Stanley Consultants INC.

LA 44: Pelican Point Roundabout Potential Design Visualization

LA 44: Pelican Point Roundabout and Widen

Route: LA 44; Ascension Parish
Louisiana Department of Transportation and Development (LADOTD)

Contract No.: 4400028434
State Project No.: H.015568.5

February 6, 2024

Stanley Consultants INC.

721 Government Street
Suite 302
Baton Rouge, LA 70802

P: 225.387.2422
F: 225.387.2423
stanleyconsultants.com

Cover Letter

Louisiana Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, LA, 70802

RE: Contract No-4400028434 – LA 44: Pelican Point Roundabout and Widen

Dear Members of the Selection Committee:

The Louisiana Department of Transportation and Development (DOTD) is looking for a consultant to provide complete design services for Contract No. 4400028434. Stanley Consultants has teamed with HNTB Corporation, and Vectura Consulting Services, LLC to provide a comprehensive, experienced Team that is immediately available for this important DOTD contract. HNTB will be supporting us for bridge design services. They bring a wealth of bridge evaluation and design experience to our team's capabilities. Vectura's diverse skillsets enable them to be able to take on many different traffic related assignments, allowing them to help us meet or exceed the assigned DBE goal of 6% of this contract. Stanley Consultants' key team members consisting of Blake Roussel, Principal-In-Charge, Jesse Tisdale, Project Manager, and Ed Wedge, Client Services Manager, can attest to how important this contract is to our team. We are confident in providing DOTD with:

A PASSIONATE FOCUS ON PROJECT DELIVERY. Our focus on project delivery and our passion for our clients, projects, and stakeholders set Stanley Consultants apart! The Louisiana Department of Transportation and Development (DOTD) has identified the LA 44 corridor from I-10 to LA 22 in Gonzales, LA as one in need of extensive roadway infrastructure improvements to better serve local residents and the traveling public. We understand that an early phase of these corridor improvements, S.P. No. H.010909 LA 44: Widening and Roundabout at LA 941, is under contract for construction and that this LA 44: Pelican Point Roundabout and Widening project will tie in and continue moving the planned LA 44 roadway infrastructure improvements forward. Local residents are currently experiencing unacceptable traffic delays through this project area. It has been determined that a solution of controlling access, providing pavement widening, eliminating traffic signals, and constructing roundabouts will bring much needed safety improvements and relief from congestion.

These enhancements are critical to stakeholders in the area. We are firm believers that it is our responsibility to improve the safety of the traveling public while meeting the needs of our clients and stakeholders. We look for every opportunity to make their goals our own. The City of Gonzales is experiencing explosive economic development. DOTD and Stanley Consultants are ready to partner with them to deliver this important project. With our own internal Project Management Program (PMP), we track and monitor all of our projects to ensure both their timely delivery and to confirm that we are fulfilling the goals and needs of each project safely and efficiently.

STAFF AND FIRM EXPERIENCE DESIGNING ROUNDABOUTS. Exemplified in our Sections 16 and 17 Staff Experience and Firm Experience are numerous roundabout design and plan development projects. In particular, the US 171 at Boone St. Roundabout project has been highlighted indicating that Stanley Consultants has delivered roundabout projects to construction for DOTD. Please note the client review narrative included on the Section 17 project description providing DOTD with a comfort level that we have the right skillset and experience to deliver a project similar in scope of work to this LA 44: Pelican Point Roundabout and Widening project.

OUR RELIABLE & EFFICIENT TEAM

- **STANLEY CONSULTANTS, INC.** — Prime Consultant (Road)
- **HNTB CORPORATION** — Bridge
- **VECTURA CONSULTING SERVICES, LLC** — Traffic

FLEXIBLE WORKLOADS & AVAILABLE RESOURCES. Stanley Consultants has carefully reviewed our resourcing plan for this project and have determined that we have the availability to adequately staff it based on the anticipated project schedule and other ongoing commitments. Please refer to our Approach and Methodology for more details. Our Team is deep and well versed in roadway design. We can immediately begin working with the DOTD PM on scoping phase activities.

APPROACH & METHODOLOGY. The Stanley Consultants Team has put together an Approach and Methodology (Section 18) that proves we have done our homework. We illustrate an understanding of the intricacies of the project and the preferred project delivery schedule. We also have a complete understanding of the typical DOTD Plan Delivery Process, proving that we can deliver as per DOTD's required design and plan delivery workflow.

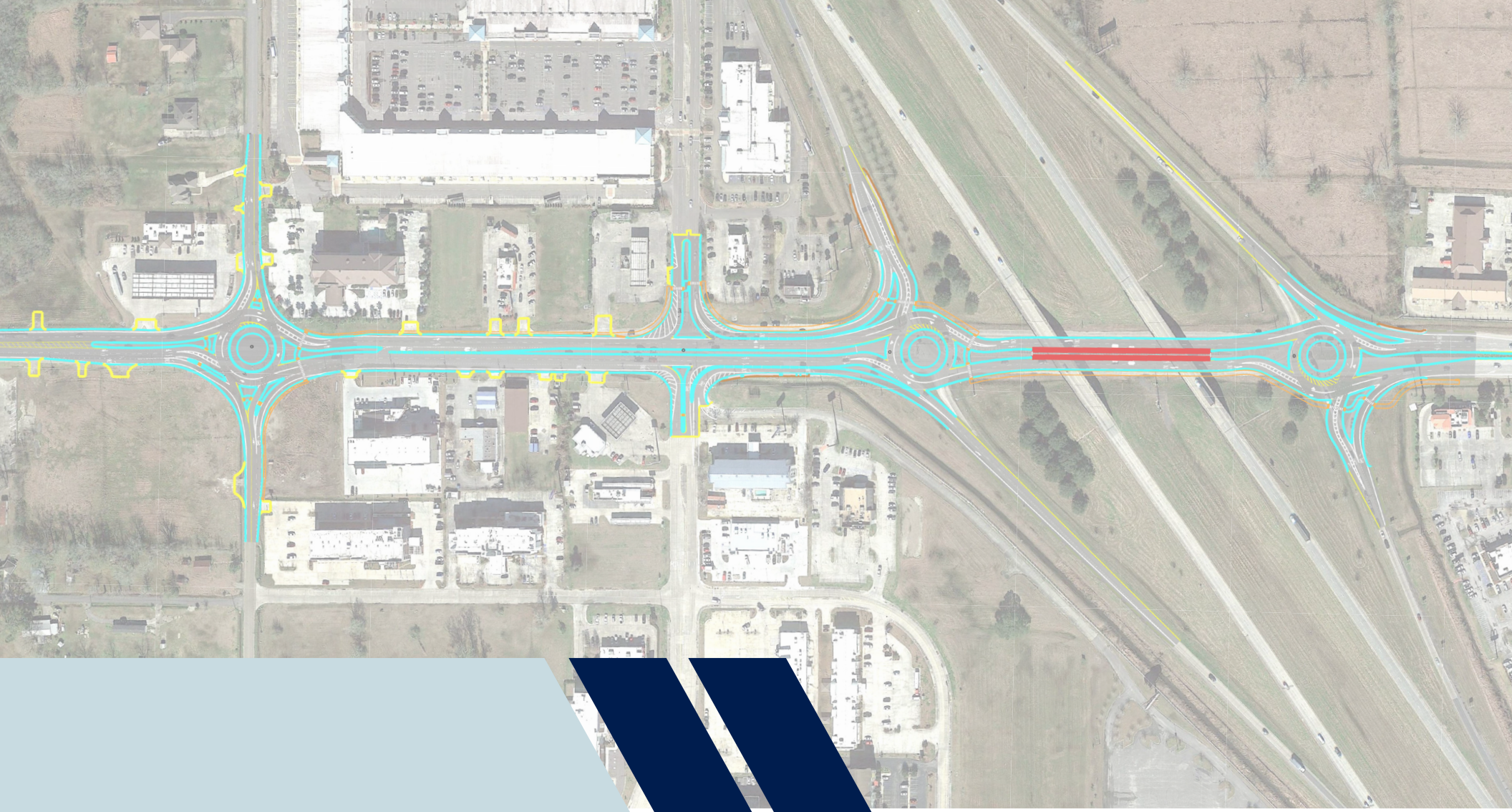
Thank you for the opportunity to partner with DOTD and other important stakeholders to deliver this critical project. If you have any questions, please contact Blake, our main point of contact during the project proposal phase. His contact information is (225) 936-1604 (cell), and email: RousselBlake@stanleygroup.com.

Sincerely,

Stanley Consultants, Inc.

Jesse Tisdale, PE
Project Manager
(O): 225-388-4220

Blake Roussel, PE, PMP
Principal-in-Charge
(O): 225-388-4211



Sections 1-13

LA 30 Roundabouts at Tanger Mall and I-10
Designed by Stanley Consultants

DOTD FORM: 24-102

(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	LA 44: Pelican Point Roundabout and Widen
2. Contract Number(s) as shown in the advertisement	4400028434
3. State Project Number(s), if shown in the advertisement	H.015568.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Stanley Consultants, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF 000762
6. Prime consultant mailing address	721 Government Street, Suite 302; Baton Rouge, LA 70802
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	721 Government Street, Suite 302; Baton Rouge, LA 70802
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Blake Roussel, PE, PMP – Principal-in-Charge (T): 255-388-4211 Rousselblake@stanleygroup.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Blake Roussel, PE, PMP – Principal-in-Charge (T): 255-388-4211 Rousselblake@stanleygroup.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.	Blake S. Roussel Signature above shall be the same person listed in Section 9: February 6, 2024 Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s):	Firm(s)' %:
	Vectura Consulting Services, LLC	6%

12. Past Performance Evaluation Discipline Table

Past Performance Evaluation Discipline(s)	% of Overall Contract	Stanley Consultants (Prime)	HNTB Corporation	Vectura Consulting Services, LLC	Each Discipline must total to 100%
Road	70%	100%	--	--	**100%**
Bridge	24%	10%	90%	--	**100%**
Traffic	6%	--	--	100%	**100%**
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	**100%**	72.4%	21.6%	6%	100%

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)
Stanley Consultants, Inc.	Principal	1	2
Stanley Consultants, Inc.	Supervisor – Eng	4	6
Stanley Consultants, Inc.	Engineer	4	7
Stanley Consultants, Inc.	Engineer Intern	3	6
Stanley Consultants, Inc.	CADD Technician	1	3
Stanley Consultants, Inc.	Administrative	1	2
HNTB Corporation	Accountant	0	2
HNTB Corporation	CADD Technician	2	2
HNTB Corporation	Clerical	0	2
HNTB Corporation	Engineer	4	7
HNTB Corporation	Engineer Intern	2	2
HNTB Corporation	Engineer – Other	0	6
HNTB Corporation	Principal	0	1
HNTB Corporation	Senior Technician	0	2
HNTB Corporation	Supervisor – Eng	3	5
HNTB Corporation	Supervisor – Other	0	4
Vectura Consulting Services, LLC	Supervisor – Eng	2	2
Vectura Consulting Services, LLC	Engineer	3	3

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (if needed)
Vectura Consulting Services, LLC	Engineer Intern	1	2
Vectura Consulting Services, LLC	Inspector	0	2
Vectura Consulting Services, LLC	Supervisor – Other	0	1

Sections 14-16

I-12 Widening Over Tchefuncte River
Designed by Stanley Consultants

14. Organizational Chart

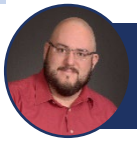
LEGEND:

- Stanley Consultants, Inc.
- HTNB Corporation
- Vectura Consulting Services, LLC
- ★ Meets MPR Criteria
- △ Meets Traffic Engineering Process & Report Training Requirements
- * Part-time Employee

The Stanley Consultants team was carefully assembled to assure compliance with DOTD required MPRs. Our Principal in Charge, Blake Roussel, PE meets MPRs 1 and 2. Our PM, Jesse Tisdale, PE and Adam Fields, PE meet MPR 3. Benjamin Goodner, PE meets MPR 4, and Joshua Porter, PE meets MPR 5. Sheelagh Brin Ferlito, PE, PTOE and Laurence Lambert, PE, PTOE, PTP both meet MPR 6.

DOTD PROJECT MANAGER

PRINCIPAL IN CHARGE
Blake Roussel, PE, PMP★



PROJECT MANAGER
Jesse Tisdale, PE★△

CLIENT SERVICE MANAGER
Ed Wedge, PE *

ROADWAY DESIGN

- **Adam Fields, PE**★ — Senior Civil Engineer
- **Travis Barr, PE** — Senior Civil Engineer
- **Jared Blohowiak, PE** — Civil Engineer
- **Aidan Carter, PE** — Civil Engineer
- **Kayla Lafitteau, EIT** — Engineer-In-Training

MOT & CONSTRUCTABILITY REVIEWS

- **Rob Pratt, PE** — Principal Civil Engineer

BRIDGE DESIGN

- **Luis Santana, II, PE** — Senior Structural Engineer
- **Eric Huskey, PE** — Senior Structural Engineer
- **Joshua Porter, PE**★ — Bridge Task Lead
- **Benjamin Goodner, PE**★ — Bridge Task Lead
- **Marc Hoffmann, PE** — Bridge Project Engineer
- **Patrick Duffy, PE** — Bridge Project Engineer
- **Brian Powell, PE** — Geotechnical Task Lead
- **Jared Sommers, PE** — Geotechnical Task Lead
- **Patrick Roth, PE** — Inspection Task Lead

TRAFFIC DESIGN

- **Sheelagh Brin Ferlito, PE, PTOE**★△ — Principal
- **Laurence Lambert, PE, PTOE, PTP**★△ — Supervisor
- **Reece Rodrigue, PE, PTOE**△ — Project Traffic Engineer
- **Kristen Farrington, PE, PTOE, RSP$_1$**△ — Project Traffic Engineer
- **Bridget Robicheaux, PE, PTOE ***△ — Project Traffic Engineer

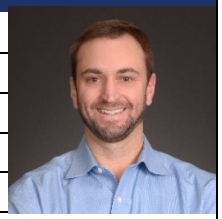
15. Minimum Personnel Requirements

MPR No. Do not insert wording from ad	Personnel Being Used to Meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm Employed By	Type of License and Discipline Meeting MPR/ certification & number (Ex: PE # – Civil)	State of License	License / Certification Expiration Date
1	Blake Roussel, PE, PMP	Stanley Consultants, Inc.	PE #33279 – Civil Eng PMP #2018301	LA USA	Sep 30, 2025 Mar 23, 2026
2	Blake Roussel, PE, PMP Jesse Tisdale, PE	Stanley Consultants, Inc. Stanley Consultants, Inc.	PE #33279 – Civil Eng PE #40972 – Civil Eng	LA LA	Sep 30, 2025 Mar 31, 2025
3	Jesse Tisdale, PE Adam Fields, PE	Stanley Consultants, Inc. Stanley Consultants, Inc.	PE #40972 – Civil Eng PE #35614 – Civil Eng	LA LA	Mar 31, 2025 Sep 30, 2024
4	Benjamin Goodner, PE	HNTB Corporation	PE #38208 – Civil Eng	LA	Mar 31, 2024
5	Joshua Porter, PE	HNTB Corporation	PE #39513 – Civil Eng	LA	Sept 30, 2025
6	Sheelagh Brin Ferlito, PE, PTOE Laurence Lambert, PE, PTOE, PTP	Vectura Consulting Services, LLC Vectura Consulting Services, LLC	PE #25383 – Civil Eng PE #29901 – Civil Eng	LA LA	Sep 30, 2025 Mar 31, 2024

(Add rows as needed)

16. Staff Experience

Firm Employed By: Stanley Consultants, Inc.			
Name:	Blake Roussel, PE, PMP	**Years of relevant experience with this employer:**	16
Title:	Senior Transportation Engineer	**Years of relevant experience with other employer(s):**	5
Degree(s) / Years / Specialization:		BS / 2003 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE #33279 / LA / 9/30/2025; PMP #2018301 / USA / 3/23/2026	
Year Registered:	2007	**Discipline:**	Civil Engineering / Project Management Professional



Over his two-decade career in Louisiana, he has designed or managed 20+ projects for DOTD.

Meets MPRs No. 1, 2

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Principal-in-Charge

RESPONSIBILITIES: Blake will also be responsible for project resourcing and ensuring that this contract is receiving adequate staffing levels to maintain project schedules.

PROFESSIONAL PROFILE: Blake specializes in managing design teams for the development of transportation infrastructure projects. **Over his two-decade career in Louisiana, he has designed or managed 20+ projects for DOTD.** His professional experience encompasses project management and construction plan preparation for complete streets, road design, and highway projects, in accordance with DOTD plan preparation guidelines. Prior to joining Stanley Consultants, Blake gained valuable transportation experience employed by DOTD.

Blake is a certified Project Management Professional (PMP), which is recognized across the world as the gold standard in project management. This rigorous study and certification process prepared him to lead teams effectively and efficiently. Blake's design experience includes geometrics, earthwork, drainage, utilities relocation, traffic control, quantities computations, cost estimating, preparation of final contract documents, development of three-dimensional roadway models, and roadway designs using MicroStation and ORD.

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).
06/15 – Present	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation, Excel, and HYDRWIN.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** Project Principal responsible for ensuring the project is receiving adequate resources to maintain project schedules and ensuring proper QA/QC procedures are being followed.

Firm Employed By: Stanley Consultants, Inc.	
11/18 – 04/22	**H.011137 I-12 LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Project Principal responsible for assisting and overseeing portions of the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Additional responsibilities include QC of plans and design, project coordination, and scheduling.
06/18 – 01/21	**H.012964 US 61: Bluebonnet Blvd to S. End US 190, DOTD, East Baton Rouge Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
10/18 – 03/20	**H.012304.5 LCG Road Overlay Program, DOTD, Lafayette Parish, LA:** PM responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/18 – 12/19	**H.012861 Prejean Road, DOTD, Lafayette Parish, LA:** PM responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
03/17 – 08/19	**H.009633 LA 67: EBR P/L to 8 Miles North of EB, DOTD, East Feliciana Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
06/13 – 04/19	**Village De L'est Neighborhood, City of New Orleans, New Orleans, LA:** PM responsible for the roadway scoping, pavement rehabilitation design, plan preparation, construction administration, and construction resident inspection for urban local roadways. The scoping phase includes a Project Scope Report based on the results of pavement damage inspection review and assessment and its applicable rehabilitation recommendations. The scoping report includes scoping plans, pavement rehabilitation quantities, pavement damage inspection photos, as well as a written scoping report. Preliminary plan scope of work includes Milling and Asphaltic Concrete (AC) Overlay, AC patching, Portland Cement Concrete Patching, Composite Pavement Patching, driveway repairs, sidewalk repairs, waterline repairs, utility adjustments, and sanitary sewer repairs.
10/16 – 09/18	**H.009508 LA 2: Caney Creek Bridge to Webster P/L - Pavement Preservation Program, DOTD, Bossier Parish, LA:** PM responsible for the overall supervision of engineers performing the survey, road design and plan preparation; coordination with the owner; reviewing the plans; checking compliance with the design criteria; and completing all required forms and documents in support of the plan package. Design tools used for this project included MicroStation.
01/17 – 06/18	**Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish Government, St. Tammany Parish, LA:** Project Principal responsible for the right of way mapping, soil analysis, traffic data inventory, feasibility study, conceptual engineering design, opinion of construction cost, preliminary wetland assessment, and Corps of Engineers (USACE) jurisdictional determination for the mill & overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Jesse Tisdale, PE	**Years of relevant experience with this employer:**	5
Title:	Senior Transportation Engineer	**Years of relevant experience with other employer(s):**	6
Degree(s) / Years / Specialization:		BS / 2013 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE #40972 / LA / 3/31/2025	
Year Registered:	2016	**Discipline**:	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Project Manager

RESPONSIBILITIES: Jesse will serve as point of contact to DOTD PM for the contract during the project execution phase, and also serve as a Project Manager, leading the project delivery requirements internal to Stanley Consultants.

PROFESSIONAL PROFILE: Jesse has been responsible for the design and/or project management of roadway projects such as: roundabouts, roadway reconstruction, intersection safety projects, turn lane additions, and corridor safety projects throughout Louisiana. He has completed 14 projects for DOTD. Jesse is proficient in both design and management and is capable of fulfilling both roles simultaneously as projects warrant. His design expertise is with roadway/highway design, drainage, environmental permitting, construction sequencing, earthworks, and estimating.

Jesse will use his overall roundabout design knowledge and his experience as PM and Roadway Design lead on the US 171 at Boone St. Roundabouts project to deliver a set of plans that meet high standards for quality.

Meets MPRs No. 2 & 3

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).
11/18 – 11/22	**H.010960 LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD:** PM/Lead Design Engineer responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Mr. Tisdale also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
04/17 – 11/22	**H.011909 US 171 at Boone St. Roundabout, Vernon Parish, LA; DOTD:** Serving as PM, Jesse was responsible for assisting design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Tasks also include, budgeting, project cost estimation, utility coordination, and QA for the design and construction plans. This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.
11/23 – Present	**H.012633 LA 1088 Forest Brook Blvd Roundabout, DOTD, St. Tammany Parish, LA:** As the QA/QC controller on this IDIQ Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is assisting in managing the project as the overall IDIQ PM, while others manage the individual projects.
04/23 – Present	**H.013941 LA 724: Roundabout at Landry Rd, DOTD, Lafayette Parish, LA:** As the QA/QC controller on this IDIQ Jesse is responsible for the quality and completeness of the design and construction plans. Additionally, he is the PM for this project providing overall project oversight, budget controls, and coordination with LADOTD.

Firm Employed By: Stanley Consultants, Inc.	
01/23 – Present	**H.005734.5 LA 447 Roundabouts, DOTD, Livingston Parish, LA:** Working as a subconsultant, Jesse served as the Stanley Consultants project manager responsible for overall project oversight, adherence to scope of work, budget, and schedule requirements, as well as QC/QA activities.
10/13 – 04/15	**US 11 @ Cleo Road Roundabout, DOTD, St. Tammany Parish, LA:** Lead Designer responsible for the design and plan development of a single lane roundabout at US 11 and Cleo Rd. This roundabout design included special design details for the WB-67 design vehicle due to two distribution warehouses located on Cleo Rd. This project additionally involved the design of a 4th leg that is to be built at a later date when private development north of the roundabout is complete.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA** Project Manager responsible for adherence to scope of work, budget, and schedule requirements. Additional responsibilities include QC/QA and subconsultant coordination.
02/21 – 03/23	**Lee Drive Widening; East Baton Rouge Parish, LA; MOVEBR:** Serving as Stanley Consultants' PM and Lead Designer. Stanley Consultants is a sub-consultant on this project responsible for all road design between Highland Road and the Bayou Duplantier Bridge. Jesse is responsible for the oversight of all roadway design for the portion the project that has been assigned to Stanley Consultants. This project involves developing the limited Lee Drive corridor into a widened footprint with a divided roadway, bike lanes, and pedestrian facilities.
12/17 – 03/23	**I-12: 1077 to LA 21; St. Tammany Parish, LA; DOTD:** Serving as PM, Jesse was responsible for all project/design oversight. This included horizontal and vertical alignment, drainage design, sequence of construction, 3D modeling, signing, and striping. Additional responsibilities included coordination, quality control reviews, project coordination with sub-consultants, and scheduling.
9/19 – 03/23	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** PM for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits.
09/16 – 05/21	**I-12: LA 21 to US 190 & I-12, St. Tammany Parish, LA; DOTD:** Serving as PM, Jesse was responsible for assisting and overseeing the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. His additional responsibilities include standard PM duties including coordination, QC of plans and design, project coordination and scheduling. Design tools used for this project included MicroStation, InRoads, CADConform, Bentley InRoads, DOTD HydrWIN and Microsoft Project.
4/16 – 01/18	**Dijon Drive Extension Phase I & II, Confidential Client, East Baton Rouge Parish, LA:** PM/Lead Designer responsible for a proposed four-lane divided highway project between Essen Lane and Bluebonnet Boulevard. Project management responsibilities included budget coordination with local, city, and state agencies, design and construction scheduling coordination to prevent conflict from major construction in the surrounding areas, coordination with several private entities and other public departments working on designing or constructing projects in the vicinity of the roadway, and coordinating subsurface drainage to combine roadway drainage and drainage from private properties adjacent to the new roadway. Design responsibilities included the geometric roadway design, roadway modeling, and overseeing drainage design. This was a greenfield project along new alignment.
04/15 – 12/17	**Harveston Way, Private Client, East Baton Rouge Parish, LA:** Lead Designer responsible for the design of new four lane divided asphalt roadway, a single lane roundabout, a shared use path, sidewalks facilities, and all associated roadway drainage. Mr. Tisdale was responsible for developing the plans and coordinating with ongoing development adjacent to the planned roadway. This was a greenfield project along new alignment.

