STANLEYCONSULTANTS

Louisiana Department of Transportation and Development

Contract for I-20: Widening/Ovrly (Vancil Rd-LA 34)

Contract No. 4400024307; State Project No. H.015052

Route: I-20; Ouachita Parish

June 16, 2022

EXISTING

PROPOSED

COVER LETTER

June 16, 2022

I-20: WIDENING/OVRLY (VANCIL RD-LA 34)
Contract No. 4400024307

Dear Sir or Madam:

Stanley Consultants has joined with Marrero, Couvillon & Associates, LLC, Arcadis U.S., Inc., and NTB Associates, Inc. to provide a comprehensive, experienced team that is immediately available to provide services for this I-12: Widening/Overly (Vancil Rd-LA 34) project. As project manager, I can attest to how important this project is to our team. We are confident that the team we are providing the Louisiana Department of Transportation and Development (DOTD) is the best and most qualified for the following reasons:

TEAM »

- ***Stanley Consultants, Inc.***
  Prime Consultant
- ***Marrero, Couvillon & Associates, LLC***
  Lighting
- ***Arcadis U.S., Inc.***
  Traffic & Wetland Delineation
- ***NTB Associates, Inc.***
  Survey

» **Staff and Firm Experience:** Exemplified in our Sections 16 and 17 Staff Experience and Firm Experience respectively, are roadway design projects that show that Stanley Consultants has the capabilities that DOTD needs to successfully deliver this project. We have two interstate widening projects on our resume that are IDENTICAL in scope to the I-20: Widening/ Ovrly (Vancil Rd - LA 34) project. They are interstate widenings to the inside including median barrier walls and outside auxiliary lanes. The I-12 Widening (LA 21 to US 190) project is currently under construction. We are providing engineering support during construction. The I-12 Widening (LA 1077 to LA 21) project is in the 95% Final Plan stage. The I-10 @ Loyola Interchange Improvements (EA) represents another interstate project in which we designed a DDI interchange off of I-10 including interchange ramp modifications. We also have two other projects shown in our Firm Experience that required the use of complex geometry proving we have the knowledge to successfully deliver any roadway design project no matter how challenging.

» **Workload and Availability of Resources:** As a Prime Firm, our backlog is currently low. Stanley Consultants is at the 95% Final or later plan stage for its three largest projects creating a significant amount of availability in our team. We will be able to immediately begin working with the DOTD Project Manager on scoping and have the availability to quickly move into the Data Collection phase.

» **Approach and Methodology:** The Stanley Consultants Team has put together an Approach and Methodology in Section 18 that shows we have done our homework. We illustrate an understanding of the corridor. We have provided some issues that we feel will be critical to address during design along with how we propose to address them. We also have described the 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 to deliver this critical infrastructure project. This capacity improvement project will bring much needed relief from daily congestion and it will improve the overall SAFEFTY for the traveling public.

Sincerely,

Jesse Tisdale, PE
Project Manager
TisdaleJesse@stanleygroup.com
225-388-4220

Blake Roussel, PE, PMP
Project Principal
RousselBlake@stanleygroup.com
225-388-4211

I-12: LA 21 to US 190

Responsible Office
Stanley Consultants, Inc.
721 Government Street
Suite 302
Baton Rouge, LA 70802

Project Manager
Jesse Tisdale, PE
LA PE #40972

Project Principal
Blake Roussel, PE, PMP
LA PE #33279

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	**I-20: WIDENING/OVRLY (VANCIL RD-LA 34)**
2. Contract number(s) as shown in the advertisement	**4400024307**
3. State Project Number(s), if shown in the advertisement	**H.015052**
4. Prime consultant name (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, Project Principal; 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, Project Principal; 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.	Signature (shall be the same person as #9): Blake S. Roussel Blake Roussel, PE, Project Principal Date: June 16, 2022	
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): Marrero, Couvillon & Associates, LLC	Firm(s)' %: 7%

