geometric layouts. Justin performs hydraulic analysis including the calculation of peak discharge at the bridge structure. He also assists the Environmental Discipline with the preparation of the permits for wetland delineations, solicitation of view packages, and categorical exclusion documents.</p>				
<i>06/20 – 11/23 05/21 – Ongoing</i>	<p>Contract 44-17598, Contract 44-19336, Rural Bridge Replacement Initiative, Ph I and Ph II (87 bridge structures); LADOTD; Districts 04, 05, 08, 58 Project Engineer. Justin assisted in producing engineering drawings and plan sets, developing horizontal and vertical roadway alignments, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, guard rail design, quantifying bridge and roadway elements, cost estimates, and attending plan-in-hand meetings with the client.</p>				
<i>05/19 – 07/19 05/20 – 04/23</i>	<p>S.P. No. H.013116, LA 20 Widen: LA 307 – S. Vacherie; LADOTD; St. James & Lafourche Parishes, LA Project Engineer. Justin assisted with bridge design and produced engineering drawings and plan sets, temporary erosion control sheets, pavement marking sheets, and Reference Points and Benchmark Elevation sheets, reviewing engineering drawings, interpreting LADOTD standard plans, performing bridge calculations, guard rail design, quantifying bridge and roadway elements, and cost estimates.</p>				

16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Cy Toups, PE		Years of experience with this firm/employer		19
Title	<i>Lead Professional, Environmental</i>		Years of experience with other firm(s)/employer(s)		3
Degree(s) / Years / Specialization		Bachelor of Science / 2002 / Environmental Engineering			
Active registration number / state / expiration date			PE.0033966 / LA / 09-30-2026		
Year registered	2008	Discipline	Environmental		
<p>Contract role(s) / brief description of responsibilities: Environmental Services</p> <p>Cy Toups is a Louisiana-licensed environmental engineer focused on NEPA processes, environmental assessments, and regulatory compliance. With 22 years of experience in the industry, Cy leverages his diversified environmental and regulatory experience to perform due diligence on powerline transmission projects, commercial developments, and public infrastructure improvements that benefit our communities. Cy's passion for improvement in our communities is shown in his commitment to the NEPA process to help strengthen project success and implementation. Cy maintains the following certifications: FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process, as well as ATSSA Traffic Control Supervisor and Traffic Control Technician.</p>					
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).				
06/16-01/19	I-10/Loyola Interchange Improvement LADOTD Jefferson Parish, LA Environmental Professional. Prepared Environmental Assessment (EA) in accordance with the National Environmental Policy Act (NEPA), and other applicable laws for the proposed project. Evaluated the social, economic, and environmental consequences of the alternatives (including the no-build) and presented this information in the EA document. In addition to the formal EA document and Finding of No Significant Impact (FONSI), the Consultant was required to develop separate reports such as Wetland Delineations, Phase I Environmental Site Assessment, Phase I Cultural Resources Survey Reports, and Noise analysis.				
03/19-05/21	S.P. No. H.0115116, LA 20 Widening (LA 307 to S. Vacherie) LADOTD St. James and Lafourche Parishes, LA Environmental Professional. Prepared NEPA document (Categorical Exclusion), developed and edited NEPA documents with LADOTD/FHWA comments, stakeholder comments, public meetings, wetland delineation, T&E reporting, alternative analyses, farmlands and mitigation justification, assisted with USACE, LADNR and USCG permit drawings for the 2.5-mile roadway widening and bridge replacement project.				
02/18-12/22	SP No. H.015688, LA 3127 Extension, LADOTD, Ascension Parish, LA Lead Environmental Professional. Prepared preliminary environmental evaluation report including Phase I ESA, wetland delineations, Threatened and Endangered Species, alternative analysis, SHPO coordination. Assisted with preparation of LADOTD Stage 0 Feasibility Study and led Environmental Assessment (EA) NEPA document preparation upon approval of Stage 0 for the 7-mile, 4-lane rural arterial roadway extension located south of Donaldsonville.				
08/20-10/21	Contract 44-17598 – Rural Bridge Replacement Initiative Phase I LADOTD Districts 04, 05, 08, 58 Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 47 bridge structures in northern Louisiana.				
05/21-Ongoing	Contract 44-19336 – Rural Bridge Replacement Initiative Phase II LADOTD Districts 04 and 05 Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents, and regulatory permit applications for the replacement of 40 bridge structures in northern Louisiana.				

<p><i>05/23 - Ongoing</i></p>	<p>Contract 44-25027, Infrastructure Investment and Jobs Act (IIJA) Off System Bridge Program District 08; LADOTD; District 08, LA Environmental Lead / Engineer. Performed QC review of wetland delineation field work and report preparation, prepared Solicitation of Views letters, NEPA Categorical Exclusion Documents and regulatory permit applications for the replacement of 12 bridge structures in District 08.</p>
<p><i>03/15-12/18</i></p>	<p>H.010116, LA 1088 Corridor Environmental Assessment (LA 59 to I-12) LADOTD; St. Tammany Parish, LA Environmental Professional. Responsible for conducting Phase I ESA field inventory, landowner coordination/survey and research activities, Phase I ESA document deliverable.</p>

16. Staff Experience:

Firm employed by: T. Baker Smith, LLC					
Name	Samantha Baier		Years of experience with this firm/employer		6
Title	<i>Environmental Professional</i>		Years of experience with other firm(s)/employer(s)		2
Degree(s) / Years / Specialization		Bachelor of Science / 2014 / Marine Biology			
Active registration number / state / expiration date			N/A		
Year registered	N/A		Discipline	N/A	
<p>Contract role(s) / brief description of responsibilities: Environmental Professional</p> <p>Samantha has eight years of experience as an environmental professional. Her duties include compliance reporting ranging from Hazardous Waste Management and annual Tier II and Toxic Release Inventory (TRI) reporting to the preparation of Spill Prevention, Control, and Countermeasure (SPCC) Plans, Storm Water Pollution Prevention Plans (SWPPPs), and Emissions Inventories. She is experienced in stormwater, wastewater, and general discharge permits and she procures regulatory permits for various projects in the oil & gas and energy market as well as private industry from USACE and Department of Natural Resources. She has extensive experience preparing Phase I and Phase II Environmental Site Assessments (ESAs) and other regulatory compliance reports to satisfy due diligence, environmental compliance, and health and safety concerns in multiple states. Samantha is an accomplished NEPA practitioner with experience in categorical exclusions (CEs), Environmental Assessments (EAs), and Environmental Impact Statements (EISs). She also prepares technical reports, biological assessments, and biological opinions which may accompany NEPA documentation. She is especially versed in impact analysis of renewable and fossil energy on fisheries in the East and Gulf coasts. Samantha maintains the following certifications: FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process, DOT Certified, OSHA HAZWOPER Certification, RCRA Certified, ASTM Environmental Site Assessment Phase I Training, and USACE Wetland Delineation Training Program</p>					
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).				
<i>05/22-Ongoing</i>	Contract 44-19336 – Rural Bridge Replacement Initiative Phase II LADOTD; Districts 04 and 05 Environmental Professional. Conducted NEPA review, submitted USACE permit applications, prepared SOVs and reviewed responses and coordinated with regulatory agencies.				
<i>08/19-08/19</i>	S.P. No. H.0115116, LA 20 Widening (LA 307 to S. Vacherie) LADOTD; St. James and Lafourche Parishes, LA Environmental Professional. Review environmental documentation to assure LADOTD compliance for the 2.5-mile roadway widening and bridge replacement project.				
<i>2017-2022*</i>	Environmental Assessments (EA) Private Clients; LA and TX Author and Research Lead. Researched and prepared NEPA Environmental Assessments (EAs) for agencies including the National Park Service and FEMA. Prepared biological assessments (BAs) and other technical reports to accompany NEPA documents, when necessary.				
<i>2020-2022*</i>	Industrial Hygiene Monitoring Sturm Ruger & Co., Inc.; Prescott, AZ Environmental Health/Safety Coordinator. Monitored the coolant in 450 CNC machines in her facility for bacteria. Trained maintenance associates on how to monitor and adjust the concentrating and pH of the coolant to maintain smooth operation of the machines as well as to keep the operating associates safe on a biological level. Conducted noise monitoring with dosimeters to be sure that the company was abiding by all hearing conservation regulations. Experience with particulate monitoring for oil mist, lead, and dust particles and conducted period monitoring to ensure airborne contaminants remained under the PEL for the specific constituents.				
<i>*Previous Employer</i>					

Section 17



H.002861, H.013842

Earhart Blvd. (LA 3139)/ Causeway Blvd. (LA 3046) Interchange

Jefferson Parish

Design Engineer: BKI

EOR: René A. Chopin, III, 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)	\$9,200	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$7,600	

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

Project Description: This project features a complete interchange that allows all directions of movement between the two corridors. The interchange has a very compact footprint with unique geometric challenges and includes seven new ramps, including at-grade roadways and bridge structures. Six of the eight movements operate under free-flow conditions, while two are controlled by signals. An elevated, signalized intersection handles the concurrent left turn movements from eastbound Earhart Expressway to northbound Causeway Boulevard and from westbound Earhart Expressway to southbound Causeway Boulevard.

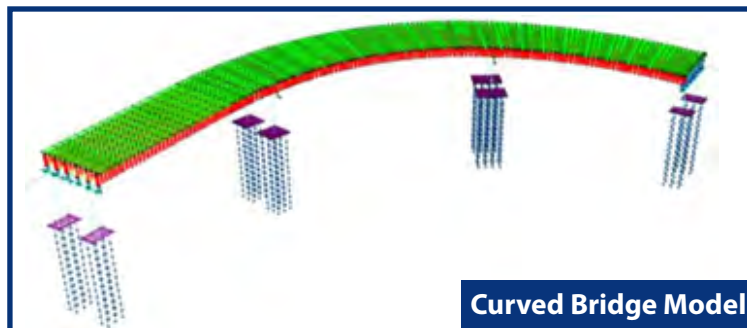
The project enhances connectivity between key regional employment centers along the Earhart Expressway and Causeway Boulevard corridors. The new interchange establishes an additional connection between Earhart Expressway and Interstate 10 via Causeway Boulevard. The existing Causeway Boulevard and Earhart Expressway Bridges were assessed and rated using **Load Resistance Factor Rating (LRFR)**. BKI provided recommendations and designs to address any identified deficiencies.