Firm Employed By: Stanley Consultants, Inc.				
Name:	Ed Wedge, PE	**Years of relevant experience with this employer:**	3	
Title:	Principal Civil Engineer	**Years of relevant experience with other employer(s):**	35	
Degree(s) / Years / Specialization:		BS / 1985 / Civil Engineering		
Active Registration Number / State / Expiration Date:		PE #24613 / LA / 9/30/2024		
Year Registered:	1992	**Discipline:**	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Client Services Manager

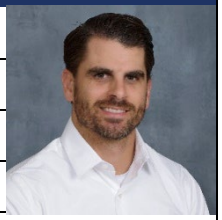
RESPONSIBILITIES / PROFESSIONAL PROFILE: As former Deputy Chief Engineer for the DOTD, Ed has a thorough understanding of policy, standards and processes required to perform as an engineering consultant working for the DOTD. He is knowledgeable about DOTD program management and development with respect to the environment, project design and management, construction traffic engineering, system preservation and improvements of highway bridges. While working at DOTD, Ed managed the Traffic Section, Construction and Consultant Contracts, Environmental, and Project Development for roads, bridges, programs, geotechnical, right of way and survey.

Ed had over 30 years of DOTD experience that he will leverage to assure that each deliverable meets DOTD standards and quality expectations.

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 – 06/21	**DOTD Deputy Chief Engineer; DOTD, Baton Rouge, LA:** Administers all matters, including engineering, related to the programs of the state of Louisiana with respect to the environment, project design and management, construction, traffic engineering, system preservation and regulation of highways and bridges, and other special programs as may be directed by DOTD Chief Engineer or DOTD Secretary. Assists in the approval process of all plans, specifications, and estimates for the construction of all facilities and projects for which the office is responsible. Oversees four direct reports, which have responsibilities in the areas of highways and bridges. Specifically, the Traffic Section, the Contracts Section (construction and consultant), the Environmental Section and the Project Development Division (Road, Bridge, Project Management, Geotechnical, R/W, Survey). This includes planning, organizing and evaluating the respective missions and activities of each which includes approximately 360 staff members. Routinely confers with Assistant Secretaries, DOTD Division Chiefs, District/Section Administrators and managers in an effort to coordinate work efforts, communicate operational and managerial needs, utilize resources, eliminate duplication of efforts, and facilitate achievement of the Department's overall goals. Participates in conferences with other state and federal agency officials to correlate administrative and operational programs.
04/11 – 01/15	**DOTD Project Management Director (Engineer 8 DOTD), Baton Rouge:** Directs implementation and execution of DOTD's Project Management Section. Coordinates with Chief Engineer, Project Development Chief, Project Delivery Steering committee, and Program Managers to ensure timely project delivery. Directs a staff of PMs responsible for high risk, technical, complex, environmental sensitive, regionally important and schedule constrained projects.

Firm Employed By: Stanley Consultants, Inc.	
07/08 – 04/11	**DOTD Contracts Administrator (Engineer 8 DOTD), Baton Rouge, LA:** Section Head over Consultant Contracts, Contracts and Specifications and Project Control. Monitors the processes and procedures of the Consultant Contract Services Unit, which is responsible for all contract and procurement actions for planning, environmental, engineering, and construction engineering consultant services. Monitors the processes and procedures of the Contracts & Specifications unit which is responsible for developing the construction specification package and the construction proposal; responsible for advertising projects for construction bids, issuing addenda, and assembling final contract documents after award. Monitors the processes and procedures of the Project Control unit which is responsible for managing and operating DOTD Construction Bid letting process in accordance with federal requirements and the state public bid law. Meets and confers with the Chief Engineer, participates in meetings with federal officials, consultants, contractors, and other stakeholders relative to the operations of Contract Services.
06/06 – 07/08	**DOTD Consultant Contract Services Administrator (Engineer 7 DOTD) at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Provides or recommends policy relative to the procurement of consultant engineer and related contract services, determines compensation for those services, and processes all contract actions for those services. Counsels PMs and other department personnel to provide assistance and guidance concerning the procurement process and in the proper management of engineering and related services contracts. Monitors the consultant evaluation system. Evaluates qualifications of firms competing for engineering and related services projects. Chair of the Consultant Selection Committee. Presents the short-listed firms to the Secretary for final selection. Meets with representatives of consultant engineering firms to provide feedback, information on the selection process and to provide answers to specific questions concerning selection and contract issues.
07/01 – 06/06	**Engineer 6 – Road Design at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Supervised all aspects of pre-construction engineering performed by consulting engineers and in house design staff. This supervision included providing guidance in all areas of plan preparation including hydraulic design, geometric design and ensuring conformance with the AASHTO “Green Book”. The range of projects included design of freeways, urban arterials, rural collectors, and major and minor bridge replacement projects.
05/00 – 07/01	**Engineer 6 – Office of Planning and Programming at Louisiana Department of Transportation & Development, Baton Rouge, LA:** This position was created to provide the feasibility, scope and budget of new construction and reconstruction projects. Prepare alignment studies. Monitors the scope and estimated costs of projects during plan development. Reviews and makes recommendations regarding requested changes in the scope and/or budget for projects in plan development.
02/92 – 05/94	**Design Engineer – Road Design at Louisiana Department of Transportation & Development, Baton Rouge, LA:** Supervised a design squad, check design calculations and detail drawings Reviews plans for completeness. Reviews and approves plans and specifications submitted by consultant engineers.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Adam Fields, PE	**Years of relevant experience with this employer:**	5
Title:	Senior Transportation Engineer	**Years of relevant experience with other employer(s):**	12
Degree(s) / Years / Specialization:	BS / 2005 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE #35614 / LA / 9/30/2024		
Year Registered: 2010	**Discipline:**	Civil Engineering	



Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Road Design Engineer

RESPONSIBILITIES: Road Design, Geometrics, and Corridor Modeling

PROFESSIONAL PROFILE: Adam is experienced in design for local roads, highways and roundabouts in accordance with DOTD standards and specifications. His experience has included project/task management, roadway alignment studies; development of horizontal and vertical geometrics; typical sections; intersection details; roadway drainage calculations, earthwork design; development of traffic control and staging plans, roadside safety features and development of quantities, technical specifications, and construction cost estimates. He is skilled in development of three-dimensional roadway models and roadway design utilizing MicroStation, AutoCAD, Civil 3D, InRoads and OpenRoads software.

Adam will use his 16 years of diverse design experience to lead the plan development of the roundabouts.

Meets MPR No. 3

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).
10/18 – 04/22	**H.010960 LA 30 Roundabouts at Tanger & I-10, DOTD, Ascension Parish, LA:** Civil Engineer responsible for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Adam also provided quality assurance (QA) of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
10/18 – 11/22	**H.011909 US 171 at Boone St. Roundabout, Vernon Parish, LA; DOTD:** Civil Engineer responsible for providing oversight for all necessary engineering and related services required for the design of a multi-lane roundabout along US 171. This project involves engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor. Adam also provided quality assurance (QA) of typical sections, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA):** Design Lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout, erosion control layout and permanent pavement markings according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.

Firm Employed By: Stanley Consultants, Inc.	
10/18 – 04/22	**H.011137 I-12: LA 1077 to LA 21, DOTD St. Tammany Parish, LA:** Design Lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
03/19 – 03/20	**H.013866 I-12: LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Design Lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
9/19 – 03/23	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** Project Engineer responsible for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits.
10/18 – 03/20	**H.012304 LCG Road Overlay Program DOTD Lafayette Parish, LA:** Design Lead responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/18 – 12/19	**H.012861 Prejean Road Pavement Preservation DOTD Lafayette Parish, LA:** Design Lead responsible for field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
10/18 – 03/22	**H.011781 LA 675 and LA 87 Improvements in New Iberia Pavement Preservation Program; DOTD; Baton Rouge, LA:** Design Lead responsible for plan development, drainage design, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads, HYDRWIN drainage modeling software and Microsoft Excel.
01/14 – 11/17	**H.013052 LA 442 Tangipahoa River Bridge Replacement, DOTD, Tangipahoa Parish, LA:** Design Lead responsible for horizontal and vertical alignment, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria for emergency replacement of the LA 44 bridge over the Tangipahoa River. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
01/12 – 02/14	**H.003495 I-49 N, Segment K – Phase 1, DOTD, Caddo Parish, LA:** Project Engineer responsible for developing sequence of construction plans, temporary pavement marking layouts for maintenance of traffic during construction, joint layouts and graphical grades, retaining wall layout, and quantities and cost estimates. Design tools used for this project included MicroStation with, Bentley InRoads and Microsoft Excel.
07/11 – 12/13	**H.011111 I-49 N, Segment K – Phase 2, DOTD, St. Tammany Parish, LA:** Project Engineer responsible for developing sequence of construction plans, temporary pavement marking layouts for maintenance of traffic during construction, joint layouts and graphical grades, retaining wall layout, and quantities and cost estimates. Design tools used for this project included MicroStation with, Bentley InRoads and Microsoft Excel.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Aidan Carter, PE	**Years of relevant experience with this employer:**	1
Title:	Transportation Engineer	**Years of relevant experience with other employer(s):**	4
Degree(s) / Years / Specialization:		BS / 2018 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE #47566 / LA / 9/30/2025	
Year Registered:	2023	**Discipline:**	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Road Design Lead

RESPONSIBILITIES: Aidan will also serve as the overall road design lead for this contract.

PROFESSIONAL PROFILE: Aidan has over five years of experience in performing road design and development of roadway plans for both LADOTD and Local roadway projects. During his time working for LADOTD's Road Design Section, Aidan became familiar with LADOTD's project delivery workflow as well as their design philosophy. He leverages work experiences to provide quality engineering services.

Aidan will use his recent experience laying out roundabout geometry and his experience working along the LA 44 corridor on S.P. No. H.010909 LA 44: Widening and Roundabout at LA 941 while at DOTD to deliver a safe and constructable set of plans.

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).
04/23 – Present	**H.013941 LA 724: Roundabout at Landry Rd, DOTD, Lafayette Parish, LA:** Lead Designer responsible for lead design and plan production. This project includes the construction of a single lane Roundabout at the intersection of LA 724 and Landry Road near Lafayette, Louisiana. Drainage structures will be installed to accommodate additional runoff due to the road work. Mr. Carter is responsible for the design of horizontal/vertical geometry, corridor modeling, and subsurface/open channel drainage systems. Mr. Carter utilized Autoturn as well as Fastest Path procedures in order to ensure that the roundabout safely accommodates the anticipated design traffic. Mr. Carter is also responsible for the composition of the construction plan set that clearly communicates his designs while complying with DOTD's CAD standards.
04/23 – Present	**H.005734.5 LA 447 Roundabouts, DOTD, Livingston Parish, LA:** QA/QC Engineer responsible for review of horizontal roundabout geometry. This project is a corridor widening project along LA 447 in Walker, LA. The project includes widening the existing roadway as well as the design of two multilane roundabouts. The multilane roundabouts will service Buddy Ellis Road which provides connectivity to Juban Road and O'Donovan Blvd which is the only access for the local emergency room and Our Lady of the Lake Medical Plaza. Mr. Carter reviewed all horizontal geometry to ensure compliance with LADOTD's roundabout design standards as well as guidance set forth in NCHRP 1043. Mr. Carter also helped develop the geometric layout sheets, ensuring that they clearly and concisely communicated the roundabout design.
11/23 – Present	**H.012633 LA 1088 Forest Brook Blvd Roundabout; DOTD, St. Tammany Parish, LA:** Lead Designer responsible plan production. The project includes the construction of a multi-lane roundabout at the intersection of LA 1088 and Forest Brook Boulevard in Mandeville, Louisiana. Drainage improvements will be made to accommodate the road work. This project is part of 3-mile corridor improvement plan, and straddles two other projects being designed simultaneously by other firms. Close coordination is required to ensure a product with consistent design intent and appearance. Mr. Carter is responsible for the design of horizontal/vertical geometry, drainage design, and corridor model. Mr. Carter is also responsible for the USACE permits required due to

Firm Employed By: Stanley Consultants, Inc.	
	the project's proximity to the Coastal Protection Zone. Lastly, Mr. Carter is responsible for leading a small team in plan production in order to produce a clear set of construction plans that comply with DOTD's CAD standards.
01/19 – 07/21	**H.010909 LA 44: Widening and Roundabout at LA 941, DOTD Ascension Parish, LA:** This project consisted of 2 different sites along LA 44. The sites straddled a permit project (permit # 61030699) that was being designed by a consultant. The north site consisted of Mill/Overlay, widening, installation of a center median/access management elements, and drainage work incidental to the roadway improvements. The south site consisted of the realignment of LA 941 as well as the installation of a 3-legged multilane roundabout at the new intersection of LA 44 & LA 941. Aidan was responsible for designing and modeling the north site of the project. He designed the vertical alignment for the roadway as well as the ditch grades on either side of the roadway. He computed quantities and generated a cost estimate. He was also responsible for using the permit project plan set to generate a rough model/surface where the permit project tied into. He was also responsible for all plan production that involved site 2.
07/21 – 04/23	**Bluebonnet Roundabouts; Private Client; Baton Rouge, LA:** Aidan performed the role of Design QA/QC Lead for this project, which included the construction of access management elements, two shared use paths, a pedestrian table, and two multi-lane roundabouts. Aidan reviewed all design decisions related to roadway geometrics and design, including roundabout geometry and performance tests. Design for this project was performed using Bentley's OpenRoads designer.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** Engineering and Design Support responsible for aiding in the design of the widening/overlay of a 4 mile stretch of I-20 in West Monroe, Louisiana. The purpose of this project is to improve highway capacity by widening to the inside and install a median barrier wall. A portion of the project is being fully reconstructed due to insufficient pavement structural capacity, and drainage will be modified to accommodate changes to the corridor.
01/19 – 03/20	**Black Bayou Bridge; Caddo Parish, LA:** Aidan performed the role of lead designer for this bridge replacement project. As such, he designed the horizontal & vertical alignments and generated the corridor model. In addition to developing the construction plan set, Aidan calculated the project quantities and generated the Engineer's Estimate of Probable Cost.
06/20 – 07/21	**Red Chute Bayou Bridge; Bossier Parish, LA:** Aidan performed the role of lead designer for this bridge replacement project. In addition to designing the horizontal and vertical alignments, Aidan designed and modeling the diversion road that will be utilized to maintain traffic during construction.
07/21 – 04/23	**North University Avenue Corridor Improvements; Lafayette, LA:** Aidan performed the role of Lead Designer for this 5-lane corridor improvement project near downtown Lafayette. Aidan assisted in the development of the TEPR by performing the Tier 1 and Tier 2 analyses. Aidan designed the roadway geometry for the 1.25-mile-long corridor, implementing access control elements as well as pedestrian safety improvements. Aidan also designed the horizontal geometry for two multi-lane roundabouts and an RCUT along the corridor. He ran performance tests for the roundabouts including Fastest Path Analysis and Design Vehicle Swept Path Analysis as outlined in NCHRP Report 672.
01/23 – 04/23	**Energy Transition Corridor; Move Ascension; Donaldsonville, LA:** Aidan performed the role of Road Design Representative for this 2-mile greenfield project. Aidan performed a desktop analysis of the project site, utilizing LIDAR data, Wetland Maps, FEMA Flood maps, etc. Aidan used his desktop analysis to generate three potential horizontal alignments and provided a ROM cost estimate for each alignment.
Firm Employed By: Stanley Consultants, Inc.	

Firm Employed By: Stanley Consultants, Inc.			
Name:	William (Travis) Barr, PE	Years of relevant experience with this employer:	1
Title:	Senior Transportation Engineer	Years of relevant experience with other employer(s):	14
Degree(s) / Years / Specialization:		BS / 2012 / Civil Engineering	
Active Registration Number / State / Expiration Date:		PE #45675 / LA / 9/30/2025	
Year Registered:	2021	**Discipline:**	Civil Engineering

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Roadway Engineer

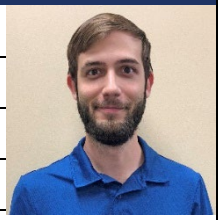
RESPONSIBILITIES: Assist in the development of roadway and roundabout plans.

PROFESSIONAL PROFILE: Travis has a depth of transportation design and project management experience inclusive of preliminary engineering through design and construction. He serves as the lead on small to large infrastructure projects including roadway, water, wastewater, drainage, quality control and assurance, project management and more. His responsibilities have included the evaluation of highway plans, evaluation of MOT plans, alternative analysis, cost estimating, standards, specifications and overall constructability. Travis has completed work for various state DOT's, Army Corp of Engineers, municipalities, and private entities. He has completed training such as: ATSSA Traffic Control Supervisor/Technician/Flagger, Operations Management I (30 hr instructor lead course), Basic Watershed Modeling using HEC HMS, Highway Engineering: An Introduction, and more.

Travis will use his 14 years of transportation experience to assist in the plan development of roadways, intersections, and roundabouts.

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).
11/22 – Present	**H.005734.5 LA 447 Roundabouts, DOTD, Livingston Parish, LA:** Serving as Sr. Engineer, Mr. Barr is in responsible charge for the preliminary layout, design checks, calculations, and plan preparation for two (2) LA highway roundabouts including one multi-lane and one sing-lane configuration. Mr. Barr additionally is providing roadway design on adjoining roadways realignments.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA):** Project Engineer responsible for drafting the typical sections and performing quality control and quality assurance of engineering documents and plans.
11/22 – Present	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** Serving as Sr. Engineer, Mr. Barr aided in the quality control duties to ensure project submittal is of high-quality and meets minimum design requirements as set forth in contract documents. This was a greenfield project along new alignment.

Firm Employed By: Stanley Consultants, Inc.	
11/22 – Present	**Terrace Avenue, Baton Rouge Department of Transportation and Drainage, Baton Rouge, LA:** Serving as Sr. Engineer, Mr. Barr worked with project management to lead the modeling effort for the final design for the project. Mr. Barr also aided in the quality control and creation of project wide design standards.
03/21 – 11/22	**University Ave, LADOTD, Lafayette, LA:** Serving as PM, Mr. Barr served as Engineer of Record and acted as the person in responsible charge for evaluation and production of highway plans, evaluation and production of maintenance of traffic plans, exhibits, QA/QC, alternative analysis, scheduling, cost estimates, and project management.
03/21 – 11/22	**MOVEBR Transportation Program, East Baton Rouge City Parish, Baton Rouge, LA:** Serving as PM, Mr. Barr was responsible for the project management of the eight projects in the program. He assists in leadership of the projects, cost estimation, budgets, design standards, and focuses on overall constructability/feasibility of projects. As a part of her project management tasks, he has assisted with cost estimation, identification of project goals, economic development, and feasibility.
03/17 – 03/21	**I-820 (SH-287 to I-20) Interchange Reconstruction, Alternative Delivery TxDOT, Dallas, TX:** Serving as Task Lead, Mr. Barr was in responsible charge and acted as the Engineer of Record for the evaluation of interstate plans, wall location to facilitate sequence of construction, bridge limits, retaining wall structural requirements. Additionally, production of exhibits, and QA/QC of deliverables. Lastly, Travis coordinated between stake holders and presented findings with key stake holders. Travis led weekly task force meetings with major stake holders to present status, potential roadblocks, project timelines, design philosophies and approach each week.
03/17 – 06/20	**Border Wall, Douglas, AZ.:** Serving as Task Lead and Engineer of Record, Mr. Barr was in responsible charge for project wide design standards, specifications and design of the Douglas portion of the Tucson 63 project. Totaling over 20 miles of boarder wall design, the Douglas portion of the Tucson 63 project had some of the most treacherous and complicated portions of the boarder to design and construct. Travis managed three design teams, QA/QC activities, design of the line and grade, wall and retaining system selection, limits of construction/right of way, typical section, compliance with environmental guidelines, scope/fee estimation, and scheduling. Additionally, Travis led weekly task force meetings with major stake holders including representation from construction, design, and the owner to present status, potential roadblocks, project timelines, design philosophies and approach each week. Additionally, Travis led comment resolution meetings with the owner and reviewing agencies to ensure proper closeout of each item.
03/17 – 06/20	**SR 520 (I-5 to 84th Ave) Interchange Reconstruction, Lid covering, and Union Bay Crossing, Design-Build Pursuit, WSDOT, Seattle, WA:** Serving as Maintenance of Traffic Task Lead, Mr. Barr was in responsible charge for the evaluation of interstate plans, maintenance of traffic, pier and wall location to facilitate sequence of construction, alternative design analysis, production of exhibits, and QA/QC of deliverables. Additionally, Travis Coordinated and presented findings with key stake holders.

Firm Employed By: Stanley Consultants, Inc.				
Name:	Jared Blohowiak, PE	**Years of relevant experience with this employer:**	5	
Title:	Transportation Engineer	**Years of relevant experience with other employer(s):**	N/A	
Degree(s) / Years / Specialization:		BS / 2017 / Civil Engineering		
Active Registration Number / State / Expiration Date:		PE #46547 / LA / 9/30/2024		
Year Registered:	2022	**Discipline:**	Civil Engineer	

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Roadway Engineer

RESPONSIBILITIES: Assist design Team with roadway and roundabout plan development.

PROFESSIONAL PROFILE: Jared has worked on numerous DOTD projects providing design support, modeling, CADD and detail checks to ensure plan sets are in compliance with specifications and standards. He has been responsible for the creation of plan and profiles; typical section; drainage design; signing and striping layout; safety and roadside facilities; sequence of construction and development of quantities and cost estimates. Jared is an expert in applying design tools such as MicroStation, InRoads OpenRoads, CADConform and Bluebeam Revu to enhance efficiencies and project quality. His most recent work has included preparing models and development of detailed geometry for major freeways, urban roadways/complete streets and multi-lane roundabout roadways. Jared has his TCT, TCS, and Flagger certifications.

Jared has 5 years of experience designing DOTD projects.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 04/22	**H.011909 US 171 at Boone St. Roundabout, DOTD, Vernon Parish, LA:** Provided assistance with the design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Tasks also include, budgeting, project cost estimation, utility coordination, and QA for the design and construction plans.
09/18 – 04/22	**H.010960 LA 30 Roundabouts at Tanger I-10, DOTD, Ascension Parish, LA:** Assisted with all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Assisted with QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
04/23 – Present	**H.013941 LA 724: Roundabout at Landry Rd, DOTD, Lafayette Parish, LA:** Assisted with the hydraulic design of the project by providing methodology and guidance as well as providing QA on the proposed design and hydraulic report.

Firm Employed By: Stanley Consultants, Inc.	
11/22 – Present	**H.005734.5 LA 447 Roundabouts, DOTD, Livingston Parish, LA:** Assisted with collecting field data during a site visit as well as providing QA of typical sections, plan and profile sheets, and geometric details.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA):** Project Engineer responsible for engineering design services on an interstate improvement project to an existing section of Interstate 20 in Monroe, Louisiana. These responsibilities include the collection and documentation of existing sign data along the corridor, analysis of existing drainage patterns and structures to evaluate potential flooding hazards, and the design of new drainage systems to minimize the hazards for the roadway and neighboring communities.
9/19 – 03/23	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** Project Engineer responsible for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits. This was a greenfield project along new alignment.
09/18 – 04/22	**H.011137 I-12: LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Helped with drafting of typical section sheets, quantity tables, guardrail layout designs, plan/profile sheets, signing and striping sheets using CADConform and MicroStation. Responsible for designing guardrail layouts and quantity calculations. Jared also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC plan.
10/18 – 12/19	**H.012861 Prejean Road Pavement Preservation, DOTD, Lafayette Parish, LA:** Assisted with field surveying and capturing topographic features and measuring CL stationing. Duties also include plan development, determining quantities and pay items according to DOTD specifications, standards and design criteria. Design tools used for this project included MicroStation with CadConform, Bentley InRoads and Microsoft Excel.
03/17 – 03/22	**LA 67 East Baton Rouge Parish Line to 6.5 Miles North, Eastbound, DOTD, LA:** Engineering Technician Serving as Engineer Intern, Jared is responsible for assisting with topographic survey field work. He assisted with the drafting of typical section sheets, quantity tables, guardrail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. He also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC plan.

Firm Employed By: Stanley Consultants, Inc.					
Name:	Kayla Lafitteau, EIT		**Years of relevant experience with this employer:**	5	
Title:	Engineer-In-Training (EIT)		**Years of relevant experience with other employer(s):**	1	
Degree(s) / Years / Specialization:			BS / 2019 / Civil Engineering		
Active Registration Number / State / Expiration Date:			EI.0034158 / LA / 3/31/2024		
Year Registered:	2019	**Discipline:**	Civil Engineering Intern		
Contract Role(s) / Brief Description of Responsibilities:			**CONTRACT ROLE:** Roadway Engineer Intern **RESPONSIBILITIES:** Assist Team with roadway plan development. **PROFESSIONAL PROFILE:** Kayla has professional experience since 2019. She has worked on DOTD and City of New Orleans projects with the oversight of several professional engineers. Kayla has been responsible for detour signing, permanent pavement markings, geometric layout, and guard rail design. She prepares quantity calculations, cost estimates, and is proficient in MicroStation and AutoCAD. Kayla is often responsible for detailed corrections and adjustments to plan sets to ensure they are compliant DOTD specifications and standards.		