12. Past Performance Evaluation Discipline Table:

Evaluation Disciplines	% of Overall Contract	Stanley Consultants (Prime)	Arcadis U.S., Inc.	Marrero, Couvillon & Associates, LLC	NTB Associates, Inc.	Each Discipline must total to 100%
Road	70%	90%		10%		100%
Traffic	25%	10%	90%			100%
Environmental	3%	10%	90%			100%
Planning	2%	25%	75%			100%
Survey*	0%	0%	0%		100%*	100%*
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant						
Percent of Contract	100%	66.0%	27.0%	7.0%	0.0%	100%

* As per SERVICES TO BE PERFORMED/ITEMS TO BE PROVIDED BY DOTD section from the project advertisement, *"The following service and/or data will be provided: 2. Topographic survey for this Project as completed by DOTD or others. Any additional topographic surveys as necessary to complete the plans shall be performed by DOTD or the Consultant, at the option of DOTD. If performed by the Consultant, such work shall be established by a fully executed Supplemental Agreement or by Extra Work Letter."* The survey evaluation discipline has been added to this table at 0% of Overall Contract indicating that our team has the ability to be engaged on obtaining any additional topographic surveys ON AN AS NEEDED BASIS at the direction of DOTD without requiring the submittal of a sub-consultant justification letter during design. Survey is not being requested from the design team in the current scope of work as written in the advertisement. Therefore the % of Overall Contract for the Survey Evaluation Discipline is shown as 0%.

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	Principal	1	3
Stanley Consultants	Supervisor Engineer	3	5
Stanley Consultants	Supervisor - Other	0	4
Stanley Consultants	Engineer	5	5
Stanley Consultants	Engineer Other	0	4
Stanley Consultants	Professional	0	1
Stanley Consultants	Engineer Intern	1	4
Stanley Consultants	CADD Technician	1	3
Marrero, Couvillon & Associates	Principal	1	1
Marrero, Couvillon & Associates	Supervisor Engineer	1	2
Marrero, Couvillon & Associates	Engineer	2	2
Marrero, Couvillon & Associates	Designer	2	2
Marrero, Couvillon & Associates	Cadd Operator	1	1
Arcadis	Principal	2	4
Arcadis	Supervisor Engineer	4	8
Arcadis	Supervisor Engineer-Other	2	3
Arcadis	Engineer	3	9
Arcadis	Engineer-Other	1	1
Arcadis	Engineering Aide	1	2
Arcadis	Planner	2	4
Arcadis	Environmental Professional	3	3
Arcadis	GIS Analyst	2	3
Arcadis	Professional	2	2
Arcadis	Engineer Intern	2	2
NTB Associates, Inc.	Principal	1	1
NTB Associates, Inc.	Engineer	0	1

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)
NTB Associates, Inc.	Surveyor	3	6
NTB Associates, Inc.	Supervisor Other	1	1
NTB Associates, Inc.	Senior Technician	1	1
NTB Associates, Inc.	CADD Technician	2	3
NTB Associates, Inc.	Technician	2	2
NTB Associates, Inc.	CADD Drafter	2	4
NTB Associates, Inc.	Party-Chief	9	17

The Stanley Consultants team was carefully assembled to assure compliance with DOTD required MPRs. Our Principal in Charge, Blake Roussel, meets MPRs 1 and 2. Blake and Adam Fields meet MPR 3. Our structural designer, Luis Santana, meets MPR 4. Orien Butler of our subconsultant, MCA, meets MPR 5, while TJ Scarberry of Stanley Consultants and Thomas Montz, Ari Deitch, and Kester Hollier of our other subconsultant, Arcadis, meet MPR 6. Additionally, Jason Morrell of Arcadis meets MPR 7.