The **project crosses 6 rail lines** (2 New Orleans Public Belt, 1 Illinois Central, 1 Kansas City Southern RR, and 2 Norfolk Southern RR). BKI coordinated closely with the LADOTD Railroad Construction Program Manager to respond to and address comments from each railroad. Vertical geometry and girder designs **ensured adequate vertical clearances above the tracks. Crash walls** were included at the bents which walls were required.

BKI was also responsible for the **Suggested Sequence of Construction** in this highly dense and urban area, which includes **maintaining traffic on Causeway Blvd. during the bridge rehabilitation and widening**, as well as access to a nearby concrete plant and housing.

PROJECT RELEVANCE:

- Bridge Inspection
- Urban Road/Bridge Design with Phased Construction
- Sequence of Construction
- Rating & Evaluation of Structures
- Supplemental Environmental Assessment
- Curved Steel Plate Girder Design



Curved Bridge Model



Project Layout

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III, PE • Andrew R. Jensen, PE • Henry M. Picard, III, PE, PLS • Rebecca J. Chopin, PE • Rene A. Chopin, IV, PE • Fares Tannous, PhD, PE • Saeed E. Doust, PE, Ph.D • Renee M. Poole, PE • Bailee L. Hurm, EI

17. Firm Experience:

Firm Name	Burk-Kleinpeter, Inc.		Discipline(s)*	bridge / road
Project Name	I-10 Causeway Interchange		Firm responsibility (prime or sub?)	Prime
Project number	SPN 700-26-0229	Owner's Name	Louisiana DOTD	
Project location	<i>Jefferson Parish, LA</i>	Owner's Project Manager	Chad Winchester	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1048, chad.winchester@la.gov			
Services commenced by this firm (mm/yy)	02/00	Total consultant contract cost (\$1,000's)	\$7,212	
Services completed by this firm (mm/yy)	06/13	Cost of consultant services provided by this firm (\$1,000's)	\$6,379	

Firm Role: BKI was retained by the Louisiana Department of Transportation and Development to upgrade the outdated cloverleaf interchange with directional and semi-directional ramps.

Project Description: The improvements were done in two construction phases. Phase I upgraded the eastern half of the interchange and Phase II the western half. Phase I improved the following features: new elevated ramp north-bound Causeway Boulevard to west-bound I-10 (Ramp NCW); new elevated ramp west-bound I-10 to north-bound Causeway Boulevard (Ramp WNC); new at-grade ramp from north-bound Causeway Boulevard to east-bound I-10 (Ramp NCE); new at-grade ramp from west-bound I-10 to Veterans Boulevard including realignment of at-grade north-bound Causeway Boulevard (Ramp WV) and combination existing bridge widening and new at-grade ramp from north-bound Causeway Boulevard to Veterans Boulevard (Ramp NCV). Phase II featured the following major improvements: realignment of northwest frontage road (Ramp WF), new at-grade ramp from Veterans Boulevard to west-bound I-10 (Ramp VW), new at-grade ramp from Veterans Boulevard to east-bound I-10 including realignment of at-grade south-bound Causeway Boulevard (Ramp VE), new at-grade loop ramp from west-bound I-10 to south-bound Causeway Boulevard including widening of existing bridge (Ramp WSC), new elevated ramp from south-bound Causeway Boulevard to west-bound I-10 (Ramp SCW) and new elevated fly-over ramp from Ramp SCW to east-bound I-10 (Ramp SCE). The construction cost was approximately \$90 million.

Challenge to keep the interchange open during all phases of construction. The contractor, James Construction Group, was able to accomplish this by following the suggested sequence of construction prepared by BKI.

PROJECT RELEVANCE:

- Geometric Evaluation
- Road and Bridge Design
- Preliminary & Final Plans
- Construction Sequence
- Cost Estimates
- Construction Engineering Support



Relevant Staff: Rene, A. Chopin, III, PE • Henry M. Picard, III, PE, PLS

17. Firm Experience:

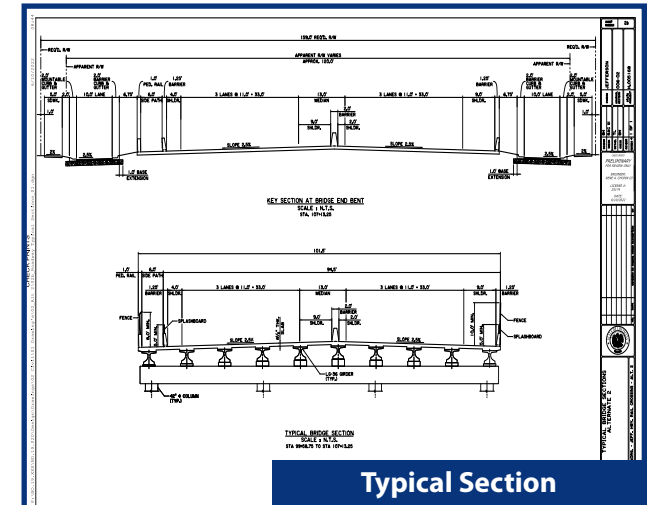
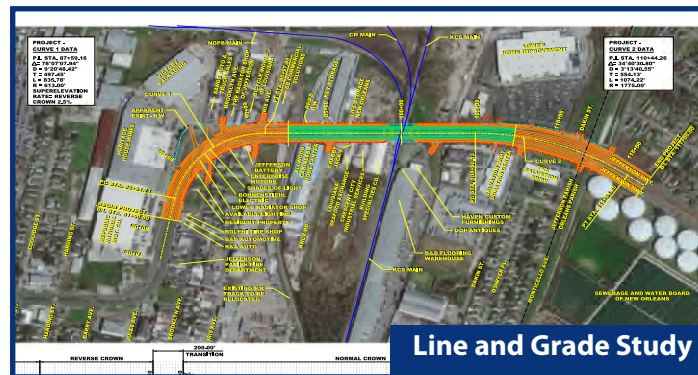
Firm Name	Burk-Kleinpeter, Inc.		Discipline(s)*	road / bridge
Project Name	Jefferson Highway Rail Crossing Relocation		Firm responsibility (prime or sub?)	sub
Project number	H.005168	Owner's Name	Michael Baker, Inc. / LADOTD	
Project location	Jefferson Parish, LA	Owner's Project Manager	Chris Gesing	
Owner's address, phone, email	100 Airside Drive Moon Township, PA 15108, 412-269-4645, cgesing@mbakercorp.com			
Services commenced by this firm (mm/yy)	09/19	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm (\$1,000's)	\$372	

Firm Role: BKL, as part of a project team working under Michael Baker, Inc., will analyze alternatives for improving the current rail crossing of Jefferson Highway in Jefferson Parish, LA. The segment of the corridor being examined is located approximately 1/2 mile west of the Orleans and Jefferson Parish line, between Cicero Street and Monticello Avenue.

Project Description: The review and analysis of alternatives will document potential environmental impacts likely to occur as part of the build scenario of improvements. BKL's planners will assist in the completion of the community assessment to determine the area's general economic and social characteristics. BKL's traffic engineer will review traffic operations on the corridor as well. This analysis will determine if improvements identified as part of this project aid traffic flow and congestion reduction. BKL's engineers will examine alternative improvements, with a **line and grade study** including **upgrades to the existing rail crossing** as well as elevating the main highway over existing rail lines with a **bridge overpass**. BKL uses current DOTD design criteria for the development of engineering items. Assessment of the alternatives' feasibility will consider the length and cost of the bridge structure required for the grade separation of Jefferson Highway. BKL will also assist Michael Baker in the development of preliminary construction costs, assessment of potential community impacts, and possible project-related mitigation. Information prepared will be summarized by SKI into a series of technical memos. BKL will also participate in meetings with the project's steering committee and the general community to discuss key analysis findings. This allows BKL's analyses to be informed by input from these groups.

PROJECT RELEVANCE:

- Line and Grade Study
- Upgrades to existing Rail Crossing
- Community Impact



Relevant Staff: Andrew R. Jensen, PE • Rene, A. Chopin, III, PE • Bailee L. Hurm, EI

17. Firm Experience:

Firm Name	Burk-Kleinpeter, Inc.		Discipline(s)*	environmental / road / bridge
Project Name	I-10 / I-610 Interchange Improvements		Firm responsibility (prime or sub?)	Prime
Project number	SPN 450-15-0092	Owner's Name	Louisiana DOTD	
Project location	Orleans & Jefferson Parishes, LA	Owner's Project Manager	Chad Winchester	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1048, chad.winchester@la.gov			
Services commenced by this firm (mm/yy)	06/87	Total consultant contract cost (\$1,000's)	\$27,000 (Constr. Cost)	
Services completed by this firm (mm/yy)	06/00	Cost of consultant services provided by this firm (\$1,000's)	\$\$27,000 (Constr. Cost)	

The Louisiana Department of Transportation & Development selected BKI to design the addition of one lane in each direction for two miles of urban interstate. BKI designed the reconstruction of the elevated I-10/I-610 split over the 17th Street Canal. The new structure consisted mainly of pre-stressed concrete girder spans and one three-span continuous curved steel girder span unit. Due to drainage conditions, drainage design included 3-ft. slabs over the canal. The requirement that a **minimum of two lanes of traffic in each direction be kept open while construction was performed over the existing alignment** made the construction sequence a key aspect. The suggested construction sequence plan had the contractor utilize the existing I-610 EB overpass for both I-610 EB and I-610 WB movements during different phases while split constructing of the I-10 WB and I-610 EB bridges. **The contractor, Boh Bros. Construction, did not deviate from the suggested sequence of construction and finished the project ahead of schedule to obtain the full incentive.** As part of an environmental assessment included in this project, BKI conducted a series of traffic counts along 10 miles of interstate, analyzed the data, and prepared a series of recommendations to address congestion problems. BKI also performed a detailed noise study and recommended that noise barriers be constructed throughout the corridor. BKI also provided construction engineering support, including handling shop drawings and submittal reviews and answering RFIs. BKI was the 2001 State winner of the National Partnership for Highway Quality's National Achievement Award for quality highway work.