Kayla has 5 years of experience on DOTD projects.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/18 – 04/22	**H.011909 US 171 at Boone St. Roundabout, DOTD, Vernon Parish, LA:** EIT responsible for developing engineering construction plan sheets and design for horizontal and vertical alignment, geometric details, permanent pavement markings, permanent signing, suggested sequence of construction, summary tables and typical sections of a three-leg roundabout in Vernon Parish, LA. Duties also included drainage calculations, quantity take-offs and cost estimation.
04/23 – Present	**H.013941 LA 724: Roundabout at Landry Rd, DOTD, Lafayette Parish, LA:** EIT responsible for developing engineering construction plan sheets and design for horizontal and vertical alignment, geometric details, permanent pavement markings, permanent signing, suggested sequence of construction, summary tables and typical sections of a three-leg roundabout in Lafayette Parish, LA. Duties also included drainage calculations, quantity take-offs and cost estimation.
09/18 – 04/22	**H.010960 LA 30 Roundabouts at Tanger I-10, DOTD, Ascension Parish, LA:** EIT responsible for assisting with topographic field work. Assisted with quantity calculations, guard rail design, and additional detail sheets. Also assisted with developing the cost estimate and summary sheets.
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34):** EIT responsible for many aspects of drainage and plan development, including performing ponding calculations to determine the width of flooding for each catch basin, developing existing and design drainage maps, and assisting with the creation of drainage plan and profile sheets. She has also helped in the development of plan and profile sheets and existing sign plans.

Firm Employed By: Stanley Consultants, Inc.	
9/19 – 03/23	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** EIT responsible for engineering design services for a new greenfield connector roadway between Ben Thomas Road and Powell Drive as well as widening and drainage improvements to an existing section of Powell Drive. The purpose of this project is to accommodate industrial traffic accessing and egressing Interstate 12 to the north by providing improved system linkage with a new north-south connector roadway and improving an existing roadway within the project limits. This was a greenfield project along new alignment.
12/17 – 04/22	**I-12: 1077 to LA 21; St. Tammany Parish, LA; DOTD:** EIT responsible for assisting with drafting of typical section sheets, pavement marking sheets, and plan/profile sheets. Responsible for assisting with quantity calculations, guard rail design, and developing a cost estimate. Stanley Consultants performed roadway design, modeling, DOTD formatting, and CADConform compliance. DOTD requested an expansion of the project that included the addition of the auxiliary lane to the exit inclusive of the roadway widening two-lane ramp. Our team prepared designs to re-stripe the roads under the structure instead of adding more pavement.
05/19 – 03/22	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** EIT responsible for assisting with drafting of plan/profile sheets, drainage plan/profile sheets, geometric layout sheets, sequence of construction sheets, and pavement marking sheets. Responsible for existing drainage maps, design drainage maps, and summary of drainage structures tables. Also assisted with quantity calculations and cost estimates.
05/19 – 02/20	**H.013191 LA 1 Iberville P/L - Port Allen Canal, DOTD, East Baton Rouge Parish, LA:** EIT responsible for assisting with topographic field work. Assisted with quantity calculations, guard rail design, and additional detail sheets. Also assisted with developing the cost estimate and summary sheets.
03/17 – 08/19	**H.009633 LA 67 EBR P/L to 8 Miles North of EB, DOTD, East Feliciana Parish, LA:** EIT responsible for assisting with topographic survey field work. Assisted with the drafting of typical section sheets, quantity tables, guard rail layouts, miscellaneous detail sheets using MicroStation, and performed quantity calculations. Also assisted with the development of cost estimates. Responsible for following the Stanley Consultants QA/QC plan.

Firm Employed By: Stanley Consultants, Inc.			
Name:	Rob Pratt, PE	**Years of relevant experience with this employer:**	3
Title:	Principal Transportation Engineer	**Years of relevant experience with other employer(s):**	30
Degree(s) / Years / Specialization:	BS / 1993 / Civil Engineering		
Active Registration Number / State / Expiration Date:	PE #46614 / LA / 9/30/2024		
Year Registered: 2002	**Discipline:**	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities:

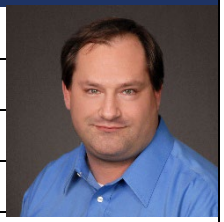
CONTRACT ROLE: MOT & Constructability Reviews

RESPONSIBILITIES: Rob will be coordinating with the Project Manager to help design the most functional suggested sequence of construction. He will also be reviewing each submittal for constructability purposes.

Rob will use his 33 years of experience to help provide a set of plans that is functional and constructable.

PROFESSIONAL PROFILE: Rob has been progressively responsible for the design and management of small to large transportation projects and staff since 1990. His roles have varied from local to regional, serving as team member, team leader, office manager and group leader depending on the needs of the project. His multidisciplinary experience in transportation planning, design, construction management and construction includes expertise with roadways and highways; heavy, commuter and light rail; airports; transit facilities; trails, intersections and roundabouts; pedestrian infrastructure, safety and parking; construction phasing; and land development. Rob's experience includes developing traffic analyses, corridor studies, access control plans and transportation master plans. He has been involved with alternative delivery methods, including design-build and CMGC. Rob approaches design and construction processes by looking for practical alternatives and working creatively to keep projects on schedule and under budget.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/21 – 11/21	**H.010960 LA 30 Roundabouts at Tanger I-10; LaDOTD; Ascension Parish, LA:** QC/Constructability Expert for reviewing roundabout plans on the LA 30 Roundabouts at Tanger Mall and I-10. Developed QC and constructability report for each of the 3 roundabouts taking special note of construction sequencing.
07/22 – Present	**Eastonville Road Phase I – Project Manager / Project Principal (El Paso County, CO)** Project consisted of 2-miles of a rural 2-lane section to a 3-lane urban section with associated storm sewers. Project included the development of 3 roundabouts, including one at the entrance of Falcon High School. Two of the roundabouts were single lane entries, the largest of the three was designed for 2 lane entry (east-west) and one lane (north – south) with the ability to widen if necessary in the future.
01/23 – 04/24	**Bradley Road – Project Principal (El Paso County, CO)** Corridor analysis, access control plan and preliminary design complete for a 2-mile urban corridor. Due to the high number of access along the corridor, it was determined to re-design many of them to right-in / right-out. This will be completed in conjunction with three new roundabouts. Each of the roundabouts will be 2-lane entry (east-west) and 1-lane entry (north-south). The western most roundabout is the ramp terminus to SH 21 on the north leg, entrance to a rock quarry on the west leg and access to an elementary school on the south.

Firm Employed By: Stanley Consultants, Inc.				
Name:	Luis Santana II, PE	**Years of relevant experience with this employer:**	18	
Title:	Senior Structural Engineer	**Years of relevant experience with other employer(s):**	N/A	
Degree(s) / Years / Specialization:		BS / 2008 / Civil Engineering; BS / 2005 / Oceanic Engineering		
Active Registration Number / State / Expiration Date:		PE #76363 / FL / 2/28/2025; PE #42265 / LA / 3/31/2024		
Year Registered:	2013	**Discipline:**	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Structures and Bridge Design

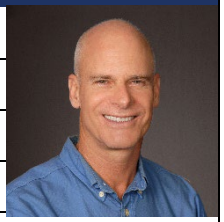
RESPONSIBILITIES: Provide sub-consultant QAQC for bridge design tasks.

PROFESSIONAL PROFILE: Luis's engineering experience includes designing and managing the necessary structural work for bridges, levees and walls along the Gulf Coast. His expertise includes structural inspections (above and underwater), bridge load ratings, shoring plans, dewatering, site demolition planning, and LEED experience. He has designed bridges, foundations, retaining walls and many other ancillary structural elements. His structural background includes concrete, steel, wood, masonry, sheet piles, and pile foundations design of bridges, and hydraulic and non-hydraulic structures. His software experience includes Microsoft programs, MathCad, STAAD Pro, CPGA/ CPGC/ CPGG from USACE, Cwalshet, MicroStation, and AutoCAD.

Luis will use his two decades of structural experience to support the structures tasks.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/23 – Present	**H.015052 I-20: Widening/Ovrly (Vancil Rd-LA 34): S**tructural Engineer/ Task Lead responsible for the design and plan development of roadside median barriers and overhead sign structures to accommodate design widening throughout the I-20 corridor. The median barrier walls consist of both single and double faced concrete barrier walls used for grade separated roadway. The barrier walls will also include several sections used to transition between the single to double face sections. The overhead sign structures will utilize standard truss arms with modified uprights for either mounted onto the median barriers/foundation or to have independent foundations. The design will utilize requirements as indicated in the LADOTD Bridge Manual and AASHTO guidelines.
01/17 – 09/20	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay, St. Tammany Parish Government, St. Tammany Parish, LA:** Luis serves as the Structural Engineer responsible for the design and plan productions for the bridge replacement of the existing timber bridge. The new bridge consisted of a three span 70ft long continuous concrete flat slab superstructure founded on concrete piles and pile caps. The new bridge footprint was widened to accommodate two 12-ft lanes with 4-ft shoulders and a 12-ft shared-use path. The new bridge was lengthened to match new H&H requirements and to allow for new piles to be driven to clear the existing piles.
09/19 – 04/22	**I-12, LA 21 to US 190 Widening Design, DOTD, St. Tammany Parish, LA:** Structural Engineer responsible for the design of roadway median concrete barrier walls along the I-12 corridor. The project included the design of 36", 48", and 54" barriers walls. The design analyzed the stability of the barrier walls for vehicle impacts and traffic live loads and then developed the reinforced concrete design for each of the barrier types. The project also included an analysis of the Tchefuncte River Bridge piling for boat impact.

Firm Employed By: Stanley Consultants, Inc.	
05/19 – 07/20	**LA 117 Between LA8 and LA 118 Bridge Study, Vernon Parish, LA:** Luis serves as the Structural Engineer responsible for the structural inspection, assessment, and development of conceptual plans of five bridges along the LA 118 corridor. As part of the project, the existing bridges were evaluated for either widening or replacement to accommodate the proposed roadway improvements. The existing bridges consisted of two timber bridges and three concrete flat slab bridges. The bridges ranged in span numbers from two spans to ten spans with a typical span length of 20-ft. Each bridge has two alternatives to match the roadway improvements. The timbers bridges were recommended for replacement with concrete flat slab bridge founded on new concrete piles. The existing concrete bridges were recommended for widening for most alternatives. One of the concrete bridges were recommended for replacement by box culvert due to an extreme vertical profile change.
01/20 – 9/20	**Runway 13/31 Threshold Recovery, Baton Rouge Metropolitan Airport, Baton Rouge, LA:** Structural Engineer. Stanley Consultants provided engineering design and construction administrative services for the Runway 13/31 Safety Area Improvements and Threshold Recovery. Stanley Consultants provided engineering design and construction administrative services for the Runway 13/31 Safety Area Improvements and Threshold Recovery.
05/13 – 01/16	**US 41 Design-Build Pursuit, Florida Department of Transportation, District 1, FL:** Structural Engineer responsible for the design of a bridge over Henderson Creek (aquatic reserve/ outstanding Florida water), three bridge culverts and approximately ¾ of a mile of special design sound barrier walls. The bridge was designed as a flat slab continuous three-span structure. The culvert bridges were designed as cast-in-place type structures. The sound barrier walls were designed to have a special bottom panel acting as a retaining wall. Stanley Consultants engineers prepared the drainage design and utilities improvements and relocation design for this 3.5-mile-long project.
07/11 – 05/13	**I-95 Widening Design-build, Florida Department of Transportation, District 4, St. Lucie, FL:** Structural Engineer responsible for the design of bridge superstructure, substructure, and foundation of widening bridge. The project consisted of widening the existing I-95 Bridge of Indrio Road. The existing bridge is a four span, 280ft long concrete bridge founded on concrete abutments pile caps and hammerhead piers. The widened superstructure is comprised of prestressed concrete Florida I Beams. The new substructure components were designed to resist vehicular collision forces.
11/09 – 04/16	**Bridge Load Rating, Puerto Rico Department of Transportation and Public Works, PR:** Structural Engineer responsible for the structural investigation and load rating of over 700 bridges throughout Puerto Rico. The investigation included the verification of structural components which include bridge length and width, barrier and beam sizes and scour conditions at and near the bridge. Additional responsibly included analysis and creating bridge load rating reports for all bridges. The load ratings were performed on both superstructures and substructures. The project performed load ratings of prestressed beam, reinforced concrete beam, flat slab, concrete and brick arches, steel girder, and reinforced concrete culvert structures. The project included field data collection, an environmental study, and inspection of bridges for scour signs. Field measurements were logged for load rating purposes and creating reports for all bridges. The project team utilized several different types of load rating program including FDOT Beam Program, AASHTOBridgeware, MDX, and Leap Bridge.

Firm Employed By: Stanley Consultants, Inc.				
Name:	Eric Huskey, PE	**Years of relevant experience with this employer:**	25	
Title:	Senior Structural Engineer	**Years of relevant experience with other employer(s):**	9	
Degree(s) / Years / Specialization:		MS / 1999 / Civil Engineering; BS / 1985 / Civil Engineering		
Active Registration Number / State / Expiration Date:		PE #24GE03867000 / NJ / 4/30/2024; PE #47330 / LA / 3/31/2025		
Year Registered:	1994	**Discipline:**	Civil Engineering	

Contract Role(s) / Brief Description of Responsibilities:

CONTRACT ROLE: Structures and Bridge Design

RESPONSIBILITIES: Provide sub-consultant QAQC for bridge design tasks.

PROFESSIONAL PROFILE: Eric has engineering experience that includes analysis and design of a variety of civil engineering projects, including bridges, culverts, retaining walls, water control structures and drainage and flood control projects. His structural background includes structural analysis and design, post-design services, inspection, cost estimation, and report and construction document preparation. Eric is proficient in the use of FDOT Bridge software, Mathcad, Excel, LEAP Products, OpenBridge Modeler, ProStructures, FB-MultiPier, LPile, STAAD Pro and MDX for design. Eric's transportation experience includes design of prestressed concrete bridges, steel girders, retaining walls, culverts, and providing post-design services during construction and post tensioning. His experience also includes load rating and scour analysis of a variety of bridges. He has designed both cantilever and anchored retaining walls, and he has other design experience with drainage and flood control projects, including multi-bay spillway structures with roller gates, replacement of hoist mechanisms and operating platforms on spillway structures, small water control structures and small pump stations. Eric's experience also includes hydraulic studies for flood control projects.

Eric's 33 years of structural design will assist the team with bridge design subconsultant coordination.

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/15 – 02/21	**SR 80 (Southern Boulevard) at Sansbury's Way/Lyons Road, Lyons Road Bridge Widening over the C-51 Canal; Florida Department of Transportation, Palm Beach County, FL.** Eric performed as the Structural Engineer responsible for the design and detailing of the beam design of a five span 152'-6" long concrete beam bridge widened to both sides over a canal in order to add a through lane and a turn lane. The existing concrete beams were prestressed slab units with an asphalt overlay that together formed the bridge deck. The beams for each side of the bridge widening are post-tensioned together to prevent independent movement of the beams. The widening utilized the same beam type with the closure pour between the remaining existing bridge beams and the bridge widening beams utilizing Ultra High-Performance Concrete (UHPC). The use of UHPC closure pours enabled the closure pour width to be reduced to 9 inches instead of the standard 2-foot closure pour using conventional concrete.

Firm Employed By: Stanley Consultants, Inc.	
02/18 – 09/23	**SR 9/I-95 at SR 804/Boynton Beach Blvd Interchange, Florida Department of Transportation, District 4, Boynton Beach, FL:** Structural Engineer responsible for the designs for roadway widening improvements of Boynton Beach Boulevard (about 1 mile) and each of the interchange ramps to increase capacity and promote safety. Stanley Consultants prepared designs for roadway widening improvements of Boynton Beach Boulevard (about 1 mile) and each of the interchange ramps to increase capacity and promote safety, including signing and pavement marking, signal, lighting and ITS improvements, bicycle lanes, pedestrian facilities, as well as ADA improvements along Boynton Beach Boulevard. Our team also managed subconsultants tasks including drainage design of 151storm drain structures and 'Wrong-way" driving systems (WWDS) and advanced counter measures.
06/11 – 11/17	**SR 7 Extension from 60th St. North to Northlake Boulevard; Florida Department of Transportation, District 4; Palm Beach County, FL**. Acting as Structural Engineer, Eric was responsible for the design and detailing of a 151'-7 ½" span concrete girder bridge over a canal supporting a roadway on a 536-foot horizontal curve. The bridge supports four traffic lanes, two 6' bike lanes and two 6' sidewalks. Our team provided the right bridge designs that were engineered perfectly for the traffic's centrifugal forces due to the curvature of the roadway.
11/07 – 12/08	**Center Street Bridge over the Union Pacific Railroad; Gilson Engineering, Vineyard, UT.** As Structural Engineer, Eric was responsible for the design and detailing of a 157-foot single span, four lane bridge over the Union Pacific railroad. The bridge design included seismic analysis and design details including integral abutments since the bridge is located in a seismic region.
02/04 – 12/08	**C-43 West Basin Storage Reservoir; Local Access Bridge; South Florida Water Management District Hendry County, FL.** Functioning as Structural Engineer, Eric was responsible for the design and detailing of a three span 193'-0" long concrete girder bridge over a canal. In addition to design for normal highway loading, the bridge was also checked for client specific crane loading.
01/90 – 04/08	**Golden Gate Parkway Grade Separated Overpass; Collier County, FL.** Eric served as the Structural Engineer responsible for the design and detailing of continuous steel box girders of a three span 517'-0' foot long bridge over an existing multi-lane roadway. The bridge carries six lanes of traffic over a Single Point Urban Interchange. Also provided post design services during the fabrication and erection phases of the girders.

Firm Employed By: HNTB Corporation			
Name:	Joshua Porter, PE	**Years of relevant experience with this employer:**	8
Title:	Bridge Project Manager	**Years of relevant experience with other employer(s):**	6
Degree(s) / Years / Specialization:		BS / 2010 / Civil Engineering	
Active Registration Number / State / Expiration Date:		39513 / LA / 09-30-2025	
Year Registered:	2015	**Discipline:**	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Bridge Task Lead **Josh's experience fulfills MPR No. 5.** **PROFESSIONAL PROFILE:** Josh has 14 years of experience in rural and urban bridge design, load rating, inspection, and detailing. His experience spans many structures, including precast prestressed concrete girders (LG and AASHTO shapes), reinforced concrete slab spans trusses and gusset plates, curved and straight steel girders, and culverts. He has been tasked with developing load rating and design models, developing, and overseeing the development of bridge plans, cost estimating and benefit analysis, project management, and leading and assisting in evaluating bridges. He has extensive experience with the AASHTO LRFD Bridge Design Specifications and the AASHTO Manual for Bridge Evaluation. He has proficient experience with AASHTO Bridge Rating and Design, LEAP CONSPAN AND RC Pier, STAAD, and CSi Bridge.	

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).
05/18 – 06/21	**LADOTD H.000974.5, LA- 15 over Boeuf River Bridge Replacement, Monroe, Louisiana** – Project manager and design lead for an off-alignment bridge replacement. The bridge consisted of five spans of LG-54 girders supported by reinforced concrete caps founded on 30-inch concrete piles.
11/16 – 08/21	**LADOTD H.008145, LA- 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana** – Task lead for the design and plan development of the reinforced concrete slab spans making up the north end of the structure. The structure was developed to allow for on structure tolling. This created a unique layout requiring 72 total spans with 31 unique slab designs. Designs included straight, curved, single sided tapered, double sided tapered, and spans with unsupported edges. Also tasked with design checking and load rating of various LG precast prestressed girder spans and steel girder spans.
02/19 – 02/20	**Indiana Department of Transportation Indianapolis Road Bridge, Whitestown, Indiana** – Task lead for the design and plan development of the reinforced concrete slab spans replacing an existing box culvert. The design consisted of three slab spans with integral abutments along a 40-degree skew. Tasks including running the slab design calculations, developing the general plan and elevation sheets, developing span detail sheets and QC for various other tasks.
01/19 – 06/20	**LADOTD H.013839, I-10 Loyola Slab Span Repairs, Jefferson Parish, Louisiana** – Performed the analysis and load rating of existing slab span units to determine the cause and potential repairs of longitudinal cracks. The analysis considered existing conditions and various repaired conditions. The results of the analysis determined that full depth repairs were not the most beneficial and that a maintenance related fix was more appropriate. Worked with a product manufacturer to specify an appropriate product.
12/22 – Present	**LADOTD H.002337.5, LA- 327-S Bayou Fountain, Baton Rouge, Louisiana** – Project manager and design lead on a bridge replacement for an existing slab span to a new slab span over Bayou Fountain in Baton Rouge, Louisiana. The new structure consists of two lanes and a raised sidewalk which would

Firm Employed By: HNTB Corporation	
	not allow the use of standard plans. Tasks include project management, development of general plans, guiding junior engineers in the design process, and quality control management.
05/20 – 06/22	**LADOTD H.014324, LA- 3250: I-49/UPRR Overpass Repair, Alexandria, Louisiana** – Project manager for a repair of a precast prestressed girder bridge crossing I-49 and the UPRR. Assessed the damaged structure to determine repair needs and developed the concept of the replacement utilizing accelerated bridge construction techniques. Led the design team in the analysis of the new segment. Oversaw the detailing of the new segment and the outlining of the removal section to allow for seamless placement of the new segment within the footprint of the removed segment.
12/16 – 05/19	**LADOTD H.010012, U.S. 80 over I-20, Ouachita Parish, Louisiana** – Project task manager for demolishing and replacing a deficient bridge in crossing I-20. Tasked with design checking of the steel girder spans, design of the intermediate bent, and design check of the end bents. Also utilized accelerated bridge construction techniques to develop a construction phasing plan limiting the closure of I-20.
06/17 – 12/18	**LADOTD H.013052, LA- 442 over Tangipahoa River Bridge Replacement, Tangipahoa Parish, Louisiana** – Project manager for a bridge replacement of a bridge with scour concerns caused by the August 2016 flooding. The replacement structure utilized precast prestressed LG-36 girders. Tasked with design checking of superstructure and substructure, developing the construction plans, and managing the project.
11/19 – 09/20	**LADOTD H.012485.1, Off-System Bridge Rating (53 Bridges), Statewide Louisiana** – Project manager and lead load rating engineer for a large off-system load rating task. To comply with FHWA NBIS Metric #13, a substantial number of structures required load rating. Lead the effort overseeing the team to rate the various structures, which included pre-stressed girder bridges, rolled I-beam bridges, steel plate girders, and reinforced concrete slab spans. Many structures had poor quality, incomplete, or completely missing plans. Utilized engineering judgment and coordination efforts with LADOTD load rating group to develop the load ratings of structures with missing or incomplete plans.
09/20 – 09/21	**LADOTD H.012889.5, I-20 Median Barrier, Bossier City, Louisiana** – Lead load rating engineer and load rating task manager for the load rating of 12 bridges along the I-20 corridor in Bossier City, Louisiana, as part of a larger median barrier design project. Bridge types included various steel structures, including curved continuous plate girders with expansion links and straight steel girders, hammerhead concrete column bents, haunched reinforced concrete T girder spans, and pre-stressed concrete girders. The curved continuous steel girders required 3D FEM analysis to complete.
03/14 – 12/15	**LADOTD H.009859.5, Load Rating of 125 Bridges, Statewide, Louisiana** – Load rating engineer who led the analysis, load rating and report development for 125 bridges throughout the state of Louisiana. The bridges included straight and curved steel I-girder spans, prestressed precast concrete girder spans, reinforced concrete girder spans and slab span superstructures. Pile supported sub structures consisting of timber, concrete and steel piles were included in the ratings.
10/16 – 07/18	**LADOTD H.009859, Load Rating of Complex Bridges, Rapids and St. Mary Parishes, Louisiana** – Project manager, lead rating engineer and lead inspector for this project which involved the inspection and load rating of two truss bridges: the LA 182 over Charenton Canal Bridge and the Jackson Street Bridge over the Red River. Completed the load rating of the Charenton Canal truss and reinforced concrete spans, developed the load rating report, and in a separate project, developed means to rehabilitate the structure.