LEGEND
- Stanley (Prime)
- Arcadis
- MCA
- NTB
- ♦ Meets MPR Criteria - See Resume
- # Part-time employee
- ○ Available as needed
- * Meets Traffic Engineering Process and Report Training Requirements

14. Organizational Chart:

LOUISIANA DOTD PROJECT MANAGER
Toby Picard, PE

QA/QC
- Ed Wedge, PE #

PROJECT MANAGER
- Jesse Tisdale, PE

PRINCIPAL IN CHARGE
- Blake Roussel, PE, PMP ♦

ROADWAY DESIGN
- Adam Fields, PE ♦
- Jesse Tisdale, PE
- Jared Blohowiak, PE
- Jackie Wood
- Kayla Lafitteau, EI

MOT / CONST. SEQUENCE
- Rob Pratt, PE

STRUCTURES
- Luis Santana, PE ♦
- Dan Shiosaka, PE #

TRAFFIC ANALYSIS
- TJ Scarberry, PE, PTOE* ♦
- Thomas Montz, PE, PTOE ♦
- Ari Deitch, PE, PTOE, PTP, RSP ♦
- Kester Hollier, PE, PTOE ♦

LIGHTING
- Orien Butler, PE ♦
- Robert Mejia, PE
- Christian Schade, PE

PLANNING / ENVIRONMENTAL
- Greg Badon
- Jason Morrell, PWS ♦
- Jayun Thibodeaux
- Sara Moore

UTILITY COORDINATION
- Randy LeBlanc, PE

SURVEY ○
- Bryan Bunch, PLS
- Mike King, PLS

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Blake Roussel, PE	Stanley Consultants	Civil Eng / 33279 PMP / 2018301	LA USA	Sep 30, 2023 Mar 22, 2023
2	Blake Roussel, PE	Stanley Consultants	Civil Eng / 33279 PMP / 2018301	LA USA	Sep 30, 2023 Mar 22, 2023
3	Blake Roussel, PE	Stanley Consultants	Civil Eng / 33279 PMP / 2018301	LA USA	Sep 30, 2023 Mar 22, 2023
3	Adam Fields, PE	Stanley Consultants	Civil Eng / 35614	LA	Sep 30, 2022
4	Luis Santana, PE	Stanley Consultants	Civil Eng / 42265	LA	Mar 31, 2024
5	Orien Butler, PE	Marrero, Couvillon & Associates	Electrical Eng / 38553	LA	Sep 30, 2023
6	TJ Scarberry, PE, PTOE	Stanley Consultants	Civil Eng / 44867 PTOE / 3366	LA	Dec 26, 2024 Mar 31, 2023
6	Ari Deitch, PE, PTOE, PTP, RSP	Arcadis	Civil Eng / 41842 PTOE #4346 PTP #690 RSP #37 ATSSA TCT / TCS	LA	March 2024 Nov 2023 July 2022 Dec 2024
6	Kester Hollier, PE, PTOE	Arcadis	PE.034304 PTOE #3928	LA	March 2023 Nov 2024
6	Thomas Montz, PE, PTOE, PTP	Arcadis	PE.0039128 PTOE 4093 PTP 599	LA	Sep 2022 July 2022 March 2023
7	Jason Morrell, PWS	Arcadis	Professional Wetland Scientist – #2319	USA	April 2023

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Jesse Tisdale, PE		Years of relevant experience with this employer	4	
Title	Senior Civil 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 / Mar 31, 2023		
Year registered	2016	Discipline	Civil Engineering		

Contract role(s) / brief description of responsibilities	**Contract Role:** Project Manager **Responsibilities:** Overall project management, Single point of contact with DOTD, Updating schedule and risk matrix, Manage the ancillary non-design teams. **Bio:** Jesse has been responsible for the design and/or project management of roadways, highways, intersections, and roundabouts on many projects throughout Louisiana. He has completed 14 projects for DOTD. As project manager, he will provide efficient roadway corridor designs and plan development, rigorous preparation of contracts and specifications, and sensible project scheduling. He has a very diverse transportation background and brings a pragmatic approach to each project. Jesse believes in ergonomic, safe and cost-effective design. 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 years of DOTD experience to provide a straight forward and practical design for this project.

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).
02/21 - 04/22	**Lee Drive Widening; East Baton Rouge Parish, LA; MOVEBR:** Serving as Stanley Consultants' Project Manager and Lead Designer. Stanley Consultants is a subconsultant 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 - 04/22	**I-12: 1077 to LA 21; St. Tammany Parish, LA; DOTD:** Serving as Project Manager, 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.
11/18 - 05/21	**H.010960 LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD:** Deputy Project Manager/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 – 09/21	**H.011909 US 171 at Boone St. Roundabout, Vernon Parish, LA; DOTD:** Serving as Deputy Project Manager, 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.