PROJECT RELEVANCE:

- Environmental Assessment
- Traffic Count
- Conceptual Plan
- Structural Design
- Drainage Design, Plans & Specifications
- Construction Sequencing
- Construction Engineering Support

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III, PE • Henry M. Picard, III, PE, PLS



Construction Progress

17. Firm Experience:

Firm Name	Burk-Kleinpeter, Inc.		Discipline(s)*	bridge / road / environmental
Project Name	I-10 at Southern Railroad / Tulane Avenue Interchange		Firm responsibility (prime or sub?)	Prime
Project number	SPN 450-90-0103	Owner's Name	Louisiana DOTD	
Project location	<i>Orleans & Jefferson Parishes, LA</i>	Owner's Project Manager	Chad Winchester	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1048, chad.winchester@la.gov			
Services commenced by this firm (mm/yy)	06/87	Total consultant contract cost (\$1,000's)	\$60,500 (Constr. Cost)	
Services completed by this firm (mm/yy)	06/05	Cost of consultant services provided by this firm (\$1,000's)	\$60,500 (Constr. Cost)	

In an effort to ease congestion along two miles of urban Interstate 10, the Louisiana Department of Transportation and Development selected BKL to design the addition of a fourth through-lane and median shoulders to eastbound and westbound I-10. The addition ties into the widened I-10/I-610 Split project at the Southern Railroad underpass and ends at Tulane Ave. Interchange.

The project also included widening Metairie Road interchange and adding a new 850 CFS pump station to drain the NSRR Underpass, and the construction of noise barriers to reduce noise pollution for the nearby neighborhoods. Widening the Metairie Rd. overpass required that the I-10 westbound entrance and exit ramps along the railroad be moved out. New retaining walls were installed along the railroad to make room for the ramps. Straddle bents were used to tuck the frontage road under the widened overpass along the Metairie Cemetery.

The new 850-CFS pump station, designed to drain the Metairie Road and railroad underpasses, can handle up to a 100-year storm. Noise barriers, for the area and for the previously completed I-10/I-610 split improvements, were constructed with at-grade concrete panels along the roadway and with lightweight plastic along the bridges. The **sequence of construction** was a key aspect in **maintaining a minimum of two lanes of traffic in each direction on I-10 while constructing over the existing alignment**. During construction, the ramps from I-10 were closed. This allowed local traffic to be maintained on the frontage road by moving two-way traffic to the side of the overpass away from construction activities. BKL provided construction engineering support, handling shop drawings and submittal reviews, and answering RFIs. BKL was the 2001 State winner of the National Partnership for Highway Quality's National Achievement Award for quality highway work.

PROJECT RELEVANCE:

- Environmental Assessment
- Traffic Count
- Conceptual Plan
- Structural Design
- Drainage Design, Plans & Specifications
- Construction Sequencing
- Construction Engineering Support

Relevant Staff: Michael D. Chopin, PE • Rene, A. Chopin, III, PE • Henry M. Picard, III, PE, PLS



17. Firm Experience:

Firm Name	Eustis Engineering, L.L.C.		Discipline(s)*	Geotech
Project Name	Almonaster Bridge Over the Inner Harbor Navigation Canal		Firm responsibility (prime or sub?)	Sub
Project number	EE 22066.00, .01	Owner's Name	Port of New Orleans Through Volkert, Inc.	
Project location	New Orleans, LA	Owner's Project Manager	Janet Evans	
Owner's address, phone, email	3466 Drusilla Lane, Baton Rouge, Louisiana 70809, 1-225-218-9440, jan.evans@volkert.com			
Services commenced by this firm (mm/yy)	01/13	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	11/18	Cost of consultant services provided by this firm (\$1,000's)	\$218	

Eustis Engineering performed a geotechnical exploration to support the preparation of both preliminary and final plans for the proposed bridge replacement over the Inner Harbor Navigation Canal along Almonaster Avenue in New Orleans, Louisiana. A unique aspect of this project included restrictions to the construction sequence limiting the channel's closure to marine traffic as well as limiting the closure of the bridge to rail traffic. This project had several stakeholders whose design and operational requirements were considered in the final design. These included LADOTD, the Port of New Orleans, the Southern Belt Railroad, CSX Railroad, the City of New Orleans, SLFPA-East, and the New Orleans District of the U.S. Army Corps of Engineers.

Eustis Engineering drilled land borings (150 feet) for the replacement bridge piers, auger borings (10 feet) for new approach pavements, and marine borings (100 to 200 feet below the mudline) to evaluate the fender system and stability of the proposed modifications and temporary retaining structures required during construction.

Analyses included estimates of allowable vertical pile load capacities to support the proposed bridge replacement and pavement recommendations based on the auger borings. Slope stability analyses were performed for the proposed channel widening and the cofferdam requirements. Lateral load analyses were performed to evaluate the new fender system and bridge support piles. As part of a response to a Value Engineering study, we evaluated the use of drilled shafts. We also provided recommendations regarding vibration monitoring and instrumentation for the existing structures in the project vicinity, including the Interstate 10 "High-Rise" Bridge. Levee and wall stability were assessed as part of the final design. Non-destructive testing (NDT) of the existing Trunion pier was completed by Eustis Engineering as part of the final design phase and included Windsor Probe and Schmidt manual impact hammer tests at accessible locations on the pier. In 2018, subsequent to the final design and with no funding commitments for construction, the Port of New Orleans elected to study additional alternatives for the project. Eustis Engineering assisted in this alternative study.

SERVICES PERFORMED:

- Geotechnical Exploration
- Vertical pile load capacities
- Pavement recommendations
- Non-destructive testing

Relevant Staff: Gwendolyn P. Sanders, PE • Matthew K. Morales, PE • Travis R. Richards, PE



17. Firm Experience:

Firm Name	Eustis Engineering, L.L.C.		Discipline(s)*	Geotech
Project Name	Huey P. Long Bridge Widening, Route U.S. Highway 90		Firm responsibility (prime or sub?)	Sub
Project number	EE 18530, 19483, 20262	Owner's Name	LADOTD Through Modjeski & Masters, Inc.	
Project location	Jefferson Parish, LA	Owner's Project Manager	Bruce Peterson	
Owner's address, phone, email	1055 St. Charles Avenue, New Orleans, LA / 504-524-4344 / bpeterson@modjeski.com			
Services commenced by this firm (mm/yy)	08/06	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	12/14	Cost of consultant services provided by this firm (\$1,000's)	\$697.5	

In 2004, Eustis Engineering was retained by the LADOTD to perform 16 soil borings, to depths of 150 to 175 feet, to supplement available subsoil information. In 2005, Eustis Engineering, through a geotechnical subconsultant agreement with Modjeski & Masters, Inc. (MMI), performed the engineering analyses associated with the design of the bridge approaches. Our services included development of allowable vertical pile load capacities (precast concrete, steel H, and treated ASTM D 25 timber); allowable shaft load capacities (7 and 9 feet in diameter) with and without the benefit of post grouting the shaft tips; estimates of settlement for the proposed pile/shaft groups; evaluation of pile/shaft group capacity and spacing; lateral load analyses of pile foundations for various pile group configurations and loading conditions, in addition to analyses of a single pile, to evaluate the sensitivity of the point of fixity; dewatering and pressure relief recommendations for construction of Pier IVA; and recommendations for test pile and test shaft programs.

In 2006 and 2007, Eustis Engineering provided support to MMI and Louisiana TIMED Managers during railroad modifications completed as Phase II of the project. The engineering services performed during this phase of construction included review of contractor submittals and RFIs; performance of WEAP analyses for hammer approval; dynamic pile testing during the initial installation of the test piles; DPTs during restrikes of the piles one to three days after their initial installation; witnessing static pile load tests performed by others; and selecting pile order lengths for piles on the east and west banks to be installed for Phase II. Beginning in June 2008, Eustis Engineering began providing support services during Phase IV of the widening project. These engineering during construction services included those provided during Phase II (i.e., WEAP, DPT, RFIs, etc.) as well as assigning laboratory tests on soil borings performed by the contractor; review of final boring logs and test results; performance and evaluation of cone penetration tests to supplement the soil borings; review of contractor submittals for cofferdams; CAPWAP® analyses; review of load cell calibrations and observation of compression load tests; recommended pile order lengths and installation criteria; observation of test shaft installation; review and evaluation of crosshole sonic logging on test shafts and production shafts; observation of bi-directional (Osterberg) load testing of shafts; review of load test results; evaluation of shaft tip grouting; witnessing mini-SID inspection of the test shafts and production shafts; review of pile driving logs; and project management. Eustis Engineering participated in progress meetings and partnering meetings, performed periodic site visits, and provided other requested services.

SERVICES PERFORMED:

- Dynamic Pile Testing
- Interpreting crosshole sonic logging results
- CAPWAP analyses

Relevant Staff: Gwendolyn P. Sanders, PE • Chad L. Held, PE • Matthew K. Morales, PE



17. Firm Experience:

Firm Name	Eustis Engineering, L.L.C.		Discipline(s)*	Geotech, Other (Selected CMT)
Project Name	I-10 and I-12 College Drive Flyover Ramp Design-Build Project		Firm responsibility (prime or sub?)	Sub
Project number	H.013897	Owner's Name	LADOTD Through Boh-G.E.C., Inc. Design-Build Team	
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Sherri LeBas, P.E.	
Owner's address, phone, email	8282 Goodwood Boulevard, Baton Rouge, Louisiana, 225-612-4107, slebas@gecinc.com			
Services commenced by this firm (mm/yy)	03/25	Total consultant contract cost (\$1,000's)	Unknown	
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm (\$1,000's)	\$635.7	

This project included a variety of interchange improvements to I-10 West and College Drive including a flyover ramp exit to College Drive in advance of the I-10 and I-12 West merge; a modified exit from I-12 West to College Drive; and a parallel, separated at-grade ramp along I 10 West to the existing College Drive Interchange. Eustis Engineering L.L.C. was part of the design-build team participating in all aspects of this project.