Firm Employed By: HNTB Corporation			
Name:	Benjamin Goodner, PE	**Years of relevant experience with this employer:**	17
Title:	Bridge Department Manager	**Years of relevant experience with other employer(s):**	0
0Degree(s) / Years / Specialization:		Bachelor of Science / 2008 / Civil Engineering	
Active Registration Number / State / Expiration Date:		38208 / LA / 3-31-2024	
Year Registered:	2013	**Discipline:**	Civil
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Bridge Task Lead. **Ben's experience fulfills MPR No. 4.** **PROFESSIONAL PROFILE:** Ben is a structural engineer with 13 years of rural and urban bridge design experience working on LADOTD projects. He leads a team of 13 engineers and technicians in bridge inspection, design, analysis, rating, and plan production. He has extensive experience in the rehabilitation of existing structures utilizing the LADOTD standard specifications for roadways and bridges. He has experience in a variety of program management tasks including cost estimating, benefit cost analysis, funding procurement, owner's verification services, design oversight, and construction services. His experience also includes levee, floodwall, roadway and drainage design; levee inspection; site layout and grading plans.	

10/22 – Present	**East Baton Rouge Parish IIJA Off-System Bridge Replacement Program, East Baton Rouge Parish, LA** – Program manager on this $38.5M program replacing poor condition off-system bridges throughout the parish over the course of multiple years. The program management encompasses all preliminary and final design tasks including environmental, hydraulics, surveying, right-of-way, roadway, traffic control and structural. Along with managing the internal team, Ben manages the contracting and design tasks for multiple subconsultants.
09/20 – Present	**LADOTD H.012889, I-20 Rehab (Pines Road to I-220), Bossier Parish, Louisiana** – Project manager on this bridge rehabilitation and median barrier replacement project. Responsibilities include managing design task and plan production, layout and design of median barrier, construction phasing, quantities and cost estimates. The project is currently in the construction services phase where responsibilities include answering RFIs and reviewing shop drawings and contractor proposals.
04/13 – Present	**LADOTD H.008145, LA- 1 Phase 2, Leeville to Golden Meadow, Louisiana** – Lead engineer responsible for developing the design and plans for the 9-mile stretch of bridge and a 300-foot concrete T-Wall. His responsibilities included preliminary superstructure design of LG girders, deck design, substructure design, preliminary and final plan development, checking plans and design calculations, T-Wall site layout and plan and specification development. He also performed field investigations and developed detailed plans conforming to LADOTD design guidelines and standards. He coordinated the proposed roadway and drainage design features to meet the LADOTD's minimum design guidelines, Road Design Manual, EDSM publications, and to conform with the Hydraulics Manual.
09/19 – 02/22	**City of New Orleans, Morrison Bridges, New Orleans, Louisiana** – Project manager for the rehabilitation three slab span bridges and replacing two slab span bridges along the Morrison Road Corridor. Responsibilities included managing design and plan production, substructure and superstructure design, substructure and superstructure rehabilitation, construction phasing, quantities and cost estimates.
09/20 – 09/21	**LADOTD Caddo Lake Bridge (HBI), Caddo Parish, Louisiana** – Project manager on this bridge replacement project. Responsibilities include managing design task and plan production, design of LG girders, design of substructures, site layout, construction phasing layout, quantities and cost estimates. Tasks also include managing all submittals and reviews for construction services.

Firm Employed By: HNTB Corporation	
09/18 – 05/19	**LADOTD H.000974.5, LA- 15 over Boeuf River Bridge Replacement, Monroe, Louisiana** – Design engineer on this project, developing design and plans. He was a key member in the team tasked with developing plans, quantities and cost estimates.
12/18 – 05/19	**LADOTD H.010008, LA- 532 over I-20, Webster Parish, Louisiana** – Design engineer responsible for developing design and plans for the abutments and retaining walls. He was a key member in the team tasked with developing plans, quantities and cost estimates.
05/17 – 09/19	**Parish of New Orleans, St. Claude Avenue Bridge Link Pin Repairs, New Orleans, Louisiana** – Engineer responsible for developing repair plans for the link pin on this movable truss bridge. These structural and mechanical repairs are required to restore a rotating joint which has deteriorated over time. These repairs will ensure the structure can continue to operate for the foreseeable future.
05/17 – 10/18	**BR-0020-01(216)/105858-302000: US 84 I-20 Eastbound Bridge at I-55 South. Jackson, MS** – Project engineer for the final design and plan production of this 14-span bridge utilizing FIB-78 & FIB-84 girders. Responsibilities included girder layout and design of the multiple unique spans and girders with varying skews and curved alignment. Other responsibilities were abutment design, load rating of the structure and assembling the load rating report. He also conducted an advanced camber analysis on each girder. Due to the length of the beams, the client wanted to ensure the camber was accurately predicted.
12/16 – 01/18	**LADOTD H.010012, U.S. 80 over I-20 Accelerated Bridge Replacement, Monroe, Louisiana** – Design engineer responsible for the design and plans for the abutments and MSE walls. He was a key member in the team tasked with developing accelerated bridge construction procedures and provided QC for superstructure elements.
09/17 – 12/17	**LADOTD H.013052.5, Highway 442 Bridge Replacement, Tangipahoa Parish, Louisiana** – Design engineer who developed design and plans. He was a key member of the team tasked with developing plans, quantities, and cost estimates.
06/17 – 09/17	**LADOTD H.011494, U.S. 90 over Atchafalaya River, Morgan City, Louisiana** – Lead engineer in developing rehabilitation plans for the U.S. 90 Atchafalaya River Bridge based on the inspection report. Repair items consisted of lower chord splice plate repairs, connection angle and plate retrofits and replacements, replacing missing or severely corroded bolts and rivets, retro fit of a new safety cable system, and gusset plate stiffening.
02/17 – 09/17	**LADOTD H.013076.5, U.S. 90 I-10 Overpass Interim Repairs, Westlake, Louisiana** – Lead engineer on this project, inspecting, rating existing structure and developing repair plans.
12/11 – 06/17	**LADOTD H.003263, I-20 Bossier City Bridge Inspection and Design, Bossier City, Louisiana** – Inspector for five bridges along I-20, analyzed the structures and diagnosed the deficiencies. After the condition assessment and analysis, he was a key member in the team designing new bearings for each bridge, developing plans for the accelerated replacement of the backwalls, and addressing other deficiencies.

Firm Employed By: HNTB Corporation			
Name:	Marc Hoffmann, PE	**Years of relevant experience with this employer:**	6
Title:	Project Engineer	**Years of relevant experience with other employer(s):**	3
Degree(s) / Years / Specialization:		MS / 2018 / Civil Engineering BS / 2015 / Civil Engineering	
Active Registration Number / State / Expiration Date:		44342 / LA / 09-30-24	
Year Registered:	2020	**Discipline:**	Civil
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Bridge Project Engineer **PROFESSIONAL PROFILE:** Marc brings more than eight years of experience in bridge design, inspection, evaluation, and rehabilitation. During his tenure, he has gained extensive knowledge of the AASHTO manuals for bridge design, evaluation, and element inspection.	

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).
06/18 – 05/21	**LADOTD H.000974.5, LA- 15 over Boeuf River Bridge Replacement, Monroe, Louisiana** – Technical engineer and designer for the new LA 15 bridge over Boeuf River. The new bridge design utilized precast prestressed concrete beams on reinforced concrete bent caps. As a technical engineer for the project, he was tasked with designing the major portions of the bridge, including the deck and concrete bent caps. He also helped create models for the design of the superstructure and substructure using Leap Bridge Concrete.
09/20 – 03/21	**LADOTD H.001166, LA- 1 over Caddo Lake Bridge Replacement, Shreveport, Louisiana** – Technical engineer and designer for the new LA 1 bridge over Caddo Lake. The new bridge design utilized precast prestressed concrete beams on reinforced concrete bent caps. As a technical engineer for the project, he was tasked with aiding in the design of the substructure bent caps for the intermediate bents and the abutments. He also helped create models for the design of the substructure using Leap Bridge Concrete.
05/18 – 08/18	**LADOTD H.010007, LA- 70 Pierre Part Bay Bridge Rehabilitation, Pierre Part, Louisiana** – Technical engineer for the inspection, load rating and condition assessment of the LA 70 bridge over Pierre Part Bay. The bridge consisted of reinforced concrete beam approach spans and a steel girder swing span. As a technical engineer on the project, he compiled the inspection findings and repair recommendations into a condition assessment report. He also load rated the bridge and incorporated section loss found during the inspection into the load rating analysis. He utilized AASHTOWare Bridge Rating and Bentley STAAD.Pro for the load rating.
10/18 – 05/19	**LADOTD H.010008, LA- 532 over I-20 Bridge Design, Monroe, Louisiana** – Technical engineer and designer for the new LA 532 bridge over I-20. The new bridge design utilized precast prestressed concrete beams on reinforced concrete bent caps with reinforced concrete columns. As a technical engineer for the project, he was tasked with designing the major portions of the bridge, including the girders, deck, and substructure. He used Leap Bridge Concrete to create models for the superstructure and substructure of the bridge that were used for the design. Once the designs were finalized, Marc created MicroStation sheets to convey the design and construction intent, and the sheets were submitted to LADOTD.

Firm Employed By: HNTB Corporation			
Name:	Patrick Duffy, PE	**Years of relevant experience with this employer:**	3
Title:	Project Engineer	**Years of relevant experience with other employer(s):**	5
Degree(s) / Years / Specialization:		MS / 2020 / Civil Engineering BS / 2016 / Civil Engineering	
Active Registration Number / State / Expiration Date:		45363 / LA / 09-30-25	
Year Registered:	2021	**Discipline:**	Civil
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Bridge Project Engineer **PROFESSIONAL PROFILE:** Patrick has experience working on a variety of bridges, including slab span, steel I-beam, steel plate girder swing span, steel truss, concrete precast slab units, and concrete pre-stressed girder bridges. Having worked on both simple and complex bridges throughout Louisiana for the LADOTD, he is familiar with the proper requirements and standards that the LADOTD expects. He is proficient in essential programs such as AASHTOWare BrR, Bentley LEAP RCPier, MathCad, and MicroStation.	

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
06/23 – 07/23	**TXDOT FM 156 Underpass at Alliance Logistic Connector, Dallas, Texas** – Project engineer who served as task lead for the bridge design and plan development of a 3-Span 370' bridge utilizing prestressed concrete girders and column bents. Lead team through superstructure and substructure design as well as provided QCQA on plan development. The bridge followed traditional design methods and a compressed schedule creating a 95% plans set in 5 weeks.
04/21 – 10/21	**LADOTD H.008145, LA- 1 Phase 2 Bridge, Lafourche Parish, Louisiana** – Bridge engineer on the slab span substructure design team for the elevated bridge intersection connecting relocated LA 1 with the existing road and bridge repair. He was a team lead for load rating of new superstructure and substructure of Phase 2C. The project involves elevating an 8.3-mile stretch of two-lane, at-grade, rural state highway 1 to 22 feet above the rising Gulf of Mexico and surrounding marsh to eliminate frequent inundation and consequential energy production impacts.
05/17 – 04/21	**LADOTD H.002980, I-10 Overpass Over US 165 and MPRR, Jefferson Davis Parish, Louisiana** – Structural engineer intern with SDR Engineering responsible for designing the deck of the overpass and approach spans. He determined the proper dimensions and reinforcement in accordance with LaDOTD and AASHTO specifications, detailed the required elements, and created final plans which were consistent with the required construction phasing. He also designed the bridge deck drainage. This project included the final plans for a widening process of the existing I-10 overpass over US 165 & MPRR. The existing I-10 overpass consists of two-lane traffic in both westbound and eastbound directions. The widening process is separated into three main stages: (1) build a new two-lane traffic bridge next to the existing bridge and divert the traffic from the existing bridge onto the newly constructed structures; (2) remove the existing bridge and build two new two-lane bridge at the existing location; and (3) apply final pour to connect both bridges into four-lane bridges.

Firm Employed By: HNTB Corporation			
Name:	Brian Powell, PE	**Years of relevant experience with this employer:**	21
Title:	Sr. Geotechnical Project Engineer	**Years of relevant experience with other employer(s):**	1
Degree(s) / Years / Specialization:		MS / 2007 / Civil Engineering (Geotechnical) BS / 2002 / Civil Engineering	
Active Registration Number / State / Expiration Date:		41551 / LA / 9-30-2025; 29116 / MS / 12-31-2024; 31900-6 / WI / 7-31-2024	
Year Registered:	LA 2017; MS 2018; WI 2007	**Discipline:**	Civil
Contract Role(s) / Brief Description of Responsibilities:		**CONTRACT ROLE:** Geotechnical Task Lead **PROFESSIONAL PROFILE:** Brian is a project engineer with 22 years of experience in geotechnical design involving Louisiana soils and bridge structures. His geotechnical infrastructure experience includes subsurface investigations including soil borings, laboratory testing, cone penetrometer test (CPT) soundings, water level observations, geophysical explorations, soil classification, site characterization, and soil boring logs according to ASTM standards and FHWA Geotechnical Engineering Circular No. 5 (GEC 5). His geotechnical engineering design experience includes preparing work scopes, managing subsurface investigations, designing, planning, preparing geotechnical data and interpretation reports, and developing specifications for geotechnical aspects of transportation and bridge projects. His experience includes design of temporary and permanent earth retaining structures; groundwater drawdown and embankment settlement; slope stability (e.g., Spencer's); seepage and cutoff walls; shallow and deep foundations (e.g., driven pile, drilled shaft, and others); bridge foundation load test programs (e.g., static, dynamic and bi-directional load tests); deep foundation lateral loading, uplift, group effect, downdrag and settlement induced bending, scour; staged embankment surcharge preloading and monitoring, lightweight fill, wick drains, soil improvement, pavement, levees, embankments, floodwalls, geotechnical instrumentation and geosynthetics and time rate predictions. His deep foundation design experience includes design methodologies including LRFD design, FHWA Geotechnical Engineering Circulars (GEC) No. 10 and No. 12, LTRC Project 98-3GT, and La DOTD Bridge Design Technical Memorandum, LADOTD MSEW Design Guide, G.E.D.G. No. 8, AASHTO Bridge Design Specifications, and USACE EM-1110-2-2504, Design of Sheet Pile Walls	

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).
10/18 – 04/19	**LADOTD H.000974.5, LA- 15 over Boeuf River Bridge Replacement, Monroe, Louisiana** – Geotechnical engineering task lead for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, seismic evaluation, approach embankment settlement calculations and slope stability.
09/20 – 03/21	**LADOTD H.001166, LA- 1 over Caddo Lake Bridge Replacement, Shreveport, Louisiana** – Geotechnical engineering task lead for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, approach embankment settlement calculations, and slope stability.

Firm Employed By: HNTB Corporation	
08/15 – Present	**LADOTD H.008145, LA- 1 Leeville to Golden Meadow Phase 2, Leeville, Louisiana** – Geotechnical engineering task lead for the Phase II floodwall design at the Larose to Golden Meadow levee system that required a Section 408- permit review with the USACE. The project included constructing a 9-mile bridge from Leeville to Golden Meadow. Geotechnical tasks included T-wall-type floodwall design and foundation support, seepage cutoff, and global stability analyses according to USACE Hurricane Storm Damage and Risk Reduction System (HSDRRS) design guidelines with a 3-D settlement analysis to estimate floodwall subsidence. Oversaw pile production driving and dynamic testing documentation for Phase 2E and currently overseeing the dynamic testing task for Phases 2A-C.
01/19 – Present	**LADOTD H.011670, I-10 Loyola Interchange Design-Build Owner Verification, Jefferson Parish, Louisiana** – Senior geotechnical engineer contributor for the design-build owner's verifier CEI support services contract. Responsibilities include a review of design reports, design criteria, adherence to the performance-based specifications, and constructability of design-builder's progress submittals of this critical interchange connecting I-10 and Loyola Avenue through the local urban communities and downtown New Orleans to the Louis Armstrong New Orleans International Airport terminal expansion.
07/18 – Present	**USACE New Orleans, Comite River Diversion U.S. 61 and KCS Railway Bridges and Shoofly Design, East Baton Rouge Parish, Louisiana** – Geotechnical engineering task lead and HNTB project manager for the Comite River Diversion soil boring program, channel slope stability design and bridge foundations for the new KCS Railway and U.S. 61 bridges over the Comite River diversion project. Foundations included PPC piles, steel pipe piles and drilled shafts up to 12 feet in diameter.
07/18 – 04/19	**LADOTD H.010008, LA- 532 over I-20 Bridge Replacement, Webster Parish, Louisiana** – Geotechnical engineering task lead for an off-alignment bridge replacement with an accelerated design and plan development schedule. Geotechnical tasks included the design for drilled shaft foundations and the development of bi-directional load tests.
07/19 – Present	**USACE New Orleans, Comite River Diversion, Bayou Baton Rouge Drop Structure Rock Chute, Carney Road Bridge, and Pump Station, East Baton Rouge Parish, Louisiana** – Senior geotechnical engineering task lead and HNTB project manager responsible for geotechnical design and management of scour countermeasure and pump station design for approximately 4,000 feet of a 50-foot-deep by 300-foot-wide diversion channel, 2,500 feet of rock chute drop structure and temporary bypass channels, Carney Road bridge precast prestressed concrete pile foundation and 1.5 cubic feet squared submersible pump station. The environmental pump station was required to recharge downstream of Bayou Baton Rouge. The geotechnical design included pile foundations and preload analyses, down drag evaluation, channel slope stability, temporary retaining structure design, and excavation dewatering evaluations.
01/18 – 06/19	**LADOTD H.012079, LA 23 Belle Chasse Bridge and Tunnel Replacement P3: Plaquemines Parish, Louisiana** – Geotechnical technical procurement team member tasked with the development of technical procurement documents. This P3 project, the first of its kind in Louisiana, will replace two obsolete highway facilities with one new fixed-span bridge.

Firm Employed By: HNTB Corporation			
Name:	Jared Sommers, PE	**Years of relevant experience with this employer:**	13
Title:	Sr. Geotechnical Engineer	**Years of relevant experience with other employer(s):**	0
Degree(s) / Years / Specialization:	BS / 2012 / Civil Engineering BS / 2007 / Mathematics		
Active Registration Number / State / Expiration Date:	40978 / LA / 03-31-2025		
Year Registered:	2016	**Discipline:**	Civil
Contract Role(s) / Brief Description of Responsibilities:	**CONTRACT ROLE:** Geotechnical Task Lead **PROFESSIONAL PROFILE**: Jared is a geotechnical project engineer experienced in developing work scopes, managing subsurface investigations, design, plans, and preparing specifications for geotechnical aspects of transportation, bridge, railway, aviation, architectural, environmental and water infrastructure projects for private sector, municipal, state and federal clients. He has engineering experience in Louisiana, Mississippi, Texas, Arkansas, Missouri and Iowa. His expertise includes levees, embankments, floodwalls, settlement, slope stability, seepage and deep foundations.		

Experience Dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
09/20 – 03/21	**LADOTD H.001166, LA- 1 over Caddo Lake Bridge Replacement, Shreveport, Louisiana** – Geotechnical engineer for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, approach embankment settlement calculations, and slope stability.
10/18 – 04/19	**LADOTD H.000974.5, LA- 15 over Boeuf River Bridge Replacement, Monroe, Louisiana** – Geotechnical engineer for an off-alignment bridge replacement. Geotechnical tasks included foundation design using precast, prestressed concrete piles, drivability, seismic evaluation, approach embankment settlement calculations and slope stability.
01/13 – 10/16	**LADOTD H.008145, LA- 1 Bridge – Section 408 Document for the Golden Meadow Ring Levee, Golden Meadow, Louisiana** – Assisted in seepage analysis and T-wall design for the bridge levee crossing. He helped determine the depth of sheet pile to prevent any heave or uplift on the levee in a storm event and helped design the T-wall under the bridge to prevent future levee lifts from causing downdrag on the bridge piles resulting in unwanted settlement.
07/18 – 06/20	**USACE New Orleans, Comite River Diversion U.S. 61 and KCS Railway Bridges and Shoofly Design, East Baton Rouge Parish, Louisiana** – Geotechnical engineer responsible for the Comite River Diversion drilling program, stability design and bridge foundations for the new KCS Railway and U.S. 61 bridges over the Comite river diversion project. Foundations included PPC piles, steel pipe piles and drilled shafts up to 12 feet in diameter.

Firm Employed By: HNTB Corporation			
Name	Patrick Roth, PE	**Years of relevant experience with this employer**	12
Title	Engineering Project Manager	**Years of relevant experience with other employer(s)**	4
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		41553 / LA / 09-30-2025; 28132 / MS / 12-31-2024; 136722 / TX / 09-30-2024	
Year registered	LA 2017, MS 2017, TX 2019	**Discipline**	Civil
Contract role(s) / brief description of responsibilities		**CONTRACT ROLE:** Inspection Task Lead **PROFESSIONAL PROFILE** : Patrick is a project manager and National Highway Institute (NHI)/Federal Highway Administration (FHWA) Certified Bridge Inspector in HNTB's bridge group. He brings 16 years of structural and bridge engineering experience, including the inspection, analysis and rehabilitation of existing structures as well as design of new bridge, highway and flood control structures. He is also experienced in construction management and has provided on-site services for bridge construction projects. As project manager and lead inspection team leader, Patrick is responsible for planning, scheduling all personnel and equipment, coordination with multiple agencies and management of multiple teams in the field to ensure completion of the project on time, on budget and to the client's satisfaction.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/16 – Present	**LADOTD NBIS In-Depth Inspection of the I-10 Calcasieu River Bridge, Lake Charles, Louisiana** – Project manager and lead team leader. For the 2016, 2021, and 2023 NBIS in-depth inspections of this arch truss bridge over the Calcasieu River, Patrick's duties included planning inspection, scheduling all personnel and equipment, and managing multiple teams in the field. He also inspected fracture critical members and was responsible for development of the element level reports and in-depth inspection reports and inputting into LADOTD's asset management system.
11/17 – 03/18	**LADOTD H.009730, Task Order 5: NBIS In-Depth Inspection of LA- 23 Judge Perez Bridge, Belle Chasse, Louisiana** – Project manager and team leader in the 2017 in-depth inspection of this vertical lift bridge crossing the Intracoastal Waterway. Responsibilities included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field. He inspected fracture critical members as part of this work. He was responsible for development of the InspectTech element level report and in-depth inspection report.
04/17 – 09/17	**LADOTD H.009730, Task Order 4: NBIS In-Depth Inspection of the LA- 1 Lockport Bridge, Lockport, Louisiana** – Project manager and team leader in the 2017 in-depth inspection of this vertical lift bridge crossing the Company Canal. His duties included managing inspection and working with subconsultant to complete inspection. He inspected fracture critical members as part of this work. He was responsible for quality control of the InspectTech element level report and in-depth inspection report.
03/17 – 05/17	**LADOTD H.009730, Task Order 3: NBIS In-Depth Inspection of the U.S. 90 Atchafalaya River Bridge, Morgan City, Louisiana** – Assisted in the 2017 NBIS in-depth inspections steel truss bridge as a certified team leader. He inspected various superstructure components including fracture critical elements and was charged with developing portions of the in-depth inspection report.
06/17 – Present	**LADOTD H.011494.5, U.S. 90 Atchafalaya River Bridge Rehab, Morgan City, Louisiana** – On-site project engineer performing CE&I services for this bridge rehabilitation project. He was a certified team leader for the NBIS in-depth inspection of this bridge and assisted in the development of the rehabilitation plans. His duties as project engineer included answering RFIs, reviewing shop drawings and all contractor submittals, inspection of all structural construction activities, final acceptance inspection, quality assurance and assisting DOT project manager with close-out documentation.

Firm Employed By: HNTB Corporation	
01/17 – 06/17	**LADOTD H.009730, Task Order 3: NBIS In-Depth Inspection of the I-310 Mississippi River Bridge, Luling, Louisiana** – Project manager and team leader in the 2017 in-depth inspection of this orthotropic deck cable-stayed bridge crossing the Mississippi River. His duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field to ensure completion of the inspection of the superstructure consisting of longitudinal box girders, under-side of orthotropic deck, floorbeams, cross girders and lower cable anchorages. He also led the inspection via rope access of the steel towers, stay cables and friction dampers. He inspected fracture critical members as part of this work. He was responsible for development of the PONTIS element level report and in-depth inspection report.
08/18 – 05/20	**LADOTD H.009730, Task Order 3: NBIS In-Depth Inspection of the I-310 Mississippi River Bridge, Luling, Louisiana** – Project manager and team leader in the 2017 in-depth inspection of this orthotropic deck cable-stayed bridge crossing the Mississippi River. His duties included planning inspection, scheduling all personnel and equipment and managing multiple teams in the field to ensure completion of the inspection of the superstructure consisting of longitudinal box girders, under-side of orthotropic deck, floorbeams, cross girders and lower cable anchorages. He also led the inspection via rope access of the steel towers, stay cables and friction dampers. He inspected fracture critical members as part of this work. He was responsible for development of the PONTIS element level report and in-depth inspection report.
05/21 – 06/22	**Arkansas Department of Transportation (ArDOT) Hernando de Soto Bridge (I-40) over the Mississippi River, Memphis, Arkansas and Memphis, Tennessee** – Team leader for the emergency inspections of the back-to-back, 900-foot tied trussed arch bridge unit over the Mississippi River. These inspections resulted from the identification of a significant fracture in a section of the fracture critical tie girder, requiring immediate closure of the span to traffic and the Mississippi River to navigation traffic. HNTB assisted ArDOT with the review of repairs designed by the Tennessee Department of Transportation's consultant. HNTB developed a structural model which demonstrated that there was no viable alternative load path and that the bridge should remain closed until repairs could be safely implemented.