9/19 - 4/22	**Stone Road to Powell Drive Extension, St. Tammany Parish, LA:** Project Manager 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 Project Manager, 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 project manager 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 - 1/18	**Dijon Drive Extension Phase I & II, Confidential Client, East Baton Rouge Parish, LA:** Project Manager/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.
04/15 - 12/17	**Harveston Way, Private Client, East Baton Rouge Parish, LA:** Lead Designer responsible for the design of new 4 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.
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.
07/13 - 04/15	**LA 477 @ I-12 Roundabouts, DOTD, Livingston Parish, LA:** Engineer-In-Training assisted in the design of the roundabouts at LA 447 and I-12. Mr. Tisdale was responsible for the preliminary drainage design as well as the preliminary InRoads Modeling of the Roundabout approaches. Mr. Tisdale also assisted the Project Manager/Lead Designer in development of the plans and cost estimates for the project.

16. Staff Experience:.

Firm employed by	Stanley Consultants, Inc.		
Name	Blake Roussel, PE, PMP	Years of relevant experience with this employer	14
Title	Senior Civil 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 / Sep 30, 2023; PMP #2018301 / USA / Mar 22, 2023	
Year registered	2007	Discipline	Civil Engineering / Project Management Professional

Over the past two decades, Blake has designed or managed 20 DOTD projects.

Meets MPRs No. 1 - 3

Contract role(s) / brief description of responsibilities

Contract Role: Project Principal

Responsibilities: Overall contract management, Single point of contact with DOTD.

Bio: 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, he gained valuable transportation experience while employed by DOTD.

Blake is a certified Project Management Professional (P.M.P.), which is recognized across the world as the gold standard in project management. This rigorous study and certification process prepared him to lead his team effectively and efficiently. His 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 design 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 time specified in the applicable MPR(s).
06/15 - 04/22	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** Project Manager 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.
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 standard project manager duties including coordination, 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:** Project Manager 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:** Project Manager 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:** Project Manager 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:** Project Manager 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:** Project Manager 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:** Project Manager 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.
03/13 - 08/13	**H.010297 LA 520, Jct. US 79 Widening, DOTD, Claiborne Parish, LA:** Project Manager responsible for the roadway rehabilitation design and plan preparation for approximately 6 miles of rural roadway under DOTD Pavement Preservation Program. In this role, he was responsible for the overall supervision of engineers performing the design and plan preparation, coordination with the owner, reviewing the plans, and checking compliance with the design criteria.
06/11 - 10/12	**Paths to Progress Program - Groups 21, 24, 29, and 33, DOTD, New Orleans, LA:** Lead Civil Engineer responsible for survey supervision, design, and plan preparation. Design tasks included verification of damage inspection reports, preparation of the design quality control plan, incorporation of drainage and utility improvements, and overlay rehabilitation plan preparation. Construction activities include cold plane of asphaltic concrete, asphaltic concrete patching, Portland cement concrete patching, superpave asphaltic concrete overlay, striping, ADA ramps, sidewalk repair, bicycle lanes, and landscaping enhancements.
06/08 - 09/09	**Submerged Roads Program - Groups 6 and 11, DOTD, New Orleans, LA:** Civil Engineer responsible for the verification of damage inspection reports and the preparation of the Design Quality Control Plan. Responsibilities also included repaired storm-drainage pipe using cured-in-place pipe lining for 18", 21" and 24" pipes, milling, asphalt overlay, asphalt patching, concrete repairs, sidewalk repairs, curb replacement, and rehabilitation of manhole and catch basin repairs.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.			
Name	Rob Pratt, PE		Years of relevant experience with this employer	2
Title	Principal Civil Engineer		Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering	
Active registration number / state / expiration date			PE #46614 / LA / March 31, 2022; PE #32964 / CO / Oct 31, 2023	
Year registered	1998	Discipline	Civil Engineering	

Rob has 32 years of transportation design and management experience, including over 20 CMAR and design/build projects.