Eustis Engineering L.L.C. completed an exploration of the site to supplement available data comprising ten undisturbed borings, eight cone penetration tests, and fourteen auger or direct push borings. Coordination of traffic control, permitting and safe execution of this exploration in this active and congested interstate corridor were completed by our team. Soil mechanics laboratory tests performed in our accredited laboratory on collected samples consisted of natural water content, unit weight, one-point unconsolidated undrained triaxial compression shear, Atterberg liquid limits and plastic limits, grain size sieve analyses, hydrometer analyses, and one-dimensional consolidation tests. These data were published in a GEOT-01 Geotechnical Exploration Data Report that was reviewed by the State of Louisiana, Department of Transportation and Development (LaDOTD) to confirm compliance with their design requirements.

The design services included developing separate geotechnical design reports for each of seven major project features, specifically a sound barrier/noise-wall; the roadway (mainline and exit ramps); the Ward Creek Bridge widening; the I-10 Westbound Bridge over I-12, including driven piles and drilled shafts; retaining and/or Mechanically Stabilized Earth (MSE) walls at modified bridge abutments; box culverts or flumes for site drainage; high mast lighting, Intelligent Transportation Systems (ITS); and other miscellaneous features. GEOT-09 is the design report for the roadway. This report included evaluation of temporary and permanent asphaltic concrete pavements as well as temporary and permanent Portland Cement Concrete pavements. The LaDOTD provided reviews of draft and final reports and verified design standards were met. We also participated in weekly progress meetings with the project design team and with the project stakeholders. Design review meetings were conducted as part of the quality review process. Our services during construction included observation or performance of testing, including dynamic pile testing.

SERVICES PERFORMED:

- Dynamic Pile Testing
- Traffic control
- Soil mechanics laboratory tests

Relevant Staff: Gwendolyn P. Sanders, PE • Matthew K. Morales, PE • Travis R. Richards, PE



17. Firm Experience:

Firm Name	T. BAKER SMITH		Discipline(s)*	Road
Project Name	LA 30: Roundabout @ St Elizabeth / S Penn		Firm responsibility (prime or sub?)	Prime
Project number	H.015721	Owner's Name	Louisiana DOTD	
Project location	Ascension Parish, LA	Owner's Project Manager	Michael Chorazak	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1091; Michael.Chorazak@la.gov			
Services commenced by this firm (mm/yy)	10/24	Total consultant contract cost (\$1,000's)	\$345	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$345	

The LA 30 Roundabout at St. Elizabeth/S. Penn project, located in Gonzales, LA in Ascension Parish, consists of upgrading the existing signalized intersection at LA 30 and S. Penn Street with a multi-lane roundabout to improve safety, efficiency, and traffic operations along this heavily traveled corridor. The project location is a critical connection point between the residential areas of Gonzales and Ascension Parish and the commercial and industrial developments along LA 30 to the west, and it also serves as the primary access route to St. Elizabeth Hospital located in the southeast quadrant. In addition, the new roundabout will improve connectivity to the Heritage Crossing development.

T. Baker Smith (TBS) is serving as the prime consultant for this project, providing roadway engineering services for both preliminary and final plan development. TBS developed horizontal and vertical geometry in accordance with LADOTD's current roundabout design guidelines and high-speed approach requirements. A major focus of the design was maintaining safe and efficient access to St. Elizabeth Hospital throughout construction. To address this, TBS prepared a suggested sequence of construction and is coordinating with our subconsultant, Vectura Consulting Services, LLC, for the design of temporary traffic signals to ensure traffic continuity.

The project scope also included the design of a new subsurface drainage system, featuring large dual-barrel culverts along the north side of the roadway. TBS has maintained the project schedule with timely milestone submittals, delivering 60% Preliminary Plans ahead of schedule and is currently finalizing the Preliminary Plans. The project is on track for 100% Final Plan delivery by the end of 2025.

PROJECT RELEVANCE:

- Roundabout Design
- Intersection Design
- Hydraulic Design
- Suggested Sequence of Construction

Relevant Staff: Kenny Belou, PE • Kelly Radecker, PE • Daniel Fontenelle, EI • Justin Loup, EI

17. Firm Experience:

Firm Name	T. BAKER SMITH		Discipline(s)*	Road
Project Name	US 190 at Northshore and Camp Villere		Firm responsibility (prime or sub?)	Prime
Project number	H.012812	Owner's Name	Louisiana DOTD	
Project location	St. Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier, PE, PMP	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1185; Jacob.Fusilier@la.gov			
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost (\$1,000's)	\$547	
Services completed by this firm (mm/yy)	12/22	Cost of consultant services provided by this firm (\$1,000's)	\$492	

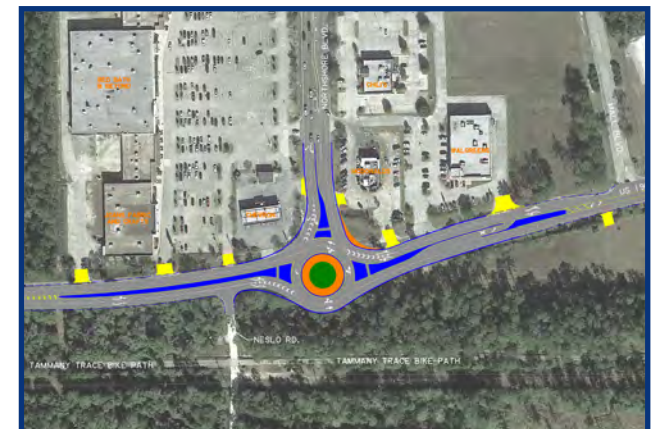
The US 190 at Northshore and Camp Villere project involves upgrading existing signalized intersections at US 190 at Northshore Blvd and US 190 at Camp Villere with roundabouts to improve efficiency and safety along this corridor located in Slidell, LA. Within the project area, Northshore Blvd. is a 4-lane divided urban corridor which intersects with US 190, a 3-lane urban corridor. A three-legged, multi-lane roundabout was designed as the replacement of the existing signalized intersection at this location. Avoidance of adjacent commercial properties and the nearby Tammany Trace was held paramount during design. Included within the project, the nearby stop controlled intersection of US 190 and Camp Villere Rd. was replaced with a three-legged single lane roundabout. All roundabouts were designed to accommodate pedestrian movements with 7' berms for future sidewalks and splitter island accessibility. Major subsurface drainage ran parallel to US 190 and Northshore that had to be replaced with the new roadway and roundabout. A major component of the design included the early development of the Construction Phasing Plan. This plan was carefully coordinated with LADOTD, St. Tammany Parish, and LADOTD District 62 and reflected the Parish and District's desire to maintain traffic through the US 190 and Northshore Boulevard intersection.

T. Baker Smith served as the prime consultant on the project providing all roadway design, hydraulic analysis, preliminary and final plan development, a specialized and detailed written construction phasing plan as well as oversight of temporary traffic signalization design for use during construction. TBS has submitted 98% Final Plans to LADOTD in December 2022. LADOTD subsequently placed the project on hold due to funding. TBS expects to submit 100% Final Plans once project resumes.

PROJECT RELEVANCE:

- Roadway Design
- Intersection Design
- Hydraulic Design
- Suggested sequence of Construction

Relevant Staff: Kenny Belou, PE • Kelly Radecker, PE • Daniel Fontenelle, EI • Justin Loup, EI



17. Firm Experience:

Firm Name	T. BAKER SMITH		Discipline(s)*	Road
Project Name	I-12 Widening (US 190 to LA 59)		Firm responsibility (prime or sub?)	Prime
Project number	H.011152	Owner's Name	Louisiana DOTD	
Project location	St. Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier, PE, PMP	
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1185; Jacob.Fusilier@la.gov			
Services commenced by this firm (mm/yy)	10/16	Total consultant contract cost (\$1,000's)	\$2,606	
Services completed by this firm (mm/yy)	03/23	Cost of consultant services provided by this firm (\$1,000's)	\$1,648	

The I-12 Widening project consisted of approximately four miles of Interstate widening in St. Tammany Parish. The project included three lanes in both the Westbound and Eastbound directions, with associated bridge widening and work at the interchange ramps. The project limits began West of the I-12/US 190 interchange and ended at the I-12/LA 59 interchange. Included within these limits were three bridge sites for a total of six structures including I-12 over US 190, I-12 over Ponchitolawa Creek, and I-12 over Tammany Trace/Ohio Railroad.

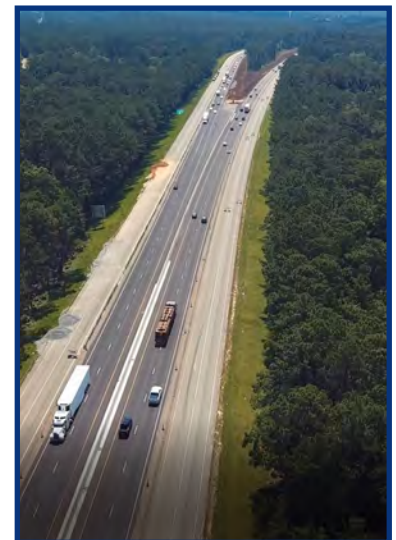
TBS was responsible for the design and widening of I-12 between the US 190 and LA 59 interchanges. Within these limits were the Ponchitolawa Creek Bridges and Tammany Trace Bridges. The I-12 over Ponchitolawa Creek bridges each span 175' in length and include 25' reinforced concrete slab spans. I-12 over Tammany Trace (old Gulf, Mobile & Ohio Railroad) each consist of AASHTO Type III prestressed girders founded on 30" PPC pile bents. The Tammany Trace bridges consist of varying skews due to the alignments of the Tammany Trace Walking Path and canal below. Portions of the Interstate include varying median widths with forested areas. The existing surface is asphalt concrete and the widening section will include Open Graded Friction Course wearing surfaces.