Firm Employed By: Vectura Consulting Services, LLC			
Name:	Sheelagh Brin Ferlito, PE, PTOE	**Years of relevant experience with this employer:**	8
Title:	Principal	**Years of relevant experience with other employer(s):**	27
Degree(s) / Years / Specialization:		BS / 1988 / Civil Engineering	
Active registration number / state / expiration date:		25383 / LA / 9/30/2025	
Year registered:	1993 **Discipline:**	Civil Engineering	
Contract role(s) / brief description of responsibilities:		Traffic Control Design / Temporary Traffic Signal Analysis and Design QC **Ms. Ferlito meets MPR No. 6**.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 - Present	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** – Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – Present	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** – Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – Present	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP (Belle Chasse, LA)** – Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.
04/18 – 06/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)** – Brin reviewed 60 Percent Preliminary Signing and Striping Plans and developed documented comments based on LADOTD Road Design Manual, LADOTD Standard Details and MUTCD. She is also the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. She coordinated access management issues using aerials, aged traffic volumes and Synchro Software.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish, LA)** – Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** – Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17 – 04/18	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** – Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.

Firm Employed By: Vectura Consulting Services, LLC	
02/17 – 10/17	**Stage 0 Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)** – Brin developed the safety analyses for a Stage 0 Study for 4 intersections in the Mandeville area. The study was based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Brin assisted collecting 7-day, 24-hour counts w/ Classification, turning movement counts for peak periods and speed data for mainlines. She developed signal timing in the PTV Vistro software. The signal timings were then used in Sidra to complete the HCM analyses. Brin provided a quality control review of the traffic report.
06/16 – 09/17	**H.004490 Stage 0 Roundabout Studies (Lafayette Parish, LA)** – Brin developed sections of a Stage 0 Feasibility Study for roundabouts the conformed to DOTD EDSMs and Traffic Engineering Manual Section 20.2 at ten intersections in the Lafayette area. Brin, along with Laurence, collected 7-day, 24-hour counts w/ classification, turning movement counts for AM and PM peak periods and speed data for mainlines. Brin provide a QC review of the Sidra analyses and developed traffic signal timing for 3 intersections for Years 2019 and 2039, AM & PM peak hours and developed a crash analyses as defined in Section 20.2 of TEM. CMF factors were identified for the preferred alternative to predict the number of crashes that could be eliminated. Brin provided a QC review of the final draft.
04/14 – 12/14	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project (Baton Rouge, LA)** – As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12 – 03/14	**EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)** – Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08 – 09/09	**SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)** – Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
03/05 – 11/05	**Airline Hwy Widening SPN 700-99-0332 (Baton Rouge, LA)** – Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	**EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172 (Baton Rouge, LA)** – Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

Firm Employed By: Vectura Consulting Services, LLC			
Name:	Laurence Lambert, II, PE, PTOE, PTP	**Years of relevant experience with this employer:**	8
Title:	Principal	**Years of relevant experience with other employer(s):**	18
Degree(s) / Years / Specialization:		BS / 1997 / Civil Engineering MS / 2006 / Civil Engineering MBA / 2010	
Active registration number / state / expiration date:		29901 / LA / 3/31/2024	
Year registered:	2001	**Discipline:**	Civil Engineering
Contract role(s) / brief description of responsibilities:		TMP QC **Mr. Lambert meets MPR No. 6**.	

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).
02/21 - 03/21	**H.013256.5 I-10 ITS Scott to Lake Charles (Southwest Louisiana)** – Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
07/22 – 09/22	**H.013716.5 – US 167: Camellia Blvd – Churchill Dr (Lafayette, LA)** – Pedestrian Count Study Laurence developed a technical memorandum as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the Traffic Engineering Manual Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk.
07/19 – Present	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** – At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
04/18 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales (Ascension, LA**) – Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish, LA)** – Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** – Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
09/17-04/18	**US 11 at US 190 Bus. (Fremaux Ave.)** – Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA Laurence assisted Brin in the development of a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
10/17 - 10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA)** – Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized

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	and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
01/17 – 07/17	**RPC Task ST-1.17 Minnesota Park Road Improvements (Tangipahoa Parish)** – Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 feasibility study. Laurence utilized Sidra software to perform an alternative analyses Highway Capacity Manual Analyses that included STOP, signal, and a roundabout
09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36)** – Corridor Study (St. Tammany Parish, LA) Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/14 - 01/17	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Multiple States)** – FHWA funded workshops for state Departments of Transportation that were interested in learning more about innovative intersection & interchange design. Laurence presented either part or all the one-day or two-day workshops that included modules on the overall policy and goals of FHWA for these types of innovations, roundabouts, roundabout interchanges, DLTs, DDIs, J-turns / Superstreets, MUT, Thru-turns, quadrant, and the assessment tools (CAP-X) available to compare the measures of effectiveness of each innovation. Each module includes sections on design, traffic operations, safety and multi-modal accommodation Laurence has presented for the Alabama, Kentucky, Ohio, Oklahoma, Massachusetts, Tennessee, and Texas Departments of Transportation under this contract.
06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)** – Laurence performed a Stage 0 Feasibility Study for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA)** – This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
04/04 - 12/04	**I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen (Baton Rouge, LA)** – Laurence provided the traffic analysis for a highly unique reconfiguration of interstate ramps that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, Laurence performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Laurence prepared traffic signal timings and designs that included cost estimates for the project.
04/04 – 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA)** – Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

Firm Employed By: Vectura Consulting Services, LLC			
Name:	Reece Rodrigue, PE, PTOE, RSP1	**Years of relevant experience with this employer:**	4
Title:	Project Traffic Engineer	**Years of relevant experience with other employer(s):**	7
Degree(s) / Years / Specialization:		BS / 2013 / Civil Engineering	
Active registration number / state / expiration date:		42074 / LA / 3/31/2024	
Year registered:	2017	**Discipline:**	Civil Engineering
Contract role(s) / brief description of responsibilities:		Project Engineer for Traffic Control Design, Traffic Signal Analysis and 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).
04/21 – Present	**MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA** – Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
07/21 – Present	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** – Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles (Lafayette, Acadia, and Jefferson Davis Parishes)** – Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St. (Vernon Parish)** – Reece was a project engineer, who participated in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 (Ascension Parish)** – Reece was a project engineer, who assisted in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
04/20 – Present	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse)** – Reece is the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan, which was also used in planning for the permanent and temporary signal timing plans. Reece also produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Reece maintains correspondence with the fellow design engineering team for product consistency. In addition, Reece reviewed and approved shop drawings that were submitted by the contractor.
04/21 – Present	**MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA** – Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect

Firm Employed By: Vectura Consulting Services, LLC	
	layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10 (Baton Rouge, LA)** – Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	**Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA** – Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 – 12/16	**H.005733.5 US 190 Superstreet Task Order (St. Tammany Parish)** – Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	**Ochsner Main Campus Traffic Signals (Jefferson Parish)** – Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	**Loyola Interchange Modification Request, Kenner, LA** – Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	**H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3** – Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

Firm Employed By: Vectura Consulting Services, LLC			
Name:	Kristen Gahagan Farrington, PE, PTOE, RSP1	**Years of relevant experience with this employer:**	2
Title:	Project Traffic Engineer	**Years of relevant experience with other employer(s):**	7
Degree(s) / Years / Specialization:		BS / 2013 / Civil Engineering	
Active registration number / state / expiration date:		42785 / LA / 3/31/2025	
Year registered:	2016 **Discipline:**	Civil Engineering	
Contract role(s) / brief description of responsibilities:		Project Engineer for TMP	

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 – 07/23	**H.013722 Morgan City Sidewalks & Shared Use Path (Morgan City, LA)** – Kristen was the lead engineer as part of a DOTD Safety IDIQ contract to document if an approach at a signalized intersection met the warrants listed in the Traffic Engineering Manual Sections 3B.2.4 and 3B.2.8 for a pedestrian marked crosswalk. The study also included an evaluation of a mid-block crossing based on the criteria set in Section 3B.2.7 of the Traffic Engineering Manual. The study consisted of vehicular and pedestrian counts, spot speed study, a safety analysis and field observations.
04/21 – Present	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** – Kristen a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study (Baton Rouge, LA)** – Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the *FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations* were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project (Baton Rouge, LA)** – Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 – 2/21	**H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street (St. Landry Parish, LA)** – Kristen served as project manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 – 2/21	**H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road (Evangeline Parish, LA)** – Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0 (Vernon and Natchitoches Parishes, LA)** – Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was

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	responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA)** – Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 – 3/21	**H.013322 LA 3040 Feasibility / Safety Study Stage 0 (Houma, LA)** – Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish, LA)** – Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621 (Ascension Parish, LA)** – Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	**H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment** – Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

Firm Employed By: Vectura Consulting Services, LLC			
Name:	Bridget Robicheaux, PE, PTOE (part-time)	**Years of relevant experience with this employer:**	6
Title:	Project Traffic Engineer	**Years of relevant experience with other employer(s):**	9
Degree(s) / Years / Specialization:		BS / 2007 / Civil Engineering MS / 2014 / Civil Engineering	
Active registration number / state / expiration date:		41272 / LA / 3/31/2025	
Year registered:	2016	**Discipline:**	Civil Engineering
Contract role(s) / brief description of responsibilities:		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
07/21 – Present	**H.007160 EBR Computerized Traffic Signal, Phase VB (Baton Rouge)** – Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.
06/21 – 06/21	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA)** – Bridget assisted with the traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).
03/21 – 07/22	**H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, LA)** – Bridget is part of the team responsible for Construction Engineering and Inspection. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.
04/20 – 07/20	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project (Belle Chasse, LA)** – Bridget assisted the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.
04/19 – 01/20	**Traffic Studies for Broussard Middle School and Billeaud Elementary School (Lafayette Parish, LA)** – Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.
07/19 – Present	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA)** – Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple reviews of traffic studies and traffic signal designs. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** – Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.
10/17 – 07/18	**Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA)** – Bridget developed base year traffic volumes to calibrate and test of the regional travel demand as part of updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.

Firm Employed By: Vectura Consulting Services, LLC	
09/17 – 11/17	**US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study (St. Tammany Parish, LA)** – Bridget participated in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed raw traffic videos and developed AM and PM peak period turning movement vehicle count figures. She also assisted Brin with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.
02/17 – 10/17	**Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)** – Bridget participated in the development of a Stage 0 Feasibility Study for roundabouts at four intersections in St. Tammany Parish. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts for morning and evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for design year volumes were also developed based on information provided from the TransCAD model. She performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
06/16 – 09/17	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)** – Bridget assisted with developing a Stage 0 Feasibility Study for roundabouts at seven intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also developed several figures that were included in the report.

Section 17

LA 447 Roundabouts - Side by Side Visualizations
Roundabout Designs Solely Performed by
Stanley Consultants as a Subconsultant

17. Firm Experience

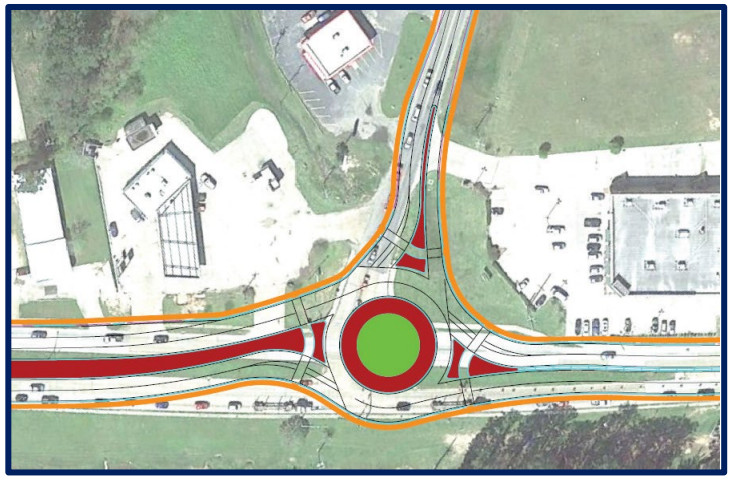
Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project Name	**US 171 at Boone Street Roundabout**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.011909.5	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	Vernon Parish, LA	Owner's Project Manager	Joshua Harrouch, PE, PTOE
Owner's Address, Phone, Email	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1302, toby.picard@la.gov		
Services Commenced By This Firm (MM/YY)	04/17	Total consultant contract cost ($1,000's)	$641
Services Completed By This Firm (MM/YY)	09/19	Cost of consultant services provided by this firm ($1,000's)	$413

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

Firm's Role: Stanley Consultants engineering and related services to develop construction plans for a multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to allow for improvements to safety and efficiency, while utilizing best access management practices along the corridor.

Project Description: This project was successfully completed by partnering with DOTD, multiple stakeholders and two local communities. We utilized SIDRA roundabout software to adjust and modify the conceptual design to help accommodate the multitude of utility conflicts and allow for the movement of large log trucks through the intersection. Complete Streets policies were incorporated within the roundabout design allowing bicyclist and pedestrians a safer means of travel along US 171 into the heart of Leesville. A detailed construction sequencing plan was developed to foster the safe and efficient movement of autos, commercial vehicles, bicycles and pedestrians during construction.

Team Members:
J Tisdale, PE
A Fields, PE
J Blohowiak, PE
K Lafitteau, EI
Vectura Consulting Services, LLC (sub)



PROJECT SUCCESS

This project site was complicated by over a half dozen utility companies and associated lines overlapping and running in multiple directions. Our team successfully worked with each of the utility companies and stakeholders to navigate all of the challenges. We adjusted the design as necessary to minimize impacts and limit the need for adjustments, which resulted in project cost and time savings.

"…the consultant always exceeded expectations and consistently represented themselves and the department very well."
~Project Evaluation Narrative, DOTD PM

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project Name	**LA 30 Roundabouts at Tanger Mall and I-10**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.010960.5	Owner's Name	Louisiana Department of Transportation and Development (LADOTD)
Project Location	Ascension Parish, LA	Owner's Project Manager	Joshua Harrouch, PE, PTOE
Owner's Address, Phone, Email	1201 Capitol Access Rd, Baton Rouge, LA; 225.242.4640; joshua.harrouch@la.gov		
Services Commenced By This Firm (MM/YY)	03/17	Total consultant contract cost ($1,000's)	$1,074
Services Completed By This Firm (MM/YY)	07/22	Cost of consultant services provided by this firm ($1,000's)	$825

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

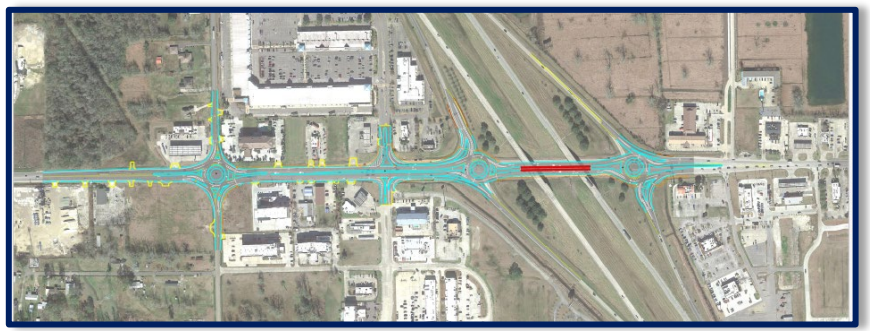
Firm's Role: Stanley Consultants provided engineering and related services to develop construction plans for roundabouts at the intersection of LA 30 and Tanger Blvd, and at the Eastbound and Westbound ramp termini at the LA 30 and I-10 Interchange in Gonzales, LA.

Project Description: Stanley Consultants provided engineering and related services to develop construction plans for roundabouts at the intersection of LA 30 and Tanger Blvd, and at the Eastbound and Westbound ramp termini at the LA 30 and I-10 Interchange in Gonzales, LA. Early and often coordination with DOTD's Traffic and Road Design Sections resolved concerns related to constructability issues and roundabout operations. Design decisions, criteria, and geometry were developed to accommodate the large retail center's average daily traffic and heavy trucking presence. Complicating things were multiple interim improvements along LA 30 which were under construction while this design was underway. Our team had to be nimble to keep up with and accommodate the many changes and evolving conditions, including a new development directly adjacent to one of the roundabouts.

Team Members:
J Tisdale, PE, A Fields, PE, J Blohowiak, PE, K Lafitteau, EI, R Pratt, PE
Vectura Consulting Services, LLC (sub)

PROJECT SUCCESS

Complex spiral geometry was required to provide all necessary turning movements through each of the three roundabouts included in this project. This project was sequenced to be constructed while maintaining all lanes of through traffic.



"The consultant has been a pleasure to work with from the beginning of the project through the final plan submittal. The lead designer, Jesse Tisdale has been a true partner in delivering the best project for the department."

~Project Evaluation Narrative, DOTD PM

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project Name	**LA 724: Roundabout @ Landry Road**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.013941	Owner's Name	DOTD
Project Location	Lafayette Parish, LA	Owner's Project Manager	D'lon Spurlock
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1948, dlon.spurlock@la.gov		
Services Commenced By This Firm (MM/YY)	04/23	Total consultant contract cost ($1,000's)	$329
Services Completed By This Firm (MM/YY)	10/25	Cost of consultant services provided by this firm ($1,000's)	$329

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

Firm's Role: Stanley Consultants is responsible for all aspects of the roundabout design and plan preparation for this project.

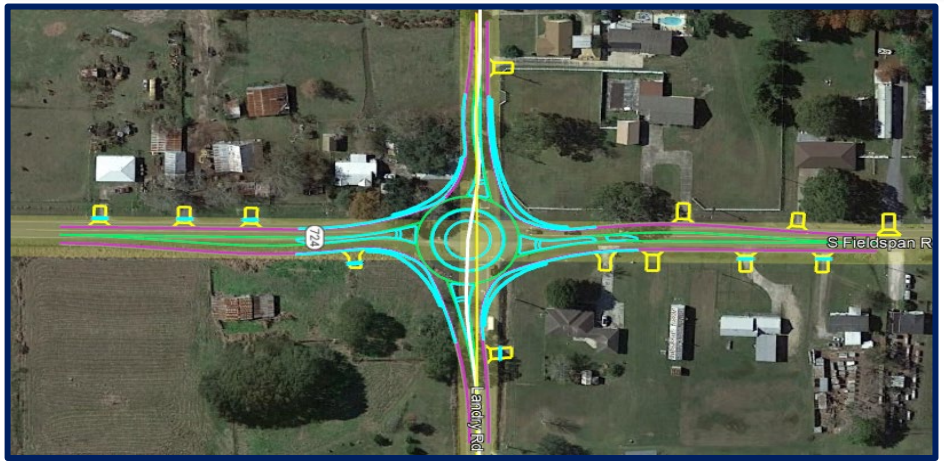
Project Description: This project includes the design of a single-lane roundabout at the intersection of LA 724 and Landry Road in Lafayette Parish. The project includes the roundabout and approaches as well as approx. 2500' of drainage design. This project integrates both subsurface drainage and open ditches for optimal water management and addresses existing drainage issues through this area.

Our approach to the geometric design of the roundabout adheres to both the 2023 NCHRP roundabout report design criteria and Louisiana DOTD design standards, ensuring the safety of the geometry as well as the compliance with current LADOTD requirements. The geometry for this project incorporates high speed roundabout approaches along LA 724. These new design requirements were introduced in 2023.

The scope of work for this project includes pavement widening, milling, AC overlay, construction of new AC pavement, curb and gutter, roundabout construction, roadway striping, roundabout signage, ADA ramps, and installation of drainage structures. Stanley Consultants is responsible for completing all required forms and documentation in support of the plan package including cost estimates, AASHTOWARE updates, design reports, Constructability / Biddability Report, Road Design QA/QC Reports, and any permit drawings required for this project.

SPECIAL PROJECT ASPECTS

This project incorporates new design requirements for high-speed design approaches to increase roundabout safety.



Team Members: J Tisdale, PE; J Blohowiak, PE; A Carter, PE; K Lafitteau, EI

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project Name	**LA 1088 Forest Brook Blvd Roundabout**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.012633	Owner's Name	DOTD
Project Location	St. Tammany Parish	Owner's Project Manager	Catherine Mastin, PE
Owner's Address, Phone, Email	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1652, catherine.mastin@la.gov		
Services Commenced By This Firm (MM/YY)	11/23	Total consultant contract cost ($1,000's)	$439
Services Completed By This Firm (MM/YY)	12/25	Cost of consultant services provided by this firm ($1,000's)	$439

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

Firm's Role: Stanley Consultants is providing all engineering and related services to develop construction plans for the widening of LA 1088 as well as the multilane roundabout at Forest Brook BLVD.

Project Description: This project includes designing a multilane roundabout at the intersection of LA 1088 and Forest Brook Boulevard and widening the existing two-lane corridor. The total length for this project is approx. 5000'. The design is also integrated and coordinated with projects immediately adjacent to the North and South. The project's construction sequencing, signage, striping, and geometry will all be coordinated with both adjacent projects. This is an intricate process that requires a great deal of coordination to prevent future issues during construction. This project integrated pedestrian and bicycle facilities the full length of the project as well.

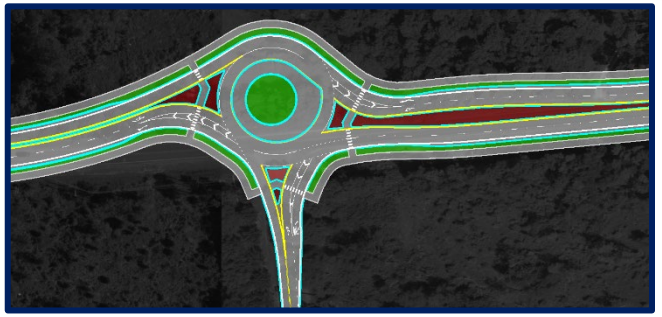
The roundabout itself requires both spiralized geometry through the roundabout while also utilizing high speed approach geometry to optimize traffic flow and increase safety on the approaches and through the roundabout. This design is in alignment with 2023 NCHRP report on roundabouts and DOTD design criteria.

The scope of work for this project includes, reconstruction of AC pavement, shared use path, sidewalks, curb and gutter, roundabout construction, roadway striping, roundabout signage, ADA ramps, and installation of drainage structures. Stanley Consultants was also responsible for the project's drainage requirements which included a combination of open ditches and subsurface drainage. The drainage on this project also required coordination with drainage on both adjacent projects in order to provide an overall consistent drainage plan for the corridor.

Stanley Consultants is responsible for completing all required forms and documentation in support of the plan package including cost estimates, AASHTOWARE updates, design reports, Constructability / Biddability Report, Road Design QA/QC Reports, and any permit drawings required for this project.

SPECIAL PROJECT ASPECTS

This project incorporates new design requirements for high-speed design approaches & spiralized geometry to increase roundabout safety and reduce crashes in the roundabout. Additionally, this project requires significant coordination with the two projects adjacent to this one to the North and South.



Team Members:
J Tisdale, PE; A Carter, PE

Firm Name	**Stanley Consultants, Inc.**	Past Performance Evaluation Discipline(s)*	Road
Project Name	**LA 447 Roundabouts**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H.005734.5	Owner's Name	DOTD
Project Location	Livingston Parish, LA	Owner's Project Manager	Ryan Morvant, PE
Owner's Address, Phone, Email	1201 Capitol Access Rd, Baton Rouge, LA; 225.379.1067; ryan.morvant@la.gov		
Services Commenced By This Firm (MM/YY)	12/22	Total consultant contract cost ($1,000's)	$681
Services Completed By This Firm (MM/YY)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$204

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

Firm's Role: In a subconsultant role, Stanley Consultants is supporting the prime consultant by providing engineering and related services to **ALL ASPECTS** of the geometric design and plan preparation for the two roundabouts included in the LA 447 Corridor widening project. These roundabouts are located at the Buddy Ellis Road and O'Donovan Boulevard intersections.

Project Description: This project is a corridor widening project along LA 447 in Walker, LA. The project includes widening the existing roadway as well as the design of two multilane roundabouts. The multilane roundabouts will service Buddy Ellis Road which provides connectivity to Juban Road and O'Donovan Blvd which is the only access for the local emergency room and Our Lady of the Lake Medical Plaza. **STANLEY CONSULTANTS IS SOLELY RESPONSIBLE FOR ALL ENGINEERING SERVICES RELATED TO THE DESIGN OF THE ROUNDABOUTS** in this project including: horizontal and vertical geometry, grading, drainage, sequence of construction, 3d modeling, and construction document preparation.