TBS served as the prime consultant on this project and was responsible for all roadway and bridge widening design aspects including interstate widening & reconstruction, drainage design, H&V geometric layout, 54- inch concrete median barrier design, permanent interstate signage, coordination for roadway lighting and ITS. TBS prepared the engineering reasoning and decision document and signing plans which ground mounted and overhead footing sign support locations, guardrail design for sign installation, sign shop drawings, and clearance diagrams for overhead signs. Portions of the roadway required complete reconstruction to meet vertical geometric requirements at bridge approaches. TBS was responsible for the design of the bridge widening for the Ponchitolawa Creek and Tammany Trace bridges including TS&L, partial bridge demolition, foundation layout, substructure design, AASHTO Type III prestressed girder design (on varying span skews), Load Rating (LRFR) for the existing and widened structures utilizing AASHTOWare BrR. TBS was also responsible for the Level 4 Traffic Management Plans. TBS Submitted 100% Final Plans in August 2019 and served in a Construction Support Role to DOTD through the completion of construction in Q1 2023. This included revisions of the pavement marking plans due to the construction status of the adjacent project (H.011137). TBS also provided QAQC for pavement marking plans of the adjacent project at the request of DOTD.

PROJECT RELEVANCE:

- Roadway Widening Design

Relevant Staff: Kenny Belou, PE • Kelly Radecker, PE • Daniel Binet, PE • Justin Loup, EI • Daniel Fontenelle, EI





Section 18

SPN 700-26-0229

I-10 Causeway Interchange

Jefferson Parish

Design Engineer: BKI

EOR: René A. Chopin, III, PE

INTRODUCTION TO PROJECT TEAM

Burk-Kleinpeter, Inc. (BKI) will act as the primary consultant leading the Line and Grade (L&G) Study, overseeing project management, bridge design, construction sequencing, hydraulic, and road design services. BKI has a proven history of completing L&G Studies, complex geometric designs, and detailed construction sequences for the Louisiana Department of Transportation (LADOTD). Most notably, BKI's Chief Engineer, Rene A. Chopin, III, PE, has accomplished similar tasks for LADOTD along the I-10 corridor, from Mid City New Orleans to the City of Kenner, over his extensive 37-year career at BKI. His experience includes projects such as the I-10 at Southern Railroad/Tulane Ave. Interchange, I-10/I-6-10 Interchange, Causeway I-10 Interchange, I-10 Widening on Veterans Blvd. to Clearview Blvd. and Williams Blvd. Interchange. His expertise in construction sequencing, bridge design—including the use of curved steel girders—and road design will be vital to the project team.

For this project, BKI has carefully selected sub-consultant firms with the necessary professional expertise and local knowledge to meet the Department's requirements and ensure the project's timely completion. **Eustis Engineering, L.L.C. (Eustis Engineering)** will complete all geotechnical services. Their expertise in geotechnical design for bridge foundations in Louisiana will help the structural engineers to design the most efficient foundations, which will be situated near railroad tracks and utilities within the tight corridor. **T. Baker Smith, LLC (TBS)** will perform road design, including the roundabout, and will also handle any environmental tasks needed. BKI has a strong history of successful collaboration with both firms, each of which has individually demonstrated success working with LADOTD.

PROJECT MANAGEMENT

Andrew Jensen, PE, will lead the project team as the Project Manager (PM). He has recent experience in a similar role on **67 bridge replacements and over 11 years of experience on LADOTD projects**. His expertise includes project management, road design, and bridge design. Andrew has seen projects from the environmental stages through construction for LADOTD, making him proficient in LADOTD processes. Andrew will draw on the knowledge of **Rene A. Chopin, III, PE, who has 37 years of LADOTD project experience**, and will serve as the QC/QA Manager. The project leaders, Andrew and Rene, are highly qualified

and capable of delivering another successful project for LADOTD.

Upon receiving the Notice to Proceed (NTP), the BKI Team will hold a pre-design kickoff meeting to discuss project scope, including members from BKI, LADOTD, the LADOTD PM, and stakeholders. BKI will hold weekly meetings with all sub-consultants for coordination, and bi-weekly progress updates with the LADOTD PM, including status reports and schedule updates. Andrew Jensen, PE, will review progress and share info with the LADOTD project manager. BKI aims for seamless collaboration with LADOTD, leveraging past success with similar projects and a commitment to meeting or exceeding expectations.

DETAILED LINE AND GRADE STUDIES:

The BKI team has demonstrated expertise in complex bridge design and L&G studies. BKI has the expertise to collaborate across disciplines (roadway, bridge, environmental, and geotechnical) to successfully deliver roadway and bridge projects on time and within budget.

BKI has completed several complex bridge designs and Line and Grade studies, most recently the Jefferson Highway Rail Crossing Line and Grade Study, as well as the Causeway Earhart Interchange design, which includes curved steel girder design, crosses six rail lines, and unique bent designs to avoid conflicts with utilities. Both project descriptions can be found in Section 17.

Understanding the Scope

Per the Scope of Services, roadway improvements consist of reconstructing and widening of US 11 from US 90 to I-12 to relieve traffic congestion. This includes the replacement of the US 11 bridge over Norfolk-Southern Railroad (NSRR) in St. Tammany, Louisiana. All engineering services are to be in accordance with the design and construction phasing outlined in the Environmental Assessment (EA) document.

The Consultant shall develop two (2) detailed line and grade studies with different project limits and scopes per the following alternatives:

1. L&G Alternative 1: Widening US 11 to four (4) travel lanes, which includes replacing the existing 2-lane

bridge with four (4) lanes and 8-ft shoulders as outlined in the EA document.

2. L&G Alternative 2: A reduced project scope to replace the existing bridge with a 2-lane and 8ft shoulders bridge with the option to widen the new bridge to 4 lanes in the future.

All design work will be in accordance with the LADOTD Bridge Design and Evaluation Manual, Standard Specifications, and Standard Plans. This includes optimizing the span arrangement to reduce the superstructure depth and overall bridge length, while providing the required design vertical and horizontal clearances over the current and future NSRR tracks, and minimizing the required right-of-way. **Bridge superstructure and substructure analyses will identify cost-effective alternatives that are constructible using conventional methods and do not interfere with existing bridge foundations, utilities, and drainage structures, and are adaptable to phased construction and future widening.** The BKI team will prepare a **utility conflict matrix** and coordinate with LADOTD and utility agencies/owners to **minimize impacts on existing utilities and drainage structures**. Finally, the BKI team will prepare preliminary construction cost estimates of all temporary and permanent work. In addition, the BKI team is available to provide additional scope items, including but not limited to preliminary and final plans, environmental, and construction support services.

Existing US 11 over NSRR

Constructed in 1937, the US 11 over Norfolk Southern Railroad (NSRR) bridge is an urban arterial conveying two (2) 12-ft. undivided lanes, no shoulders, and 3-ft.± wide curbs. Bridge railing consists of beam and post railing with thrie-beam traffic railing retrofit to meet current Standards. The overall bridge length is 828 ft, divided into 20 spans of concrete deck on steel I-beams. Per the EA document, the existing bridge is functionally obsolete and structurally deficient. The substructure consists of concrete pile bents, hammerhead piers, and steel cap straddle bents at spans over the railroad. Preliminary analysis concluded that the do-nothing option does not meet the current traffic demand and bridge deficiencies. In addition, the structural rehabilitation and widening option is

not economically feasible due to noted structure deterioration and will not meet the roadway design criteria and the required vertical and horizontal clearances over NSRR.

Design Criteria

BKI will review the design criteria prepared in the EA Document to determine any modifications in accordance with LADOTD design criteria and update as needed to develop the horizontal and vertical alignments. This includes establishing the design class and design speed, lane widths, horizontal and vertical clearances, etc., in addition to furnishing the Table of Design Criteria.

All design documentation and plans shall meet the LADOTD standards and format, and be in accordance with the applicable editions, supplements, and revisions of the following:

1. AASHTO LRFD Bridge Design Specifications, 9th Edition.
2. Louisiana Standard Specifications for Roads and Bridges (2016).
3. LADOTD Bridge Design and Evaluation Manual (2018) with Revisions.
4. LADOTD Standard Plans and Special Details.
5. AREMA Manual for Railway Engineering (as needed).
6. AASHTO Guide Specifications for High Performance Steel.
7. AASHTO Guide Specifications for Horizontally Curved Steel Girder Highway Bridges.

Typical Section

BKI will review the typical sections (roadway and bridge) provided in the Environmental Document. This will be evaluated in terms of design criteria, vertical and horizontal clearances, constructability and phase construction, as well as construction cost. BKI will prepare typical sections for both Scope alternatives for review and approval by LADOTD.

L&G Alternative 1 bridge section width is 68'-6" accommodating four (4) 11-ft. lanes, two (2) 8-ft. shoulders, 6-ft. median, and two (2) 1'-3" 36" single-slope traffic railings. Bridge fencing will be provided over NSRR.

In **L&G Alternative 2**, bridge replacement will be completed in two phases. Phase 1 consists of constructing a 40'-6" wide bridge accommodating two (2) 11-ft. lanes, 8-ft. shoulders, and 36" single-slope traffic railings. Under a separate construction contract, when funding is available, the Phase 1 bridge will be widened to convey four (4) 11-ft. lanes, 8-ft. shoulders, 6-ft. median, and 36" single-slope railings.

Note that the City of Slidell and St. Tammany Parish do not have plans to convey pedestrian traffic on the overpass bridge, and the 8-foot shoulders can accommodate future bicycle lanes.

Horizontal Alignment

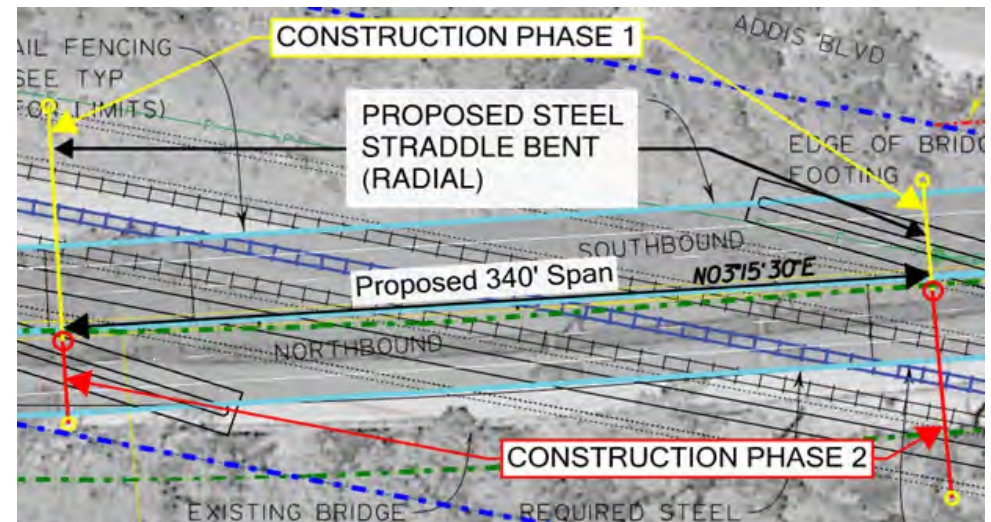
BKI will conduct a detailed field reconnaissance to assess field conditions and survey data, and to identify any existing features that may impact construction staging. This includes existing roadways and the bridge over NSRR, utilities and drainage structures, wetlands, developed properties, and railroad crossings. Example issues of interest to be addressed with proposed alignment include,

but are not limited to, maintaining access of local traffic on Addis Boulevard during bridge construction; access to businesses on US 11, intersection and signalization improvements, and coordination with railroad, utilities, LADOTD, and local City and Parish government. **BKI will furnish the proposed alignment that accommodates both scope alternatives, including all relevant data, bridge limits, utility and drainage features, and intersection improvement.** Near the US 11 over the NSRR bridge, the proposed alignment is to minimize the impact on existing utilities, railroad and highway right-of-way, environmentally sensitive areas, and local traffic.

Design Controls Criteria will be developed for each alternative, including but not limited to:

1. General Criteria including Reference Manuals, Design Vehicle, and design speed.
2. Horizontal Geometry Criteria, including lane width, shoulder width, median width, lateral offsets, clear zone width, rate of superelevation, minimum curve radius, length of horizontal curve, and maximum deflection through intersections.

After the initial investigation of the EA documents, BKI estimates that the main span over the railroad will be the center span of a 990', 3-span continuous unit (325' - 340' - 325'). The bents will be radial to the baseline as shown in the figure below.



Vertical Alignment

BKI will review the proposed vertical alignment reported in the Environmental Document and existing bridge plans. **The bridge and roadway designers will closely coordinate to provide the optimal profile grade that yields economical Construction Phase 1 and Construction Phase 2 final bridge sections,** while addressing existing utilities and drainage structures, the existing bridge, vertical and horizontal clearances, right-of-way, and environmental impacts, as well as project construction limits. In addition, Vertical Geometry Criteria will be

developed for each alternative, including but not limited to stopping sight distance, maximum profile grade, minimum length of vertical curve, crest and sag vertical curve (K-value), maximum change in grade base clearance, and structure vertical clearances over roadway or railroad crossings, and for new or existing signal or sign structures.

GEOTECHNICAL ENGINEERING

Over the past three quarters of a century, Eustis Engineering has worked on over 380 State of Louisiana and LADOTD projects, either as a prime or sub-consultant. These projects have varied in complexity, ranging from simple laboratory tests on a project to major interstate projects with multiple bridges, encompassing exploration, design, and construction phase services.

Eustis Engineering's approach for this project will include the evaluation of the geotechnical data furnished by LADOTD for a nearby project, along with our local knowledge of the area, to perform a data gap analysis and develop a project-specific scope of exploration that will include land and marsh access. We anticipate the performance of soil borings and **cone penetration tests (CPTs)** for the bridge structure, along with **shallow direct push borings** for a subgrade survey to address embankment widening for new pavements. We will perform an assessment of permitting and traffic control for this exploration program. Prior to the exploration, preliminary available data will be utilized to inform the evaluation of alternatives for the project layout. **Design analyses will include slope stability and settlement of embankments, pile/shaft foundations, retaining structures, pavements, and culverts, considering LADOTD and AASHTO Load Resistance Factor Design requirements, as well as project phasing.**

When the project moves to the construction phase, our engineering team can also perform and evaluate construction monitoring, including testing programs for piles and shafts. We have observed and evaluated static load tests conducted using conventional reaction frames as well as bi-directional tests. We have performed **dynamic pile testing** with signal matching verification on the installation and restrikes of driven pile foundations at indicator, monitor, and test pile locations. We have evaluated the integrity of driven piles using

dynamic testing and/or pile integrity testing (PIT) and the integrity of shafts using **Thermal Integrity Profiler™ (TIP™)** and **single hole and crosshole sonic logging (SSL and CSL)**.

SEQUENCE OF CONSTRUCTION

BKI will develop construction sequence details for both line and grade study alternatives. Per the Scope, **two lanes of traffic (one (1) northbound and one (1) southbound) shall be maintained throughout the construction duration.** The roadway construction sequence will focus on preserving access to local businesses and minimizing the impact on traffic within project limits, as well as minimizing the impact on existing utilities, right-of-way, construction easements, and environmental impacts.

L&G Alternative 1 & 2 will consist of constructing a 4-lane bridge utilizing phased construction. **Phase 1** will include the following tasks, consisting of the construction of a 2-lane bridge east of the existing bridge. The existing bridge will remain open to traffic during the construction of the new bridge. Matters that the project team will consider during **Phase 1** are as follows:

- 1. Identify and relocate** as needed all **utilities** interfering with bridge construction. This includes the overhead power lines and poles, fiber optic, and telephone.
- 2. Proper selection of structure type and span arrangement to minimize conflict with existing bridge foundations and utilities.** When possible, all foundations are to be located outside the RR horizontal clearance envelope; otherwise, crash walls are to be provided for impact protection.
- 3. Span arrangement and superstructure type** will be carefully investigated. Precast elements or cast-in-place slabs will be evaluated for approach spans. For the bridge section spanning NSRR, a steel girder with a composite concrete deck is recommended. **A hybrid steel alternative utilizing HPS-70W or 100W will be investigated for longer spans while optimizing the steel member depth and weight.** This can reduce steel and substructure costs while facilitating construction.
- 4. To achieve the required minimum vertical clearance of 23'-4" over NSRR, integral steel box or post-tensioned concrete straddle pier caps**

are recommended. Combined with hybrid steel, it will help achieve an optimal vertical profile grade. Furthermore, all substructure bents will be placed radially with the alignments (zero skew), thus eliminating skew design and detailing effects on the superstructure deck and expansion joints.

5. BKI understands that the existing bridge is structurally deficient and may not be used to position precast or steel girders for erection in place. BKI will investigate utilizing NSRR to deliver precast or steel elements. In addition, during design, the location of temporary shoring and girder field splices will be carefully coordinated to avoid constructability issues during construction.

6. BKI will coordinate with the geotechnical engineer to investigate several foundation types and configurations, such as drilled shaft, to limit the foundation footprint and eliminate potential vibration adverse effects on nearby structures. Should pile driving be utilized, vibration and settlement monitoring of RR tracks and residential structures in the vicinity of pile driving may be needed. In addition, coordination with local authorities is recommended to limit pile driving operations to daytime (residential communities nearby).

7. Early communication and coordination with NSRR and RailPros is essential to avoid potential schedule delays. Construction activities within the NSRR property will require a formal agreement. This requires a plan review, a detailed scope, scheduling, and signed agreements. Permits may include Non-environmental Right of Entry for temporary excavation, temporary shoring, temporary berms for access and staging of construction equipment. Therefore, BKI will coordinate with the LADOTD Railroad Construction Program Manager to obtain the necessary agreements at an early stage. Furthermore, BKI understands that the **NSRR service is to be maintained through construction.**

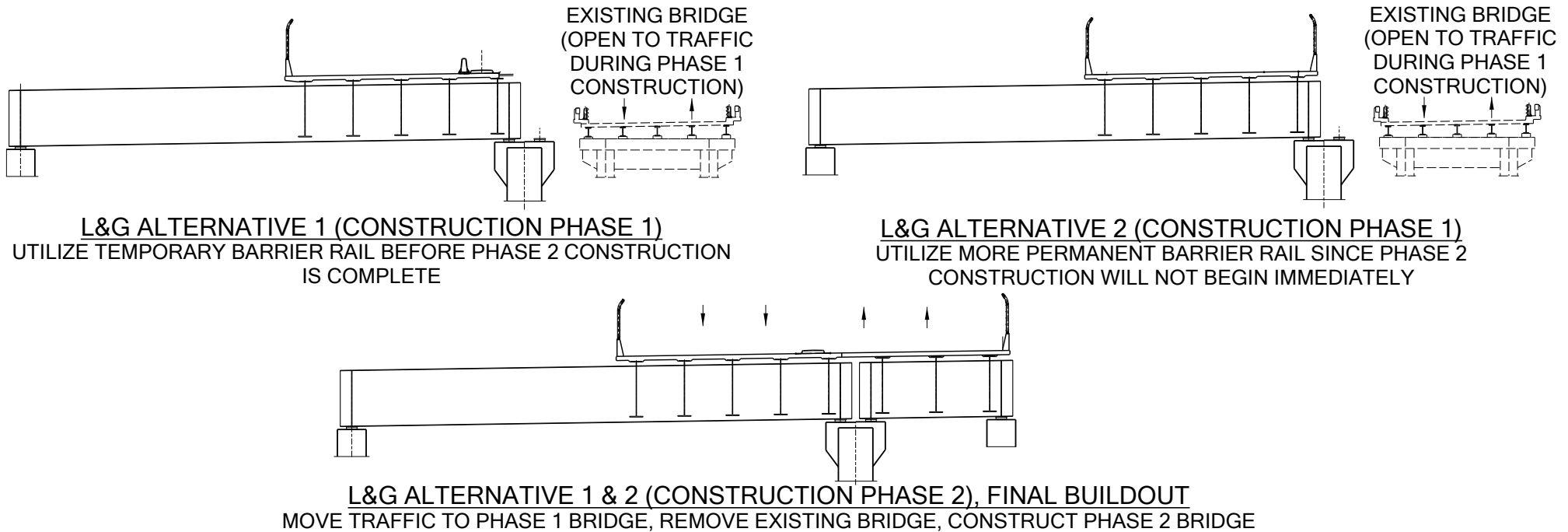
8. Should the contractor elect to construct temporary access berms east or west of the existing bridge to facilitate equipment access, local access on Addis or Front Street shall be maintained, and any environmental impacts shall be below the permit threshold.