Team Members:
J Tisdale, PE; T Barr, PE; J Blohowiak, PE; A Carter, PE

SPECIAL PROJECT ASPECTS

This project required detailed coordination with DOTD geometric experts to coordinate the roundabout design. Due to the truck traffic and the need to maintain significant access to the Emergency medical facilities. This required larger than normal roundabouts. This was worked through with DOTD geometrics quickly and efficiently.

Firm Name	**HNTB Corporation**	Past Performance Evaluation Discipline(s)*	Bridge
Project Name	**Boeuf River Bridge Replacement**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.014454	Owner's Name	LADOTD
Project Location	Monroe, LA	Owner's Project Manager	Carl Gaudry, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1328 / carl.gaudry@la.gov		
Services Commenced By This Firm (MM/YY)	06/18	Total consultant contract cost ($1,000's)	$208
Services Completed By This Firm (MM/YY)	05/21	Cost of consultant services provided by this firm ($1,000's)	$208

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

Firm's Role / Project Description: The LADOTD identified the Louisiana Highway 15 (LA 15) bridge crossing Boeuf River as beyond its useful life. LA 15 over Boeuf River provides a critical route for local rural traffic south of Monroe, Louisiana.

HNTB developed final plans for a new bridge to replace the existing structure. The new bridge was built on an off alignment and on a horizontal and vertical curve. The existing bridge was used for vehicular traffic while the new bridge was constructed beside it. HNTB coordinated with the LADOTD roadway group to develop superelevation transition diagram plan sheets showing the horizontal curve transition on the bridge.

The new bridge used precast prestressed concrete girder superstructure units that allowed for the minimization of bridge deck joints. The minimal number of bridge deck joints resulted in less maintenance as well as improved driver comfort. HNTB also provided the geotechnical services for geotechnical design portion of the project, which utilized precast prestressed concrete piles.

HNTB provided construction support services through a secondary task order. Services included submittal reviews, RFI responses, contractor proposal reviews and a change order to modify the substructures due to construction difficulties.

Team Members:
B Goodner, PE
J Porter, PE
M Hoffmann, PE
B Powell, PE
J Sommers, PE

Relevancy:
Bridge Replacement
Geotechnical Design

Firm Name	**HNTB Corporation**	Past Performance Evaluation Discipline(s)*	Bridge
Project Name	**Caddo Lake Bridge Replacement (HBI)**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.001166	Owner's Name	LADOTD
Project Location	Shreveport, LA	Owner's Project Manager	Brian Allen, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1328 / brian.allen@la.gov		
Services Commenced By This Firm (MM/YY)	09/20	Total consultant contract cost ($1,000's)	$321
Services Completed By This Firm (MM/YY)	03/21	Cost of consultant services provided by this firm ($1,000's)	$321

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

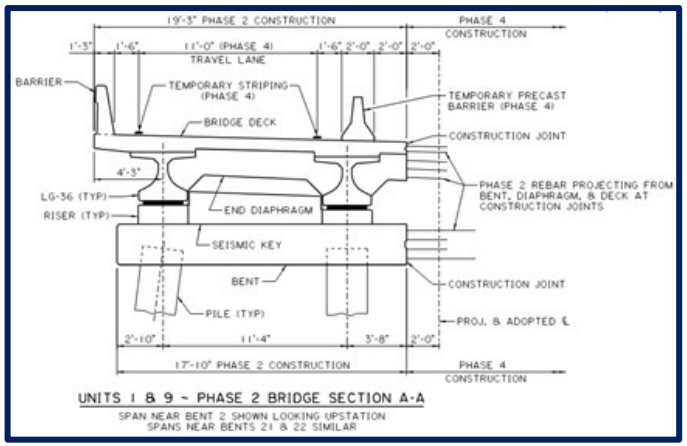
Firm's Role / Project Description: The LADOTD identified the Louisiana Highway 1 (LA 1) bridge crossing Caddo Lake as a structure deteriorating beyond what was considered repairable. LA 1 over Caddo Lake provides a critical route for local rural traffic north of Shreveport, Louisiana.

HNTB developed final plans for a new bridge replacing the existing structure. The bridge was built on an off alignment; however, the new alignment would tie back into the existing alignment at the bridge ends. The existing bridge remained open while the new bridge was constructed. As a result, the project required construction phasing for the beginning and end spans of the new bridge. The beginning bridge spans were on a horizontal curve, making phasing more challenging. HNTB coordinated with the roadway group and developed bridge phasing sheets that aligned with the roadway phasing sheets and allowed for clear construction sequence.

The new bridge used precast prestressed concrete girder superstructure units that allowed for the minimization of bridge deck joints. The minimal number of bridge deck joints caused the structure to require less maintenance as well as improving driver comfort while crossing the bridge. HNTB also provided the geotechnical services for geotechnical design portion of the project, which used precast prestressed concrete piles.

Team Members:
B Goodner., PE
M Hoffman, PE
B Powell, PE
J Sommers, PE

Relevancy:
Bridge Replacement
Construction Phasing
Geotechnical Design



Firm Name	**HNTB Corporation**	Past Performance Evaluation Discipline(s)*	Bridge
Project Name	**I-20: Texas State Line 0.44 Miles East of Monkhouse Drive**	Firm Responsibility (Prime Or Sub?)	Prime
Project Number	H.009575	Owner's Name	LADOTD
Project Location	Shreveport, Louisiana	Owner's Project Manager	Chris Guidry, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1328 / chris.guidry@la.gov		
Services Commenced By This Firm (MM/YY)	03/18	Total consultant contract cost ($1,000's)	$100
Services Completed By This Firm (MM/YY)	06/18	Cost of consultant services provided by this firm ($1,000's)	$100

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

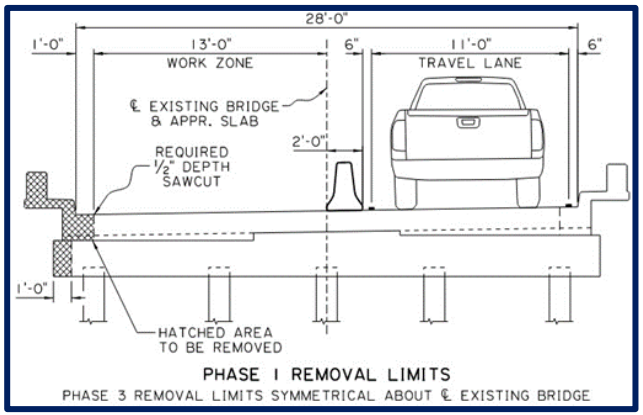
Firm's Role / Project Description: As part of a pavement widening project along I-20 near the Louisiana/Texas state line, the LADOTD identified the I-20 bridge crossing Cross Bayou Relief Canal as a structure requiring widening to include wider shoulders on the bridge. I-20 provides a critical route for traffic traveling between Louisiana and Texas in Northern Louisiana.

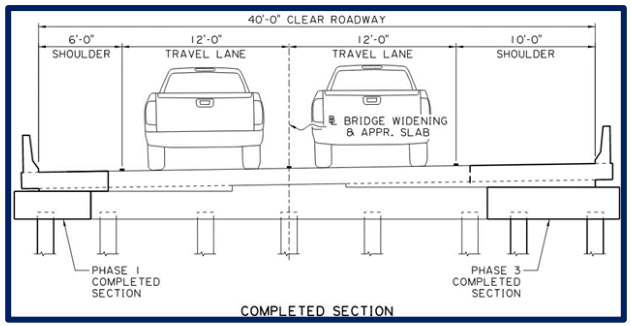
HNTB developed final plans on an expedited schedule for the widening of the I-20 bridge. The widening tied into the existing deck slab spans as well as the existing concrete bent caps. The existing bridge remained open during widening construction. As a result, the project required construction phasing. The existing bridge had 28 feet of available clear roadway width, making phasing more challenging. HNTB coordinated with the roadway group and developed bridge phasing sheets that aligned with the roadway phasing sheets, allowed for clear construction sequence, and allowed for one lane of traffic to be open for the duration of the project.

The new exterior portions of the bridge followed the same span type as the existing bridge, which were deck slab spans on reinforced concrete bent caps. HNTB used a pile size and spacing that could be constructed in a limited construction area and provided solutions for tying the new reinforcing steel in the deck to the existing reinforcing steel. HNTB also provided the geotechnical services for geotechnical design of the required lengths of precast prestressed concrete piles.

Team Members:
J Porter, PE
M Hoffmann, PE
B Powell, PE
J Sommers, PE

Relevancy:
Bridge Replacement
Construction Phasing
Geotechnical Design





Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**I-10 ITS Scott to Lake Charles**	Firm Responsibility (Prime Or Sub?)	Sub
Project Number	H.013256.5	Owner's Name	LADOTD
Project Location	I-10 (District 07)	Owner's Project Manager	Roy Esteven, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@LA.gov		
Services Commenced By This Firm (MM/YY)	01/21	Total consultant contract cost ($1,000's)	Unknown
Services Completed By This Firm (MM/YY)	03/21	Cost of consultant services provided by this firm ($1,000's)	$20

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

Firm's Role / Project Description: Vectura performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10.

The plan included the following activities:

- safety strategy that included a CAT Scan
- LOS determination utilizing Citrix data,
- safety strategy that included a CAT Scan,
- LOS determination utilizing Citrix data,
- lane closure recommendations based on a queue analysis,
- cost estimate,
- and public information strategies

Team Members:
L Lambert, PE, PTOE. PTP
B Ferlito PE, PTOE
R Rodrigue, PE, PTOE, RSP1
K Farrington, PE, PTOE, RSP1

Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**Roundabout: US 171 at Boone St.**	Firm Responsibility (Prime Or Sub?)	Sub to Stanley
Project Number	H.011909.5	Owner's Name	DOTD
Project Location	Vernon Parish, LA	Owner's Project Manager	Josh Harrouch
Owner's Address, Phone, Email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV		
Services Commenced By This Firm (MM/YY)	04/17	Total consultant contract cost ($1,000's)	$641
Services Completed By This Firm (MM/YY)	12/20	Cost of consultant services provided by this firm ($1,000's)	$82

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

Firm's Role / Project Description: Vectura, as a subconsultant to Stanley Consultants, Inc., designed temporary traffic signal plans as part of the sequence of construction plan for a roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. The purpose of the project was to replace the existing signalized intersection with a multilane roundabout at Boone Street.

Temporary Traffic Signal Design

Vectura performed following design tasks to develop temporary traffic signal plans

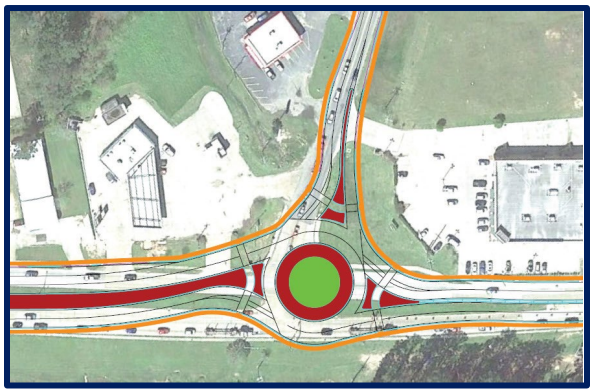
- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team

Team Members:

B Ferlito, PE, PTOE
R Rodrigue, PE, PTOE, RSP1
L Lambert, PE, PTOE. PTP
B Robicheaux, PE, PTOE



Firm Name	**Vectura Consulting Services, LLC**	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**LA 30 Roundabouts at Tanger I-10**	Firm Responsibility (Prime Or Sub?)	Sub to Stanley
Project Number	H.010960.5	Owner's Name	DOTD
Project Location	Ascension Parish, LA	Owner's Project Manager	Josh Harrouch
Owner's Address, Phone, Email	PO Box 94245 Baton Rouge, LA 70804-9245, (225) 242-4640, Joshua.Harrouch@LA.GOV		
Services Commenced By This Firm (MM/YY)	04/17	Total consultant contract cost ($1,000's)	$1,074
Services Completed By This Firm (MM/YY)	12/20	Cost of consultant services provided by this firm ($1,000's)	$153

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

Firm's Role / Project Description: Vectura, as a subconsultant to Stanley Consultants, Inc., designed temporary traffic signal plans that will be implemented during construction of the three roundabouts along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Vectura also provided Quality Control review of construction plans.

Temporary Traffic Signal Design

Vectura performed following design tasks to develop temporary traffic signal plans

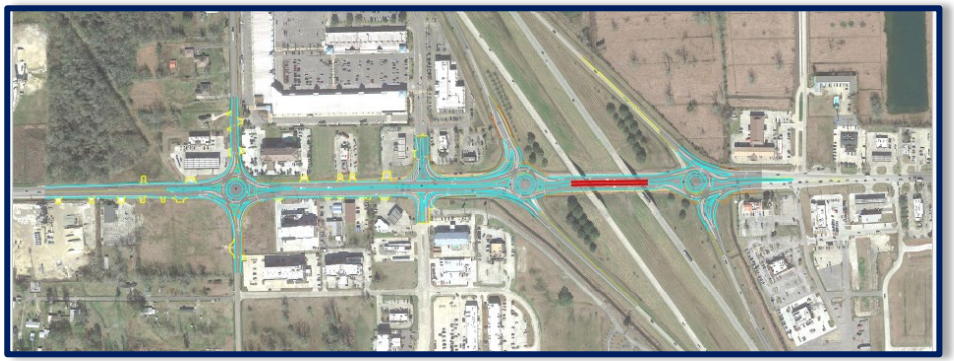
- Detailed study of sequence of construction plans to determine the optimal traffic signal operation and required traffic signal equipment for each sequence of construction phase
- Reviewed potential access issues for all the impacted driveways / streets along the project area for each sequence of construction phase
- Developed multiple traffic signal timing plans by time of day for each sequence of construction phase to maintain progression along main corridor
- Developed temporary signal plans including pole and span wire layout, signs, striping, power source, signal timings by time of day, vehicle detection, signal head placement, wiring diagram, pole height calculations, clearance calculations, quantities, construction cost estimate
- Coordinated with DOTD Traffic Section and District Traffic Engineer

Quality Control Review

Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.

Team Members:

B Ferlito, PE, PTOE
R Rodrigue, PE
B Robicheaux PE, PTOE
L Lambert, PE, PTOE



Section 18

LA 44: Pelican Point Roundabout and Widen Issues Map

18. Approach and Methodology

INTRODUCTION

The areas to the south and west of Gonzales in Ascension Parish have been experiencing explosive residential and commercial development over the last 25 years. LA 44 and LA 30 are the two main corridors providing access to I-10 from growing portions of Gonzales.

There has been significant development in the area since the late 90s. The development has included the Pelican Point subdivision, Pelican Crossing subdivision, Conway Plantation subdivision, the Oak Lake subdivision, the additional construction along Loosemore, as well as commercial developments along LA 44 and LA 30 (Tanger Outlet, Cabela's, and Lamar Dixon). There are also plans for the Heritage Crossing development at LA 30, as well as a Love's Truck Stop near I-10. All of these developments have furthered the traffic growth in the area that is being addressed with these projects along LA 44.

DOTD has long since recognized the need for improved roadway infrastructure along these two corridors to support this burgeoning area. Stanley Consultants has been working with DOTD to address the growing needs of the area through the LA 30 corridor by designing the **LA 30: I-10 Roundabouts** project, which includes roundabouts at the LA 30 / I-10 interchange and S. St. Landry. This project serving the area of Tanger Outlet mall and Cabela's is about to go to construction with an anticipated groundbreaking in February 2024.

Based on multiple site visits, the subject advertisement, and discussions with the DOTD Project Manager, the Stanley Consultants Team has a clear vision of project requirements. This 24-102 will illustrate that our team best exhibits a combination of firm experience designing **numerous roundabout design phase and plan development projects for DOTD**, staff members with similar project experience (LA 1088 Roundabout at Forest Brook, US 171 Roundabout at Boone St., etc.), appropriate firm size, excellent past performance narratives from DOTD (see the LA 30 project resume for narrative excerpt), and an understanding of the approach and methodology required to ensure smooth project development and progression.

It will be critical that the firm and its staff members selected for this project have significant experience with detailed design phase and plan development for DOTD roundabout projects. DOTD design expertise goes beyond planning and analysis, focusing on practical considerations such as working with DOTD geometrics to provide a safe geometric layout, experience with designing a sequence of construction, and the ability to put together a constructable set of roundabout plans. Stanley Consultants offers a team that has significant multi-lane roundabout design and roadway widening experience for DOTD. You will see that these projects representing our firm experience were all performed by current Stanley Consultants staff members who will be working on this LA 44: Pelican Point Roundabout and Widening project if selected.

- ✓ US 171 Roundabout at Boone St (1 Multilane Spiral RAB)
- ✓ LA 1088 Roundabout at Forest Brook (1 Multilane RAB)
- ✓ LA 30: I-10 Roundabouts (3 Multilane Spiral RABs)
- ✓ LA 447 Corridor – Roundabouts (1 Multilane RAB & 1 Part)*
- ✓ LA 724 Roundabout at Landry Rd (Single Lane RAB)

As a subconsultant, Stanley Consultants is solely responsible for all facets of the roundabouts designed on the LA 447 project.

TEAMWORK

After closely planning out our firm's upcoming workload, we have decided to assign Jesse Tisdale, PE to the Project Manager role for this project. In reviewing Jesse's current workload, it has been determined that he has the availability to serve in this function while not adversely affecting previous project commitments. Jesse's current workload consists of serving as a point of contact and high-level project manager on the LA 1088 Roundabout and LA 724 Roundabout projects. I-20 is well into Final Plans and will likely be at the 95% Final design phase prior to execution of this subject contract should the Stanley Consultants team be selected. His other main commitment is as Project Manager for the I-69 Frontage Roads project, which is currently in the scoping and negotiation phase. The I-69 Frontage Roads project will require 12-18 months of survey work before beginning the design phase. This will provide a gap in time, allowing Jesse to be able to lead the LA 44: Pelican Point Roundabout and Widening project well into the late stages of plan delivery before design activities begin on I-69 Frontage Roads in earnest. Jesse will rely on his experience as PM and Roadway Design Lead on the LA 30 Roundabouts and US 171 Roundabout at Boone St project, in addition to numerous other roundabout design projects, to ensure overall scope, geometric design, schedule, and budget compliance throughout the duration of this contract.

Stanley Consultants has been successful in building our local office's bench strength of professional engineers and experienced EIs in recent years, allowing us to transfer knowledge from our senior level engineers to our younger engineers and engineer interns. We also have additional senior level construction experience in Rob Pratt, Blake Roussel, and Ed Wedge to provide maintenance of traffic suggestions, constructability reviews, and overall client service.

Stanley Consultants is excited to have the support of HNTB for bridge design services and Vectura for traffic engineering services. Both firms are highly regarded in these respective disciplines and have strong DOTD firm and staff resumes.

PROJECT UNDERSTANDING

Based on previously performed traffic analyses, the signalized intersection at Pelican Point Parkway is currently performing poorly in terms of queuing and delay. This condition is exacerbated under a no-build condition at this project's design year. The most significant delays are occurring in the LA 44 SB direction.

The existing LA 44 is a two-lane roadway through this project area, with SB right turn lanes into Pelican Point subdivision and the shopping center, and a SB left turn lane into the northernmost entrance to Pelican Crossing Dr. The main source of SB traffic delays at the Pelican Point signalized intersection appears to stem from further south of the project area. There is not a SB left-turn lane at the southernmost entrance to Pelican Crossing Subdivision at Toledo Ave. This left-turn movement causes SB queuing through the entirety of this project area and through the signal at Pelican Point.

The NB direction has a left turn lane into the Pelican Point subdivision and a right turn lane at Pelican Crossing Dr. There is no NB left turn lane into the shopping center. The main source of NB delays come from left-turn movements from the single NB travel lane into the shopping center.

DOTD has proposed this project to reconstruct the LA 44 and Pelican Point intersection, replacing the existing signalized intersection with a multilane roundabout. This project will also widen LA 44 through the project area from a two-lane roadway to a four-lane divided roadway with median. It is part of the overall LA 44 Corridor improvements program north of LA 22.

Upon full buildout of the LA 44 corridor including new roundabouts at several other LA 44 intersections north of LA 22, the traffic delays currently being seen through this project area will be significantly reduced and safety enhanced.

CRITICAL ISSUES

Pelican Point Pkwy Roundabout Design Issues

Location of Residential Driveway Within the Roundabout - A residential driveway exists directly within the LA 44 and Pelican Point Pkwy intersection roundabout limits at CSLM 2.114. See Figure 1. As per the DOTD Roadway Design Manual, Section 6.7.1(6), "Driveways will not be allowed within the limits of the turnout radii at an intersection. The driveway should be located as far away from the intersection as practical, and desirably outside the limits of turning lanes and other auxiliary lanes." The property will either need to be acquired as part of the project's ROW acquisition process or an exception given establishing a residential driveway connecting to the roundabout.

Proximity to Pelican Crossing Drive - The proximity of the Pelican Crossing Drive subdivision entrance to the Pelican Point Pkwy roundabout may cause some operational slow-downs as people exiting the roundabout slow down to allow for traffic turning right out of Pelican Crossing. **With no left turns allowed out from Pelican Crossing due to the roundabout median, vehicles wanting to go south from Pelican Crossing Dr. will be required to travel approx. 3500 LF to the north to make a circulatory movement through the proposed roundabout at Loosemore Road (LA 941) being constructed by ongoing S.P. No. H.010909. A possible solution will be to add a bulbout before the Panama Canal bridge.**

Proximity of Retention Ponds - Retention ponds currently exist at the northwest and southwest quadrants of the LA 44 and Pelican Point Pkwy roundabout. These ponds are bordered by a decorative fence that serves as a visual enhancement to the subdivision entrance. The roundabout construction will likely require mitigation to the ponds.

Retention ponds also exist at the Northeast and Southeast quadrants of the LA 44 and Pelican Crossing Drive intersection. It is possible that required geometry changes at this intersection could require mitigation to the ponds as well.

Requirement for High Speed Roundabout Approaches - The LA 44 southbound (SB) posted speed entering the project area is proposed as 45 mph, according to the S.P. No. H.010909 title sheet. The current posted speed through the project area is 55 mph. A discussion should be had during project scoping as to what the posted speed will be for this project because it will affect whether high speed approaches to the roundabout will be required. As outlined in the 2023 NCHRP Report 1043, a posted speed of 55 mph will require that high speed approaches be designed leading into a roundabout. The high speed approaches require a series of three curves upstream of the roundabout with successively smaller radii separated by tangents to adequately slow traffic prior to entering the roundabout.

Pedestrian Accommodations - S.P. No. H.010909 obtained a design exception for Complete Streets, therefore it is anticipated that this could potentially be the case for the LA 44: Pelican Point Roundabout and Widening project. Even if this is the case, pedestrian cut throughs may still be required through roundabout splitter islands.

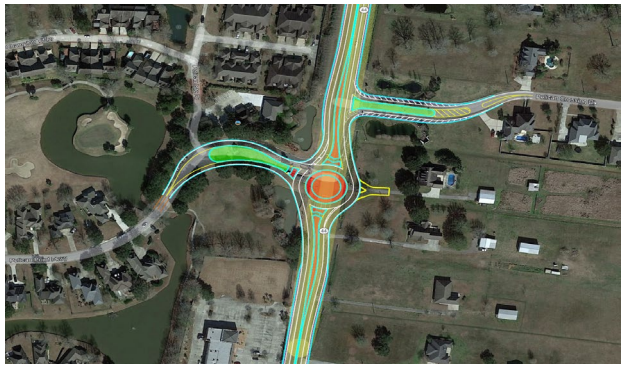


Figure 1 - LA 44 and Pelican Point Roundabout Potential Layout

Roadway Widening

Utilities - We have spoken to the District Utility Coordinator about this project. He had a list of pipeline companies that he can provide for utility coordination purposes.

The main run of overhead power distribution lines are located along the LA 44 SB travel lanes. The lines cross LA 44 and connect to poles that serve as the service points for the residences located along the LA 44 NB travel lanes. The roadway widening should be designed to minimize impacts to these utility poles where possible. This is one reason that an asymmetrical widening could be the right solution for this project.

Based on the GIS national pipeline mapping system, it is believed that there are pipelines running parallel to LA 44 along both the NB and SB Travel Lanes. The exact location and depth of these pipelines will factor into the location and cross-section of the roadway widening. Close coordination will be required with all owners.

A City of Gonzales 24" sewer force main runs along the LA 44 SB travel lanes. It will need to be avoided. Locations of water lines and fiber lines might also need to be considered during design.

As per the listed scope of work, a utility matrix will be maintained for this project and utilized at the plan in hand meeting to provide suggested resolutions to utility conflicts that have been identified. The utility matrix will be imperative for this project.