Once the **Phase 1** bridge construction is complete, traffic will be shifted onto the new **Phase 1** bridge,

and the existing bridge will be removed. Then, the **Phase 2** bridge widening to 4 lanes can be completed either immediately under the same construction contract (**L&G Alternative 1**) or in the future under a separate construction contract (**L&G Alternative 2**). To expedite the **Phase 2** construction schedule, utility, and roadway work, BKI recommends that the approach roadway and substructure bents and piers specifically over the NSRR be completed during

Phase 1, should LADOTD elect to limit the Scope to constructing a 2-lane bridge only (**L&G Alternative 2**). If **L&G Alternative 2** is selected, BKI will design the bridge under **Phase 1** to allow for future widening.

THE TYPICAL SECTIONS SHOWN BELOW DEMONSTRATE THE SEQUENCE OF CONSTRUCTION AS DESCRIBED ABOVE



PROJECT SCHEDULE

The schedule below outlines the Project Team's expected milestones and time-line for completion of the initial services (180 days). Project schedules for additional services will be provided once the scope of work has been defined and will meet or exceed project requirements.

		MONTHS FROM TASK TO KICKOFF					
		0	1	2	3	4	5
INITIAL SERVICES							
Task 1	Detailed Line and Grade Studies, Sequence of Construction, Preliminary Cost Estimate						
	30% Design Reports and Typical Sections						
	DOTD Review						
	60%						
	DOTD Review						
	90%						



Sections 19-23

SPN 700-26-0229


I-10 Causeway Interchange




Jefferson Parish


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**
 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	N/A
	Bridge			N/A
	Environmental			N/A
	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	\$894
	Bridge			\$101
	Environmental			\$20
	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	\$987	
Bridge			\$112	
Environmental			\$22	

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	\$2,939
	Bridge			\$2,449
	Environmental			\$54
 Eustis Engineering, L.L.C.	CE&I/OV	DOTD S.P./Task Order No. H.015028.6.	LADOTD LA 302: Bayou Baratavia Bridge Replacement, Phase 1	\$15,000
	Geotech	DOTD S.P No. H.015028.6. 4400019017, Task Order 03	LADOTD LA 302: Bayou Baratavia Bridge Replacement, Phase 1	\$51,000
	CE&I/OV	LADOTD Contract No. 4400021740. S.P. No. H.004100.6. F.A.P. No. H004100. 11265001.000 I-10 CMAR	LADOTD I-10: LA Highway 415 to Essen Lane on I-10 and I-12, Phase I: West of Washington Street to Essen Lane, Phase I, Segment 01: West of Washington Street to Acadian Thruway, Route I-10,	\$14,000
 T. Baker Smith, LLC	Road	4400013407 / H.013199	Country Estates Dr. over St. Louis Bayou	\$750
	Bridge			\$799
	Road	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	\$94,882
	Bridge			\$95,935
	Environmental			\$34,658
	Other (Contract Management)			\$18,707
	Road			4400024928/ H.015721 (Task Order #2)
	Road	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	\$210,309
	Bridge			\$123,313
	Environmental			\$40,849
	Other (Construction Support)			\$102,092
	Other (Contract Management)			\$64,629
	Other (Hydraulics)			\$3,788
Survey	\$106,384			

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project name	Remaining unpaid Balance**
	Road	4400024928 / H.015587 (Task Order #3)	LA:3211 @ Yokley Road Roundabout	\$47,840
	Other (Construction Support)	4400013203 / H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	\$82,364
	CE&I / OV	4400025760 / H.011137	I-12: LA 1077 to LA 21 (CE&I)	\$1,074,700
	Survey	4400021973 / H.009892	US 90 FR: Extension to LA 329	\$73,365
	Survey	4400021973 / H.014308	Pope Lane IC RR Xing	\$159,701
	Survey	4400021973 / H.016322	LA 81: W/ - 11 Lateral & Bayou Black Brs	\$84,880
	Survey	4400021973 / H.016323	LA 37: Glass Branch Bridge	\$42,492
	Survey	4400021973 / H.016324	LA 1047: Drain Bridge	\$42,623
	Survey	4400021973 / H.016326	LA 36: Drain Bridge	\$42,057
	Survey	4400021973 / H.016333	LA 95: Over Bayou Bridge	\$50,138
	Other (SUE)	4400025511 / H.012449	KCS Xings Between Gayosa St. & Louise (BTR)	\$138,308
	CE&I/OV	4400029889 / H.013269.6	Audubon Ave Ovly: LA 1 to Terrebonne P/L (E&I)	\$21,100
	Road	4400024928 / H.015576 (Task Order #1)	LA 447 @ LA 1025: Roundabout	\$70,322
	Road	4400024298 / H.016095 (Task Order#4)	LA 70 Rehab: Marguerite St to US 90	\$112,922
	Other (SUE)	4400025511 / H.014308.5	Pope Ln: IC RR xing	\$13296
	Road	4400021973/H.015308	I-49: I-10 - St. Landry Parish Line	\$162,953
	Survey			\$139,289

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




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

Mr. Henry Maurice Picard III

License/Certificate Type - Number
PE.0022289

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. Farhad H. Mogharrebi

License/Certificate Type - Number
PE.0027984

Status: **Active** Exp Date: 09/30/2026



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

Mr. Rene' Adrian Chopin III

License/Certificate Type - Number
PE.0025174

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. Henry Maurice Picard III

License/Certificate Type - Number
PE.0022289

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

Ms. Renee Poole

License/Certificate Type - Number
PE.0047869

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. Andrew Robert Jensen

License/Certificate Type - Number
PE.0043382

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. Rene' Adrian Chopin IV

License/Certificate Type - Number
PE.0042349

Status: **Active** Exp Date: 09/30/2026




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
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



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
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 Expiration Date
PE.0041841 03/31/2026

Status: **Active**



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

Mr. Fares Elias Tannous

License/Certificate Type - Number
PE.0047542

Status: **Active** Exp Date: 09/30/2025

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 Blvd

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000024	Active	09/12/1984	09/30/2027	Mr. Henry Maurice Picard III # PLS.0004736

20. Certifications/Licenses:



(https://www.sos.la.gov/Pages/default.aspx) Search for Louisiana Business Filings

[Buy Certificates and Certified Copies](#) [Subscribe to Electronic Notification](#) [Print Detailed Record](#)

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

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

[Back to Search Results](#) [New Search](#) [View Shopping Cart](#)

© 2025 Louisiana Department of State

[Privacy](#) - [Terms](#)

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. Certifications/Licenses:

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

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

Ms. Gwendolyn Philips Sanders

License/Certificate Type - Number Expiration Date
PE.0027104 **09/30/2025**

Status: **Active**

Name: Public Address:
 Eustis Engineering Eustis Engineering
 L.L.C. L.L.C.

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003558	Active	09/13/2006	03/31/2027	Mr. Benjamin Mcmillan Cody # PE.0030292 ; Mr. Travis Russell Richards # PE.0030992

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

Mr. Chad Lloyd Held

License/Certificate Type - Number Exp Date: **09/30/2026**
PE.0030257

Status: **Active**



Buy Certificates and Certified Copies Subscribe to Electronic Notification Print Detailed Record

Name	Type	City	Status
EUSTIS ENGINEERING L.L.C.	Limited Liability Company	METAIRIE	Active

Previous Names
 EUSTIS ENGINEERING SERVICES, L.L.C. (Changed: 3/31/2016)
Business: EUSTIS ENGINEERING L.L.C.
Charter Number: 36251453K
Registration Date: 8/17/2006
Domicile Address
 3011 28TH STREET
 METAIRIE, LA 700026019
Mailing Address
 C/O GWENDOLYN P. SANDERS
 3011 28TH ST.
 METAIRIE, LA 700026019
Status
Status: Active
Annual Report Status: In Good Standing
File Date: 8/17/2006
Last Report Filed: 7/23/2025
Type: Limited Liability Company

Registered Agent(s)
Agent: GWENDOLYN SANDERS
Address 1: 3011 28TH STREET
City, State, Zip: METAIRIE, LA 700026019
Appointment Date: 3/16/2020

Officer(s) Additional Officers: No

Officer:	GWENDOLYN P. SANDERS
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 70002
Officer:	JAMES HANCE
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 70002
Officer:	CHAD HELD
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 70002
Officer:	TRAVIS RICHARDS
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 70002
Officer:	LAWRENCE W. ROME
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 70002-6019
Officer:	SEAN WALSH
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 700026019
Officer:	BENJAMIN CODY
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 700026019
Officer:	MATTHEW MORALES
Title:	Manager
Address 1:	3011 28TH STREET
City, State, Zip:	METAIRIE, LA 700026019

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

Mr. Travis Russell Richards

License/Certificate Type - Number Exp Date: **03/31/2027**
PE.0030992

Status: **Active**

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

Mr. Matthew K. Morales

License/Certificate Type - Number Expiration Date
PE.0038211 **09/30/2025**

Status: **Active**


Amendments on File (7)

Description	Date
Disclosure of Ownership	9/15/2006
Domestic LLC Agent/Domicile Change	5/28/2014
Domestic LLC Agent/Domicile Change	3/31/2016
Appointing, Change, or Resign of Officer	3/31/2016
Name Change	3/31/2016
Domestic LLC Agent/Domicile Change	3/16/2020
Appointing, Change, or Resign of Officer	3/8/2021

Back to Search Results New Search View Shopping Cart

Privacy - Terms

20. Certifications/Licenses:



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

Mr. Kenneth John Belou Jr.