Proximity of Shopping Center to LA 44 SB Travel Lanes - There is an existing shopping center located along LA 44 SB. A symmetric widening about the current LA 44 centerline would likely require an encroachment into this parking lot. This is another reason that an asymmetrical widening could be the right solution for this project.

Right-Of-Way (ROW) - ROW acquisition will be required for this project. The ad states that DOTD will prepare right-of-way maps, and Stanley is prepared to assist in any way possible to expedite the process. While any widening for this project will likely result in ROW impacts, asymmetrical widening would limit the total number of parcels impacted to approx. 13.

Coordination With Adjacent Project H.010909 - The Stanley Consultants team recognizes that there is an ongoing project northerly adjacent to the subject advertisement. The H.010909 LA 44: Widening and Roundabout at LA 941 project is currently under contract for construction. We have reviewed the construction plans for H.010909 and are prepared to coordinate our design accordingly. We have, in the past, successfully coordinated design projects with adjacent ongoing construction.

Due to the final cross section of the Panama Canal bridge being modified in this LA 44: Pelican Point Roundabout and Widening project, it may be necessary to reconfigure a portion of the roadway being reconstructed in H.010909 north of the bridge to transition back to the new bridge section. This should be discussed at the kickoff meeting so it can be handled appropriately.

BRIDGE DESIGN

With **over 60 years of experience partnering with LADOTD**, HNTB uses a variety of experience and skillsets to produce the best, safest, and most cost-effective solutions tailored to LADOTD's satisfaction. The HNTB bridge team is led by **Josh Porter, PE,** who has served as project manager on several bridge preservation retainer contracts with DOTD. Josh brings extensive knowledge in managing bridge replacement, bridge widening, bridge load rating, and bridge field inspections to the satisfaction of DOTD. The following workflow will be utilized to deliver the contract requirements pertaining to bridge design services.

EVALUATE EXISTING CONDITIONS (TASKS 1-3)

Utilizing Chapter 6 of the Louisiana Bridge Design and Evaluation Manual (BDEM) as a guide, HNTB will collect and evaluate all existing material, perform an exhaustive in-depth field inspection, and execute load rating analyses to evaluate the overall health and serviceability of the existing LA 44 over Panama Canal bridge. Results from reviewing plans and from the field inspection will be incorporated into the load rating analysis.

Panama Canal Bridge Existing Geometry (Recall No. 610246)

Length: 100 feet	Superstructure Type: 20-foot Slab Spans
Year Built: 2008	Substructure Type: Reinforced Concrete Pile Bents
ADT: 14,800 vehicles per day	Number of Lanes: Two-Lane Two-Way Bridge

Shortly after NTP, HNTB will schedule a site-visit investigation with minimal impact to daily traffic. It is not anticipated that lane closures will be necessary, but should lane closures be needed, HNTB will coordinate with the respective district to ensure closures are off peak hours and the closure area be kept to a minimum. The inspection of these bridges will focus on identifying key areas of deterioration that would not only affect the load rating analysis but would also drive the decision for either widening or replacement of these bridges. The HNTB team is experienced at identifying which findings can be easily rehabilitated (such as joint failures and minor spalling) and which factors drive replacement (such as inadequate reinforcement causing wide, deep cracks and loss of bearing area). Once the field investigation is completed, HNTB will finalize the load rating analysis and generate a load rating report to be submitted to DOTD.

Applicable Evaluation Guidelines
- AASHTO Manual for Bridge Evaluation
- LADOTD Bridge Design & Evaluation Manual
- National Bridge Inspection Standards
- FHWA Bridge Inspector's Reference Manual

Applicable Previous Projects
- Pierre Part Bay Condition Assessment
- I-10 Lake Charles Corridor Load Ratings

PROJECT HIGHLIGHT

HNTB reviewed existing material in a recent I-12 over Hog Branch widening task order and discovered that existing pile depths did not meet minimum requirements for scour. In its existing material review, HNTB also discovered that the bridge had been subject to scour. HNTB realized that if the bridge continued to scour, this would cause severe safety concerns for the traveling public. The discovery eventually led to pursuing replacement instead of widening.

PREPARE BRIDGE EVALUATION REPORT (TASK 4)

The results from the existing plan review, field inspection, and load rating analysis will paint an overall picture of not only the existing condition of the bridge, but also an estimate of its remaining service life. HNTB will carefully consider all these factors and provide a bridge evaluation report outlining its findings and providing a clear and concise recommendation for either bridge widening or bridge replacement with an associated cost comparison.

The evaluation report will provide concrete and practical justifications for either a widening or replacement recommendation based on a rating factor for HL-93 Inventory of above or below 0.90 and summarize key deficiencies found during the site investigation. The HNTB team will find the solution resulting in the best product for DOTD in both serviceability and economically. If widening and rehabilitation is the clear path forward. HNTB will also include an associated scope of work that will include any necessary rehabilitation work that can be performed during widening construction.

BRIDGE DESIGN AND PLAN DEVELOPMENT (TASKS 5-10)

After providing and discussing the results of the evaluation report with DOTD, HNTB will produce both preliminary and final engineering drawings that reflect either replacing or widening the existing structures. HNTB will work closely with the roadway team to incorporate any new geometry resulting from the LA 44 roadway widening. Construction phasing will be a key component, and HNTB will maintain proper communication with the Stanley Consultants roadway design engineers to ensure the best phasing plan is incorporated. HNTB will use Appendix K – Consultant Submittal Checklist to submit both preliminary and final bridge plans. 60%, 90%, and 100% preliminary plans will be submitted to LADOTD followed by 60%, 95%, and 100% final plans.

TRAFFIC ENGINEERING

Per the advertisement, traffic engineering services will be authorized under a supplemental agreement once required information has been obtained during design. The listed traffic scope of work includes the creation of a TMP according to EDSM VI.1.1.8. Vectura will coordinate with DOTD to obtain traffic volume and safety data for traffic study to perform safety analysis and alternative route analysis. If historic data is not available, they will follow the Traffic Study Scope of Services as outlined on the DOTD Traffic Engineering website. Staff from Vectura have worked closely with the staff of DOTD through the development and implementation of the TEPR process. They will utilize this experience to navigate the TEPR process to arrive upon the optimum detour route. Along with specifying the correct TTC Details, Vectura will coordinate with the bridge / road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the travel public.

Temporary traffic signal designs will likely be required during construction for this project, but were not mentioned in the project advertisement. Vectura successfully created the TMP and performed the temporary signal designs for Stanley Consultants on the US 171 Roundabout project and is prepared to utilize that experience to the benefit of this project.

PROJECT DELIVERY APPROACH AND METHODOLOGY

PROJECT MANAGEMENT

Stanley Consultants created its project management process to align with the Project Management Book of Knowledge (PMBOK). Our Principal-In-Charge, Blake Roussel, PE, PMP,

has achieved his Project Management Professional (PMP) certification based on PMBOK processes.

Project Scoping

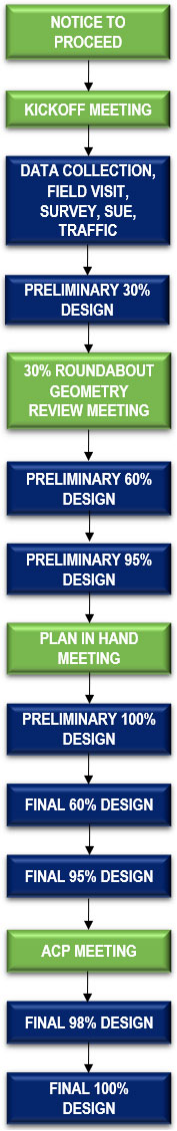
Effective communication is paramount during the scoping phase to gain a comprehensive understanding of DOTD's needs and goals for this contract.

Our dedicated Team is fully prepared to actively engage and provide valuable assistance during the scoping phase. Our proactive approach minimizes risks and facilitates effective budget and schedule management throughout the project lifecycle.

Our Project Manager, Jesse Tisdale, will develop our Project Management Plan (PMP) for the overall contract. Our PMP includes a detailed scope of work for the contract, a detailed schedule, including the number of anticipated milestone submittals, plan review meetings, project coordination meetings, design criteria, a quality control plan, the project risk register, a stakeholder management plan, identification of any special coordination or utility needs, (i.e. duct banks, distribution lines, etc.), a risk register, and a change control log.

Roadway Design And Plan Development

We have extensive experience using DOTD's Road Design Manual for construction plan development and project delivery, and we have a strong understanding of the standard DOTD Plan Delivery process and milestone schedule.



We have recently been able to streamline our 30% geometric reviews for our roundabout projects by holding roundabout geometry reviews with the DOTD Geometrics section employees at the 30% plan submittal process. This open communication has allowed us to collaborate in a manner that brings more efficiency than the typical submittal review and markup process.

If design guidance is needed that is not available via DOTD documentation for a particular issue, we depend on our knowledge of the AASHTO "Green Book" for geometrics, the AASHTO Roadside Design Guide for roadside safety issues, the NCHRP Report 1043 "Guide for Roundabouts", and the MUTCD for Signing and striping as needed.

We are proficient in using DOTD's current preferred software, including InRoads SelectSeries II, CADConform, and HYDRWin. With the knowledge that Bentley is sunsetting InRoads SelectSeries II, we are ahead of the curve with our transition to Bentley's OpenRoads platform. Our staff has delivered numerous projects for other entities using this software and are fully equipped to facilitate a seamless transition to OpenRoads Designer.

QUALITY CONTROL (QC)

QC is a continual effort. A Bridge Design QA/QC Plan prepared by our Team is attached here in Section 21. Our overall QA/QC activities will be managed by Jesse Tisdale.

THE STANLEY CONSULTANTS DIFFERENCE

The Stanley Consultants Team is the right team for this contract.

Similar Experience

Our Team's firm and staff experience includes numerous DOTD specific projects for which Stanley Consultants performed roundabout designs. One of these projects is the US 171 Roundabout at Boone St., which mimics the roadway design scope of work for this project, including one roundabout along with roadway widening. We believe DOTD will be best served on this project by a firm with recent experience working with the DOTD Geometrics section to ensure compliance to recent DOTD and FHWA policies and preferences as well as the most up to date geometric guidance from the new NCHRP Roundabout Report.

Effective Strategies For Enhancing Project Delivery

At Stanley Consultants, we firmly believe in going above and beyond compliance with minimum DOTD project delivery requirements. If awarded this contract, we pledge to undertake specific actions that will propel our DOTD PMs to new heights of success.

Unlike the standard practice of providing project invoices alone, we are **committed to delivering weekly project status reports.** By increasing the frequency of reporting, we aim to provide our DOTD PMs with timely and relevant information that will accelerate the resolution of project challenges.

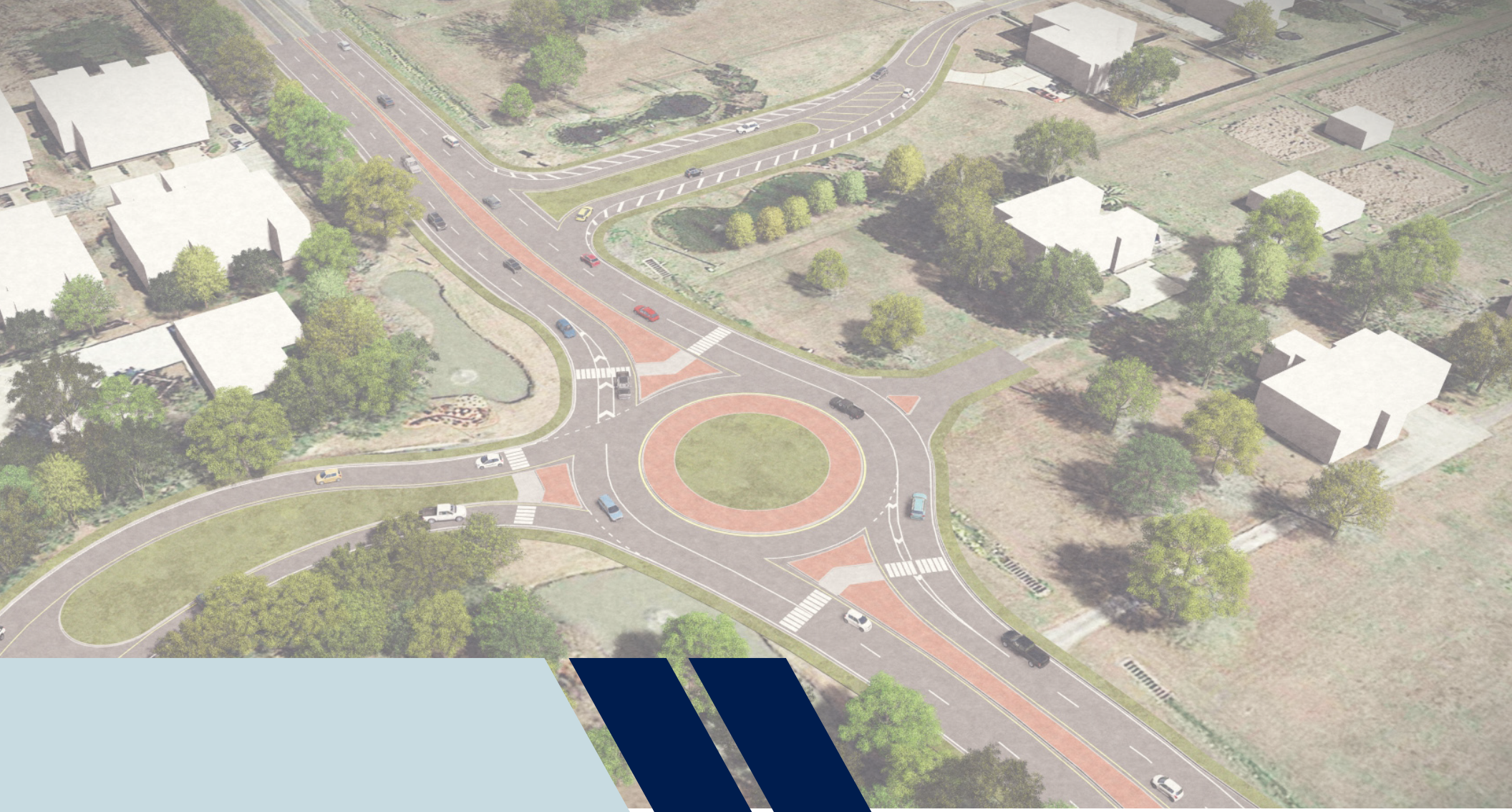
We also commit to maintaining a project risk register and change log. The risk register will help our Team identify and track challenges that have the potential to impact the project, including scope, schedule, or budget. The change log documents change directives and decisions throughout the life of the project so this information can be found quickly at any point.

SCHEDULE

We have carefully developed a project schedule to represent our thoughts on achievable milestones.

LA 44: Pelican Point Road Design Project Schedule Example

MONTH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Field Work, Data Collection, and Project Plan Development																									
Scoping and Project Delivery Plan Development	■																								
Kickoff Meeting		■																							
Field Visit & Data Collection		■	■																						
Topographic Survey Review		■	■																						
Preliminary Plan Development																									
30% Submittal W/ geometrics			■	■																					
Geometric Review Meeting (this saves substantial time)				■																					
60% Preliminary Plan Development					■	■	■																		
95% Preliminary Plan Development								■	■	■															
Plan in Hand Meeting										■															
100% Preliminary Plan Development											■	■													
Final Plan Development																									
Begin R/W Maps													■	■	■										
60% Final Plan Development													■	■	■										
Joint Plan Review Meeting (if necessary)															■	■									
95% Final Plan Development															■	■	■								
Advanced Check Print (ACP) Meeting																		■							
98% Final Plan Development																			■	■					
100% Final Plan Development																					■	■			
Construction Phase																									
Letting																								■	
Construction Support (If Desired)																									■



Sections 19-23

LA 44: Pelican Point Roundabout
Potential Design Visualization

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Stanley Consultants, Inc.	Road	44-8112; H.01137 & H.013866	I-12 Widening Construction Support	$58,408
Stanley Consultants, Inc.	Bridge	44-8112; H.01137 & H.013866	I-12 Widening Construction Support	$17,144
Stanley Consultants, Inc.	Road	44-17686; H.014886	US 90: Tulane Ave to Danzinger Bridge	$91,459
Stanley Consultants, Inc.	Road	44-23943; H.013941	LA 724: Roundabout at Landry Rd	$294,929
Stanley Consultants, Inc.	Road	44-24641; H.005734	LA 447 Corridor: I-12 to Joe May Rd	$158,460
Stanley Consultants, Inc.	Road	44-24307; H.015052	I-20 Widening/Ovrly (Vancil Rd-LA 34)	$1,276,682
Stanley Consultants, Inc.	Road	44-23943; H.010960.6	LA 30 Roundabouts @ Tanger Mall & I-10 Construction Support	$65,230
Stanley Consultants, Inc.	Road	44-23943; H.012633.5	LA 1088 Forest Brook Blvd Roundabout	$438,665
HNTB Corporation	Environmental	H.003931	I-10 Calcasieu NEPA Restart (Lake Charles, LA)	$205,033
HNTB Corporation	Bridge	44-17329; H.003931.5	Calcasieu River Bridge (Sampson St)	$5,718
HNTB Corporation	Other (Railroad)	44-17329; H.015223.1	BR No Pass Rail Study	$81,195
HNTB Corporation	Other (Railroad)	44-17329; H.003931	Calcasieu River Bridge (RR)	$983,489
HNTB Corporation	Bridge	44-17264; H.001166.6	Caddo Lake CRES	$76,035
HNTB Corporation	Bridge	44-17264; H.002337.5	LA 327-5 Bayou Fountain	$2,913
HNTB Corporation	Bridge	44-17264; H.010251.5	Chippewa Street Pump Station	$206,487
HNTB Corporation	Bridge	44-17264; H.012842.5	LA124 Ext	$111,572
HNTB Corporation	Bridge	44-17264; H.014591.5	I-12: U.S. 61 Bridges Girder Repairs	$12,703
HNTB Corporation	Bridge	44-24189; H.010319	Statewide Bridge Preservation: Task Order 1 – I-110 North St to Plank Rd	$30,983
HNTB Corporation	Bridge	44-24189; H.12899.6	Statewide Bridge Preservation: Task Order 2 – H.12899.6 I-20 Rehab CRES	$127,817

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
HNTB Corporation	Other (Weigh Stations)	44-23812; H.015377.1	Statewide Weigh Station Assessment, Rehab and Plan Development: TO2	$3,098,160
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 2: PIBC Integration	$100,944
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 3: LA1 Facility Implementation	$94,528
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 4: Marketing	$77,318
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 6: Toll Services	$2,441,695
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 7: I-10 Atch. Basin SEA	$106,617
HNTB Corporation	Other (Tolling)	44-23640	Task Order No. 8: FY2024 Annual Trust Indenture Inspection	$60,109
HNTB Corporation	Planning	44-21094	Statewide Transportation Plan	$1,401,061
HNTB Corporation	Bridge	44-25029	IIJA Off-System Bridge Program	$1,314,202
HNTB Corporation	Bridge	44-23512	Statewide Complex Bridge Inspection: TO2, Yeloskey Life Bridge Inspection	$17,760
HNTB Corporation	Bridge	44-23512	Statewide Complex Bridge Inspection: TO3, BIM Updates and Load Rating	$258,322
HNTB Corporation	Bridge	44-23512	Statewide Complex Bridge Inspection: TO4, I-10 Calcasieu Bridge Inspection 23-24	$518,071
HNTB Corporation	CE&I/OV	44-4900; H.008145.6	LA 1 Phase 2	$5,747,846
HNTB Corporation	Other (Railroad)	44-26365; H.015223	BR to NO Passenger Rail Corridor Environmental Study	$331,520
HNTB Corporation	Bridge	44-21594; H.009859.5	Complex Bridge Rating	$556,852
HNTB Corporation	CE&I/OV	44-23074; H.010960	LA 30 Roundabout @ Tanger Mall	$345,354
HNTB Corporation	CE&I/OV	44-17006; H.001670.6	I-10/Loyola Interchange Improvements	$203,292
Vectura Consulting Services, LLC	Traffic	44-17293; H.010616	I-20: LA 544 Overpass Replacement	$74,429
Vectura Consulting Services, LLC	Traffic	44-05484; H.005168.2	New Orleans Rail Gateway Avondale EA	$92,995

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Vectura Consulting Services, LLC	CE&I/OV	44-20018; H.007160	EBR Computerized Traffic Signal, Ph VB	$33,910
Vectura Consulting Services, LLC	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
Vectura Consulting Services, LLC	Traffic	44-21519; H.012030.5	KCS RR Overpasses HBI	$572
Vectura Consulting Services, LLC	Traffic	44-23075; H.013522	S. Lewis Street Widening	$7,499
Vectura Consulting Services, LLC	ITS	44-16364; H.015136.4	Northshore Regional ITS Architecture Update	$11,421
Vectura Consulting Services, LLC	ITS	44-17922; H.012845.1	C/AV Team and Working Group Support	$13,949
Vectura Consulting Services, LLC	ITS	44-20058; H.011507.1	Monroe Phase 3 SEA	$29,217
Vectura Consulting Services, LLC	Traffic	44-18271; H.014746.5	LA 383 Stage 0 Corridor Study	$22,388
Vectura Consulting Services, LLC	Traffic	44-18271; H.011242.1	LA 384 (Big Lake Rd to McNeese St)	$31,827

20. Certifications/Licenses
STANLEY CONSULTANTS, INC.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Adam Fields
has attended
Traffic Control Technician-LA State Specific
Training Course

6/29/2021 to 6/29/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Adam Fields
has attended
Traffic Control Supervisor-LA State Specific
Training Course

7/1/2021 to 7/2/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Completion

presented to

Jesse Tisdale

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jesse Tisdale

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jesse Tisdale

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jesse Tisdale
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/7/2023 to 4/7/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

Jared Blohowiak

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 4/2/2023 — ATSSA *Instructor Name*

Exp. Date 4/1/2027 — *Instructor Signature*

State Issued LA

A1000124539 — Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jared Blohowiak

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/10/2023 to 2/10/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kayla Lafitteau
has attended
Traffic Control Technician-LA State Specific
Training Course

8/4/2020 to 8/4/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kayla Lafitteau
has attended
Traffic Control Supervisor-LA State Specific
Training Course

8/5/2020 to 8/6/2020
Date

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Training

this certifies that

Kayla Lafitteau

has successfully completed the training program requirements for

ATSSA Online Flagger Certification Training

Awarded on this **28th** *day of* **August 2020**

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Travis Barr
has attended
Traffic Control Technician-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Travis Barr
has attended
Traffic Control Supervisor-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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ATSSA TRAINED

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THIS CERTIFICATE HEREBY RECOGNIZES THAT

Aidan Carter
has attended
Louisiana Traffic Control Technician
Training Course

11/7/2023 to 11/7/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

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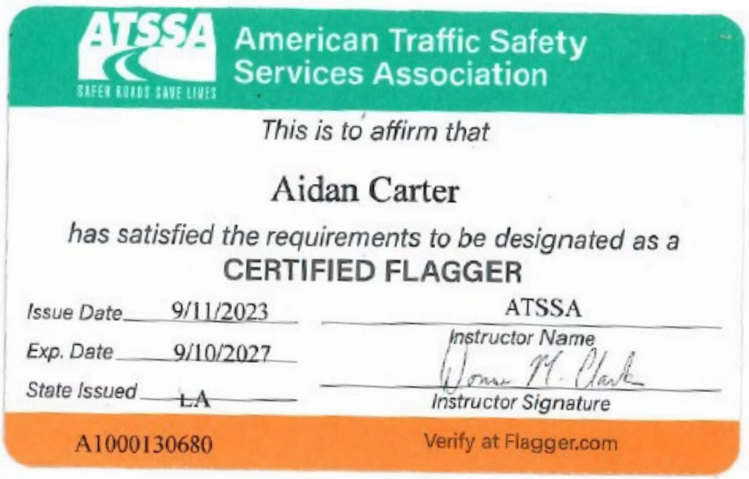

HNTB CORPORATION


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

Mr. Jared Michael Sommers

License/Certificate Type - Number: PE.0040978
Expiration Date: 03/31/2025
Status: Active


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

Mr. Patrick Gabriel Duffy

License/Certificate Type - Number: PE.0045363
Expiration Date: 09/30/2025
Status: Active


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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Benjamin Alan Goodner

License/Certificate Type - Number: PE.0038208
Expiration Date: 03/31/2024
Status: Active


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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Marc Alexander Hoffmann

License/Certificate Type - Number: PE.0044342
Expiration Date: 09/30/2024
Status: Active


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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Joshua Manning Porter

License/Certificate Type - Number: PE.0039513
Expiration Date: 09/30/2025
Status: Active


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9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Patrick J. Roth

License/Certificate Type - Number: PE.0041553
Expiration Date: 09/30/2025
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. Brian L. Powell

License/Certificate Type - Number: PE.0041551
Expiration Date: 09/30/2025
Status: Active

VECTURA CONSULTING SERVICES, LLC

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Vectura Consulting Services, LLC

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

NC488490, NC541330, NC541340

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

Certificate Eligibility: June 2023 to June 2024

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Reece Rodrigue
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/10/2023 to 3/10/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bridget Robicheaux

has attended

Traffic Control Supervisor-LA State Specific

Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA American Traffic Safety Services Association

This is to affirm that

Sheelagh Ferlito

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 5/9/2023 — ATSSA (Instructor Name)
Exp. Date 5/8/2027
State Issued LA — Instructor Signature

A1000126216 — Verify at Flagger.com

ATSSA American Traffic Safety Services Association

This is to affirm that

Laurence Lambert

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 5/9/2023 — ATSSA (Instructor Name)
Exp. Date 5/8/2027
State Issued LA — Instructor Signature

A1000126196 — Verify at Flagger.com

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

Kristen Farrington

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 7/5/2025 — LA (State Issued)
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com

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ATSSA American Traffic Safety Services Association

This is to affirm that

Bridget Robicheaux

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER ATSSA

Issue Date 5/6/2022
Exp. Date 5/5/2026
State Issued LA — Instructor Signature

A1000568707 — Verify at Flagger.com

21. QA/QC Plan

22. 1.0 INTRODUCTION

1.1 PROJECT INTRODUCTION

This document was developed to provide quality control (QC)/quality assurance (QA) procedures for the LA 44: Pelican Point Roundabout and Widening project advertised by the LADOTD. The intent of this HNTB QMP is to supplement Part I, Chapter 3 of the LADOTD Bridge Design and Evaluation Manual.