License/Certificate Type - Number
PE.0038850

Status: **Active** Exp Date: 09/30/2026




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

Mr. Cy Jacob Toups

License/Certificate Type - Number
PE.0033966

Status: **Active** Exp Date: 09/30/2026




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

Mrs. Kelly B. Radecker

License/Certificate Type - Number
PE.0043919

Status: **Active** Exp Date: 03/31/2026



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

Mr. Daniel M. Fontenelle

License/Certificate Type - Number
EI.0034921

Status: **Active** Exp Date: 03/31/2026



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

Mr. Brady Paul Smith

License/Certificate Type - Number
PE.0045362

Status: **Active** Exp Date: 09/30/2027




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

Mr. Justin Michael Loup

License/Certificate Type - Number
EI.0035451

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. Daniel Joseph Binet

License/Certificate Type - Number
PE.0042997

Status: **Active** Exp Date: 03/31/2027

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

Name: T. Baker Smith, LLC
Public Address: Ms. Lorre Autin
P. O. Box 2266

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003388	Active	12/20/2005	03/31/2026	Mr. Kenneth William Smith # PE.0024642

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

Name: T. Baker Smith, LLC
Public Address: Ms. Lorre Autin
P. O. Box 2266

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000551	Active	12/20/2005	03/31/2026	Mr. Kenneth William Smith # PLS.0004772

20. Certifications/Licenses:

3/12/25, 1:19 PM

Search for Louisiana Business Filings



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

Search for Louisiana Business Filings

[Buy Certificates and Certified Copies](#) | [Subscribe to Electronic Notification](#) | [Print Detailed Record](#)

Name	Type	City	Status
T. BAKER SMITH, LLC	Limited Liability Company	HOUMA	Active

Previous Names

T. BAKER SMITH, L.L.C. (Changed: 3/23/2011)
 T. BAKER SMITH, INC. (Changed: 12/13/2010)
 T. BAKER SMITH & SON, INC. (Changed: 4/20/2005)

Business: T. BAKER SMITH, LLC

Charter Number: 26901340K

Registration Date: 1/7/1965

Domicile Address

412 SOUTH VAN AVENUE
 HOUMA, LA 70363

Mailing Address

P.O. BOX 2266
 HOUMA, LA 70361

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 1/7/1965

Last Report Filed: 12/9/2024

Type: Limited Liability Company

Registered Agent(s)

Agent: KENNETH W. SMITH
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363
Appointment Date: 10/29/2001

Officer(s)

Additional Officers: No

Officer: KENNETH W. SMITH
Title: Manager
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363

Amendments on File (11)

https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetails.aspx?CharterID=107297_A855D5E639

3/12/25, 1:19 PM

Search for Louisiana Business Filings

Description	Date
Domicile, Agent Change or Resign of Agent	10/9/1974
Disclosure of Ownership	2/12/1992
Disclosure of Ownership	9/9/1997
Domicile, Agent Change or Resign of Agent	10/29/2001
Disclosure of Ownership	1/30/2004
Name Change	4/20/2005
Disclosure of Ownership	11/21/2005
Disclosure of Ownership	10/11/2007
Name Change	12/13/2010
Conversion	12/13/2010
1 2	

[Back to Search Results](#) | [New Search](#) | [View Shopping Cart](#)

© 2025 Louisiana Department of State

1/2

https://coraweb.sos.la.gov/CommercialSearch/CommercialSearchDetails.aspx?CharterID=107297_A855D5E639

2/2

Quality Control/Quality Assurance Plan

for

Contract No. 4400032800

US 11 Norfolk Southern RR Overpass (HBI)

Route: US 11

H.000688.5

District 62

Prepared by



For



September 9, 2025

Quality Control/Quality Assurance Plan

Contract No. 4400032800

Contents

Key Personnel.....	ii
1. Introduction.....	1
2. Definitions and Abbreviations.....	1
3. QC/QA Process.....	3
4. Software.....	8

Appendix A: Consultant Submittal QC/QA Certification

Appendix B: BKI Pre-Design/Planning Report

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

Appendix D: Design Criteria Checklist

Appendix E: Status of Drawings and Other Submittals Form

Appendix F: Final Calculation Book Checklist

Appendix G: Color-Coded Marking Procedures

Appendix H: QA Information Package Checklist

Appendix I: QC/QA Certification

Appendix I.1: QC/QA Certification of the Status of Bridge Design Calculations

Appendix J: Peer Review Resolution Agreement

Appendix K: Software Approval

Appendix L: Software Verification

Appendix M: Road Design 100% Preliminary Plans QA/QC

Appendix N: Road Design Final Plans QA/QC

Key Personnel
Quality Control/Quality Assurance Plan
Contract No. 4400032800

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
René A. Chopin, III, P.E.	Responsible for road and bridge design oversight
Rebecca Chopin, P.E.	Responsible for bridge design
Saeed Doust, Ph.D., 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
Henry M. Picard, III, PE, PLS	Responsible for hydraulics and hydrology oversight
René A. Chopin, IV, P.E.	Responsible for hydraulics and hydrology
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: René A. Chopin, IV, P.E.

Quality Control/Quality Assurance Plan

for

Contract No. 4400032800

US 11 Norfolk Southern RR Overpass (HBI)

Route: US 11

H.000688.5

District 62

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...
(Standard Description from Market Data)

Scope (attachment): See attached contract Scope of Work

Pre-Design / Planning Meeting Report

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

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 specialized 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:

Appendix E

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)

BKI NO.XX.XXX
 DATE:

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							
MISCELLANEOUS 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:

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)

BKI NO.XX.XXX
 DATE:

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 -		X			Green "checkmark"			Agrees
3	Check		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

	Designer	Design Checker	Comments		Remarks
			Y/N	Resolved Y/N	
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Project Length Table is accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The CS Log Miles are accurate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The arrows on the Layout Map are pointing to the correct location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The beginning, ending, equation and other event callouts match the same callouts on the plan sheets.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The north arrow is shown on the Layout Map.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The scale for the Layout Map is labeled correctly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TYPICAL SECTION SHEETS			
The typical section matches the design provided by Section 67.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The projects limits are covered by the typical sections.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Superelevation diagrams and/or tables have been provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All measurements, thicknesses, and slope rates have been labeled and checked.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAN-AND-PROFILE SHEETS			
All of the alignment information is shown and has been checked for accuracy. (including horizontal and vertical curve data)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Superelevation transition and rates are shown in the profile.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Median openings are in compliance with appropriate policies and EDSM's.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design exceptions that are required have been completed and documented in the plans.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design exceptions can be located in the project files.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Utilities were considered when setting Required Right-of-Way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The North Arrow is shown with the proper scale.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All right-of-way ties are shown, at all right-of-way breaks, and along curves as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right-of-way markers are shown at all breaks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits of construction is shown and located within required right-of-way or construction servitude.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Taking lines do not extend beyond the project limits.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Driveways, sidewalks, turnouts, etc. within right-of-way (either existing or required) are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All concrete/asphalt removal is shown with appropriate patterns, including driveways, sidewalks, parking lots, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CROSS SECTIONS			
Right-of-way and construction servitude lines are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversions are shown as appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diversions do not interfere with proposed construction sequence.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Earthwork quantities are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proposed sections do not extend beyond Required Right-of-Way.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Designer: _____

Date: _____

Reviewer: _____

Date: _____



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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The latest versions of Standard Plans are used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The type of construction is correct.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The projects limits, bridge sites, equations and exceptions are shown on the layout map. It matches the length in the project table.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Design exceptions (if any) are shown on title sheet and can be located in ProjectWise.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TYPICAL SECTION SHEETS			
All station ranges are accounted for. They match limits shown on Title Sheet and Plan/Profile sheets.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternate pavements (if required) are provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The limits of seeding and fertilizer are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Typical sections are provided for transitions and detour roads. Appropriate pay items are included.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Maintenance/liability agreement (if needed) has been completed for sidewalks, lighting or bike paths, and it can be located.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Description	Designer	Reviewer	N/A
SUMMARY SHEETS			
Detailed check of all quantity tabulations (addition and multiplication) has been completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed check of tables matching the plans (typical sections, plan/profiles, cross sections, etc.) has been completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Detailed check of quantity transfers from tables to Master Summary has been completed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quantities from all disciplines are accounted for (i.e. road, bridge, traffic signals, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAN-AND-PROFILE SHEETS			
Check all notes; verify how all work items will be paid.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Question notes that modify specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The rights-of- way widths are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Areas where abandoned roadways are to be obliterated and graded have been shown on the plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Locations, sizes and descriptions of drainage structures to be removed are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Required construction and drainage servitudes have been shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bedding material has been shown under cross drains.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Driveway types, widths and stations are shown. Handicap ramp types and items are shown. They match tables.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limits of construction are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The diversion alignment is shown, if required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESIGN DRAINAGE MAP			
All drainage areas, direction of flow, run-off factors etc. are shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Channel realignments (as needed) have been shown.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing structures required to remain are noted and numbered.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GEOMETRIC DETAILS			



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



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
 Eustis Engineering, L.L.C.	3011 28th St, Metairie, LA 70002	Gwendolyn P. Sanders, PE gsanders@eustiseng.com	(504) 834-0157
 T. Baker Smith, LLC	17927 Old Jefferson Highway Prairieville, LA 70769	TJ Stokes, PE TJ.Stokes@tbsmith.com	(985) 302-0728

23. Location:

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.**

N/A