1.2 QUALITY INTRODUCTION

The HNTB doctrine states – sustainability, profitable growth, best business practices and "4 for 4". HNTB's "4 for 4" is our performance standard for each and every project as stated below:

Quality is a key component of this doctrine and is expected in everything we do. HNTB has defined the standard of quality that is to be achieved in our Manual of Professional Practice (MPP) and has established general guidelines for achieving this goal and documenting the results.

The HNTB team is aware that QC and QA is our responsibility, not the responsibility of the LADOTD. We are committed to providing high-quality, accurate work on all deliverables associated with this contract.

The **Bridge QMP** establishes planned and systematic processes necessary to provide adequate confidence that this project will conform to the established quality requirements. It consists of two key components, QC and QA.

This QMP provides an understanding of basic quality processes set forth for the project and the procedures established for implementing those processes. The general procedures outlined herein are recommended for use on all tasks including the management of our subconsultant's work products. These procedures are intended to serve as guidelines and are not intended to be a replacement for sound professional judgment.

The following QMP was developed in accordance with HNTB Gulf Coast District QMP and Part I, Chapter 3 of the LADOTD Bridge Design Manual "Policy for quality control and quality assurance (QC/QA)".

1.3 DEFINITION OF TERMS AND POSITIONS

QC: Procedure for checking the accuracy and consistency of the calculations and the drawings, detection and correcting design omissions and errors before the design plans are finalized, and verifying the specification for the load-carrying members are adequate for the service and operation loads.

QA: Procedure for reviewing the work to ensure the QC procedures are in place and effective in preventing mistakes, and consistency in the development of the bridge design plans and specifications.

Designer: Engineer directly responsible for the development of design calculations, drawings, special provisions and cost estimates. Must be either a licensed professional engineer or engineer intern.

Checker: Engineer responsible for performing a full technical review of the design calculations, special provisions, drawings, and cost estimates. Must be either a licensed professional engineer or engineer intern, however, if the designer is an engineer intern the design checker must be a professional engineer.

Design Back-Checker: Typically, the designer. If designer is unavailable, the design back-checker must coordinate with the checker to ensure all noted changes are agreed to. Must be either a licensed professional engineer or engineer intern, however, if the checker is an engineer intern, the design back-checker must be a professional engineer.

Detail Back-Checker: Engineer responsible for performing a full review of the drawings. Must be either a licensed professional engineer or engineer intern, however, if the checker is an engineer intern, the detail back-checker must be a professional engineer.

Updater: Individual responsible for updating the design calculations or plans to reflect all agreed upon changes. (For design calculations, typically the designer; for plans, typically the detailer.)

Verifier: Individual (usually the checker) responsible for verifying that all changes or additions to a drawing, calculation, report or graphic element have been accurately incorporated.

Reviewer: Engineer responsible for ensuring that the QC process has been followed as outlined.

Detailer: Individual responsible for preparing drawings.

Supervisor or Team Leader: Project manager or task assignee responsible for overseeing the project and staff on the project.

Engineer of Record (EOR): The engineer responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions if required.
Quality Project Manager (QPM)/Quality Task Manager (QTM): Individual responsible for conducting audits and ensuring QC plans are adhered to. The QPM is responsible for the entire project and all aspects and the QTM are responsible for each discipline.
Independent Technical Reviewer: Engineer who completes an independent review of the drawings and/or calculations. Independent technical reviewer is part of the consultant team but is not part of the design team. Engineer must have experience reviewing tasks that meet or exceed those of the designer and or checker.
Peer Review: Independent engineering entity, with no prior involvement in the project, performs a check of the designs by producing an independent set of calculations based on the drawings or performs the review as specified in the scope of work. Peer reviewer may not be employed by the same consultant with whom the designer or design checker is employed. Peer reviews are typically performed between 60% to 98% final plans stage depending on the scope of the review. It is not within the scope of services for this project.
Audit: A systematic, independent and documented activity performed to verify that applicable elements of the QMP have been effectively implemented and documented in accordance with the specific requirements.
Constructability Review: A design review performed by the contractor or appropriate construction services personnel to assess the feasibility of the proposed design from a construction perspective.
Design Criteria: A set of project-specific parameters that define the design requirements, specifications and functional classifications of the project.
Inter-Discipline Review: A discipline specific design review of a design package by all applicable design disciplines.
Quality Records: A completed document or recordkeeping evidence of successful implementation of any given aspect of the QMP.

1.4 FILE MANAGEMENT

Projectwise will be used to manage electronic files between HNTB, Stanley Consultants, and LADOTD. CADD drawings will be created and modified on local servers. Once complete, all team members will upload PDF CADD files to Projectwise to initiate quality reviews. HNTB will upload final CADD and PDF files to ProjectWise.

1.5 CADD

All drawings will be developed in Microstation V8i and be CADD conformed to LADOTD standards.

1.6 RESPONSIBILITIES OF THE LADOTD BRIDGE TASK MANAGER

LADOTD bridge task manager will not be responsible for QC/QA of HNTB. The LADOTD bridge task manager will be responsible for items listed in Section 3.3.2 of Part I, Chapter 3 of the Bridge Design Manual. Some, but not all, items are listed below:
» Develop scope.
» Approve design criteria submitted by HNTB.
» Review and approve bridge type, size and location (TS&L) and ensure design criteria is updated as project progresses.
» Review consultant submittals. Selectively check dimension and details as a cursory review of the plans for constructability, consistency, and clarity but not as QC/QA of HNTB work.
» Monitor project schedule – HNTB is ultimately responsible for maintaining schedule or communicating concerns with LADOTD PM.
» Monitor budget – HNTB and Stanley Consultants are ultimately responsible for maintaining budget or communicating concerns with LADOTD PM.
HNTB will use the QC/QA manager whose skill set best matches the current assignment. This will ensure that all current industry standards, technology, and best practices are being used. HNTB will also assign a local office Quality Project Manager (QPM) to ensure the quality process is followed on all deliverables.

2.0 QUALITY CONTROL PROCESS

QC is defined as the procedures and processes established to meet the project requirements for quality as stated in the QMP and the accepted standard of care. It is our basic checking procedures for ensuring accuracy and completeness. The following are the standard checking formats for hard copy documents (such as hand calculations, program input files and plans) and electronic documents (such as word documents) that should be implemented for all QC processes:

Design Calculations and LADOTD Approved Design Programs

QC starts first with the designer. The designer is responsible for reviewing all calculations prior to being checked.

A copy of the original document is made for documentation of all review activities. For checking of design programs, a printout of the input and output should be provided to the checker, however, the checker is only responsible for checking the input and reviewing the output to verify the input.

Review of the document for correctness and completeness is performed by the **checker**.

• Changes are **marked in red**.
• Correct items are **highlighted in yellow**.
• Correct full paragraphs (or pages) are marked with a **yellow diagonal**.
• Input files are 100% checked. Controlling values of output files will be verified as an additional check.
• When the checker is complete, all text will be either **highlighted in yellow** or **marked in red**. By doing so, the QPM can easily verify if the entire document has been checked.

A back-check of all comments/proposed changes is performed by the design **back-checker** (usually the **originator**).

• Agreement is shown with a **green check mark** √.
• Disagreement is discussed with **checker** and noted with a **green STET** (no change required) upon concurrence with original value.

All agreed upon changes are made to the original document by the **updater**.

• Items are **circled in blue** to show that the change has been made.

All updates to the document are verified for completeness and correctness by the **verifier** (usually the **checker**).

• **Blue circles** are **highlighted in yellow** to show that updates were made.

Once complete, there should be two copies of the design calculations. One yellow highlighted copy with changes noted in red, agreement in green, blue circle to note the change is made and yellow over the blue indicating the change has been verified. The second copy is the corrected copy and should have the checker and back-checker initials. The corrected copy will be included as part of the design calculation book submitted to LADOTD. Both files shall be uploaded to the Team ProjectWise folder.

Electronic Documents (Word, PDFs, etc.) (Not Design Programs)

A review of the document for correctness and completeness is performed by the **checker**.

• Changes are shown in an inserted comment box or using track changes in a Word Document.
• Correct items are **highlighted with yellow**.
• Correct full paragraphs (or pages) are **highlighted in yellow**.
• Checker will save a version of the checked file once checking is complete.

A back-check of all comments/proposed changes is performed by the **back-checker** (usually the **originator**).

• Agreement is shown by typing “concur” and initialing in comment box or accepting changes (Word Document).
• Disagreement is discussed with **checker** and noted with a STET in comment box with initials of both parties or by rejecting changes (Word Document) upon concurrence with original value.
• Back-checker will save a version of the file once back-checking is complete.

All agreed upon changes are made to the original document by the **originator** (or **updater** if track changes was not used). A version will be saved once updating is complete.

All updates to the original document are verified for completeness and correctness by the **verifier** (usually the **checker**). The final, clean version will be saved once verification is complete. Associated files shall be uploaded to the Team ProjectWise folder.

Plans (All Submittals to LADOTD)

A set of plans is printed to PDF and each sheet stamped with a PDF checking print stamp (see Appendix).

Review of the plans for correctness and completeness is performed by the checker. The preference is this checking process occur within Bluebeam, but printing paper copies and hand marking is acceptable.

- Changes are **marked in red**.
- Correct items are **highlighted in yellow**.
- If **checker** has significant comments and changes, plans shall be updated accordingly and checking process restarted.
- **Checker** must be a professional engineer or engineer intern and cannot be the **designer** of the plans.

The **detail back-checker** (usually the **designer**) will perform a back-check of all comments/proposed changes. **Back-checker** is responsible for reviewing all items on the drawing including items marked by **checker**.

- Agreement is shown with a **green check mark** √.
- Disagreement is discussed with **checker** and noted with a **green STET** upon concurrence with original value.

All agreed upon changes are made to the original document by the **updater**.

- Items are **circled in blue** to show that the change has been made.

All updates to the document are verified for completeness and correctness by the **verifier** (usually the **checker**).

- **Blue circles** are **highlighted in yellow** to show that updates were made.

Once complete, there should be two copies of the plans. One yellow highlighted copy with changes noted in red, agreement in green, blue circle to note the change is made and yellow over the blue indicating the change has been verified. The second copy is the clean, corrected copy and will be the official deliverable document. Both files shall be uploaded to the Team ProjectWise folder.

A basic checking procedure is displayed below:

2.1 LEVELS OF REVIEW

There are two levels of review that are utilized within the QC process, as defined below. A given project task could receive a Level 1 or a Level 2 review, or both as deemed appropriate by the supervisor or team leader.

Level 1 - 100% checking of a produced document to include drawings, calculations, spreadsheets, special provisions, tables within reports, program input, graphic elements for reports or presentations, design programs, CADD modeling input.

Level 1 - 100% Document Check

- Check everything on a sheet.
- Use the appropriate standard checking format.
- Document checking procedures on an attached check print sign off sheet or by check print stamp (see Appendix for examples).
- Copy and upload original checked documents as color PDF files to the project QC directory, to await audit.

Level 1 - 100% Input Check

- Checking is only for input data.
- Use the appropriate standard checking format
- Verify that the software or spreadsheet used is appropriate.
- LADOTD pre-approved software does not require validation.
- Verify any previously prepared MathCad and Excel spreadsheets.
- Document checking procedures on an attached check print sign off sheet (see Appendix).
- Copy and upload original checked documents as color pdf files to the project "QC" directory, to await audit.

Level 2 - Peer or senior technical review of documents to include drawings, calculations, report text, CADD documents, shop drawings and RFIs, presentation materials and QA checklists; inter-disciplinary, constructability and independent technical reviews; review and oversight of subconsultant submittals.

- Check or validate only specific items as determined by the supervisor or team leader
- Use the appropriate standard checking format.
- Document checking procedures on an attached check print sign off sheet or by check print stamp (see Appendix for examples).
- Copy and upload original checked documents as color PDF files to the project QC directory, to await audit.

3.0 QUALITY ASSURANCE PROCESS

QA is defined as the systematic activities implemented to provide confidence that the QC processes are followed in compliance with the QMP. These are our audit processes for verifying that the appropriate checking procedures have been performed and documented, and our corrective action plans for addressing problems have been identified within the processes. The keys to an effective quality program lie in the accountability, compliance and continual improvement of the program.

Once the QC processes have been performed, a QA process must be implemented to confirm that the QC procedures were performed to the expectations documented in the QMP. The following procedures should be part of the assurance/validation process.

3.1 Audits

Each consultant shall be responsible for uploading their quality checked files onto ProjectWise for QA and notifying the QPM. The QPM will audit the QC records prior to each submission to confirm that all QC procedures have been performed for each task of the deliverable and record the findings on associated form (see Appendix). Upon approval of the quality documents, the QPM will move each approved document into the project quality records folder and will inform the supervisor or team leader that the submittal is ready for release to the client. The office leader will also receive a hard copy of that verification.

Additionally, the HNTB office quality manager may choose this project for review at an executive level. An audit may be performed similar to the routine project audit, but will also include interviews with staff to determine if the quality management process is clearly understood and is being performed unbiased and independent of the design or production process.

The purpose of the audit is two-fold:

- Identify and correct a breakdown in quality or any instance of noncompliance to established HNTB best practice procedures through a defined corrective action plan.
- Identify opportunities for implementation of preventive action, training and continual improvement processes to enhance quality, efficiency and value to our projects and clients.

All audit findings should be documented as a part of the quality records.

3.2 Corrective Action and Preventive Action Plans

A corrective action plan (CAP) is a strategy for correcting or eliminating a problem impacting project quality or performance that has already occurred or been identified. The focus of the plan is to systematically review the root cause of the problem in an attempt to prevent the problem from recurring. The primary concepts of the plan are as follows:

- Task leads identify the problem and present to PM or QPM
- Determine the cause of the problem or unintended result
- Identify action items or plan to correct to the problem

Preventive actions are implemented in response to the identification of a trend that would potentially impact quality and lead to a project issue or problem. Preventive action is considered as a proactive undertaking. For example, if we anticipate a potential problem and take action to eliminate the causes and prevent the occurrence of that problem, this is considered to be preventive action.

If a problem or breakdown in quality is discovered during an audit, the PM will be notified immediately. The PM and QPM will perform a root cause analysis to determine the extent of the problem and develop a CAP for implementation. A follow-up meeting will be conducted with all responsible individuals to convey the CAP expectations. If a resolution cannot be reached, the office leader will become involved in the process.

4.0 QUALITY MANAGEMENT IMPLEMENTATION

For a quality program to be effective, it must be planned and implemented as part of the project work plan and budgeted accordingly. A QMP log - Form 1.0 (see Appendix) should be filled out by the PM for every project, incorporated into the Project Work Plan and forwarded to the QPM for execution.

Proper documentation of the process throughout is also key to successfully managing quality. The following file structure should be set up within the project directory for each project:

\Job_Folder\QMP\Deliverable Name\QC (local server)
\Job_Folder\QMP\Deliverable Name\QA (ProjectWise)
\Job_Folder\QMP\Deliverable Name\Quality Records (ProjectWise)
\Job_Folder\QMP\Deliverable Name\Client Deliverable (ProjectWise)

The **QMP** folder will contain the QMP log (Form 1.0) and all project specific quality requirements, checklists, etc.

The **QC** sub-folder will receive each task item or deliverable that has been produced and is ready for review. Each deliverable will be accompanied by either Form 2.0 or Form 3.0, as determined by the PM or task leader. All assigned checkers will go here to get their assigned documents.

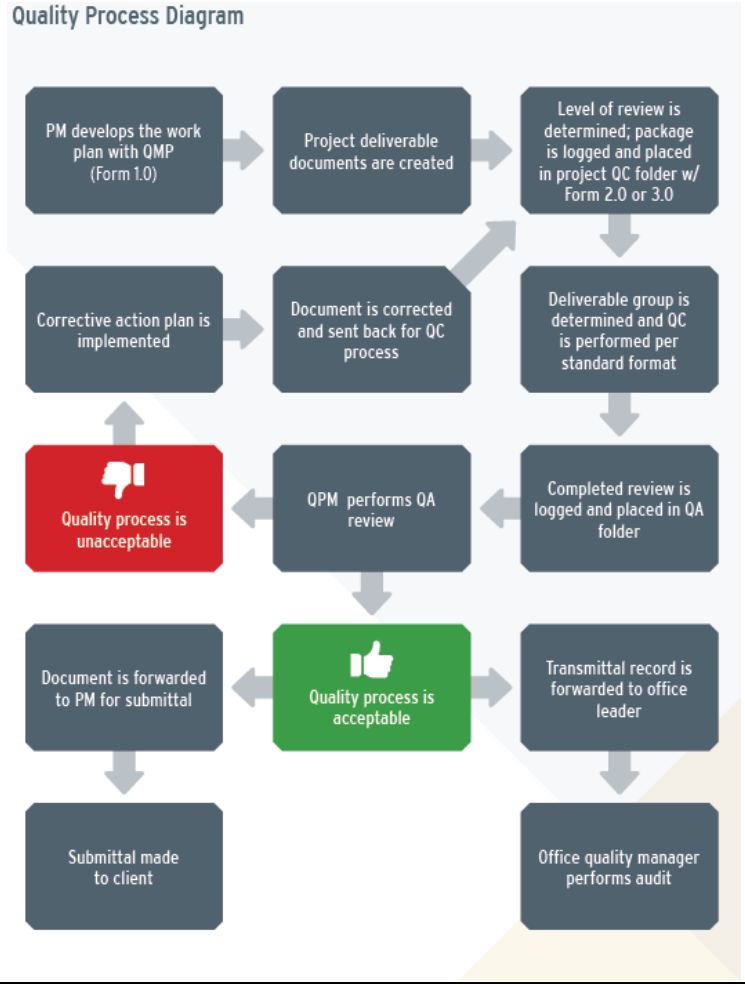
The **QA** sub-folder will receive each completed item or deliverable from the QC folder along with a completed Form 2.0 or Form 3.0. The PQM will go here to find all documents ready for QA.

The **Quality Records** sub-folder houses all completed quality documentation that has been signed off by the QPM and the PM, all audit findings and CAP documentation.

The client deliverable folder houses only clean files which have completed QC/QA procedures that are to be submitted to the client.

4.1 QMP Process Diagram

The diagram depicts all key activities and the work flow required for the quality management process. This diagram is only intended as a guide and can be supplemented as required by the PM or QPM, based upon project complexity or client requirements.



5.0 DELIVERABLES

All deliverables submitted to the LADOTD will be subject to QC/QA as described in our QMP. A specific list of deliverables and milestones will be developed and described in the contract scope of work.

6.0 APPENDIX

FORM 1.0 – QUALITY MANAGEMENT PLAN LOG
FORM 2.0 - LEVEL 1 CHECK PRINT SIGN-OFF SHEET
FORM 3.0 – LEVEL 2 REVIEW MEMORANDUM
FORM 4.0 – QUALITY AUDIT CHECKLIST
FORM 5.0 – CORRECTIVE ACTION LOG/ PREVENTIVE ACTION LOG
Sample Check Print Stamps
LADOTD QC/QA Certification
LADOTD Consultant Submittal QC/QA Certification

HNTB FORM 1.0

Quality Management Plan Log

Project Description:			Job No. PM:			
Project Fee:			QA/QC Budget:			
Deliverable		QA/QC Budget	Review Level	Reviewer	Date	Completed

HNTB

Bridge Quality Management Plan FORM 2.0

LEVEL 1 CHECK PRINT SIGN-OFF SHEET

Client Name: _____

Job Title: _____

Job Number: _____

Document Title: _____

Check Level (Mark One):

- ☐ 1 - 100% Document Check
- ☐ 1 - 100% Input Check (When Pre-Validated Software in Used)

		Name	Received Date	Completion Date
Originated By:	☐			
Checked By:	☐			
Backchecked By:	☐			
Verified By:	☐			

Comments:

HNTB

Bridge Quality Management Plan FORM 3.0

LEVEL 2 REVIEW MEMORANDUM

Client Name: _____

Job Title: _____

Job Number: _____

Document Title: _____

Check Level (Mark One):

- ☐ Studies or Report Type Documents
- ☐ Documents Prepared by Others
- ☐ Checklist
- ☐ CADD QC Audit
- ☐ Other

Specify below:

		Name	Received Date	Completion Date
Reviewed By:	☐			

Review Findings:

HNTB

FORM 4.0

QUALITY AUDIT CHECKLIST

AUDITED AREA:		DATE(S) OF AUDIT:		
AUDITOR:		AUDIT:		
AUDIT ITEM	**REFERENCE**	**METHOD OF VERIFICATION**	**CONFORMS YES**	**NO**
1. Have computer programs utilized been validated?	QMP Group D	Review validation records.		
2. Are calculation check prints available?	QMP Group B	Review originals and check prints		
3. Were calculations checked prior to drawing checking?	QA Folder, QMP Log	Review check prints.		
4. Are drawing check prints available?	QMP Group E	Review record set and check prints.		
5. Are check prints of specifications available?	QMP Group A	Review record set and check prints.		
6. Is checking of input to computer programs being accomplished?	QMP Group B	Review originals and check prints		
7. Are check prints of studies or report-type documents available?	QMP Group A	Review check prints.		
8. Are procedures for marking up check prints being followed? Checker - Yellow/Red Backchecker - Green Updater - Blue Verifier - Yellow	QA Folder	Review check prints.		
10. Are check prints properly signed and dated?	QA Folder	Review check prints.		
11. Are plan reviews completed?	QMP Log	Review package to verify that comment sheets are available.		
12. Are the review comments incorporated into the final documents or disposed of as otherwise noted?	QA Folder	Review for verification that Design Reviews comments have been incorporated. Review for verification that comments from prior Design Reviews have been incorporated.		
13. Are check prints of graphic elements available?	QMP Group C	Review check prints.		
14. Are all checklists validated?	QMP Group D	Review check prints.		

Corrective Action Log

Form 5.0

HNTB - Quality Manager:

Project #	PM or PQM	Issue Summary	Corrective Action	Implemented
12345	Joe Smith	Subs delayed project submittal	Updated schedule for additional time for subs; weekly conference calls initiated	1/1/2012

Preventative Action Log

HNTB - Quality Manager:

Project #	PM or PQM	Issue Summary	Preventative Action	Implemented
12345	Joe Smith	Task 50% complete - 65% spent	Weekly monitoring by PM	1/1/2012

Sample Check Print Stamps

CHECKING PRINT

Checked by_____ Date_____
Back Checked by_____ Date_____
Corrected by_____ Date_____
Tracing Signed by_____ Date_____

AUXILIARY CHECKING PRINT NO.____

Checked by_____ Date_____
Back Checked by_____ Date_____
Corrected by_____ Date_____
Tracing Signed by_____ Date_____

DOTD QC/QA Certification

Project No.: H.0XXXXX
Project Name: XXXXXXXXXXXX

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						

DOTD Consultant Submittal QC/QA Certification

Project No.: H.0XXXXX
Project Name: XXXXXXXXXXXX

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

_____
Submittal Description

_____ _____ _____
Supervisor or Team Leader Name Signature Date

22. Sub-Consultant Information

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
HNTB Corporation	450 Laurel Street, Ste. 1200, Baton Rouge, LA 70801	Dusty Bastion, PE dbastion@hntb.com	225.368.2800
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., STE A Baton Rouge, LA 70809	Sheelagh Brin Ferlito bferlito@vecturacs.com	225-223-6685

23. Location

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