Contract role(s) / brief description of responsibilities	**Contract Role:** Maintenance of Traffic/Sequence of Construction **Responsibilities:** Advise and review Sequence of Construction sheets. **Bio:** Rob has over three decades of multidisciplinary experience in transportation planning, design, construction management and construction. He has a substantial amount of involvement with alternate delivery projects including design-build and CMAR. Having worked for a large national contractor, he brings the unique perspective of understanding both design and construction.

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).
09/21 - 11/21	**H.010960 LA 30 Roundabouts at Tanger & I-10, DOTD, 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.
07/13 - 12/16	**Confluence Drive; Delta, CO:** CMAR Design Project Manager for the planning, design and CM of new $30M, 2-mile urban freeway bypass around the west side of Delta. Included all environmental, right-of-way (ROW), drainage, and wetland relocation. Four-lane divided highway with two bridges over RR tracks, several signalized intersections, one at grade RR crossing and connections to three US or State Highways. CMGC process saved the project an estimated $8M (25%).
10/21 - 04/22	**Eastonville Road; El Paso County, CO:** CMAR Project Manager for roadway improvements of 5-miles of urban & rural roadway. Project corridor has many access challenges, three schools, multiple parks and ongoing residential and commercial development.
02/18 - 05/19	**Gross Reservoir Expansion; Boulder County, CO:** CMAR Design Manager for the transportation design portion of the $460M expansion of the Gross Reservoir Dam. Project included design of 2-miles of SH 72, 5-miles of county roadways, 2-miles of haul roads and one mile of multi-use trail. Required detailed route and safety analysis to transport in the materials necessary to produce 900,000 CY of concrete.
02/05 - 09/05	**Cheyenne Mountain Safety Improvements; Colorado Springs, CO:** CMAR Project Manager for roadway improvements adjacent to elementary school. Project included widening the roadway, intersection improvements, pedestrian safety enhancements and drainage.

12/19 - 11/20	**Connect Sarpy; Gretna, NE:** CMAR Project Manager for the development of 5 miles of gravel or new roads into paved boulevards. Project also included multiple bridges, rail overpass, traffic signals, roundabouts, and ROW.
10/14 - 05/19	**North Metro Rail Line; Denver, CO:** Design/Build Transportation Design Manger for the development of 17-miles of commuter rail. Project included dozens of urban freeway / roadway upgrades, signalized intersections, roundabouts,10 at grade rail crossings, six park-n-ride stations, five trail segments, multiple trail underpasses, and almost 5 miles of bridges.
03/95 - 02/97	**Harvey's Casino & Resort; Council Bluffs, IA :** CMAR Transportation Engineer for the development of a new hotel and birthing slip for riverboat casino on the Missouri River. Project included roadways, I-29 interchange improvements, parking lots, improvements to the levee, trails, utilities, storm water pump station and UPRR underpass.
04/18 - 05/19	**Caldwell Canyon; Soda Springs, ID:** CMAR Design Project Manager for county road improvements, rail loading station and a new mining haul road. Project included wetland coordination and multiple drainage ponds.
06/97 - 06/98	**Bunge Soybeen Processing Plant; Council Bluffs, IA:** CMAR Design Engineer for the development of a large soybean processing plant and transfer center. Project included improvements to I-29 Interchange, multiple new roadways and 4 rail sidings.
03/18 – 09/18	**Southeast Rail Extension; Lone Tree, CO:** Design/Build Transportation Design Manger for the design of 5-miles of light rail. Project included roadway upgrades, signalized intersections, park-n-ride stations, trails, and bridges over I-25.
02/06 - 09/06	**Martinez Elementary School; Colorado Springs, CO:** CMAR Design Manager for improvements to transportation and pedestrian infrastructure. Project included roadway improvements, trails, sidewalks, ADA upgrades and new parking areas.
04/03 - 12/03	**US 34, Sterling, CO:** CMAR Design Project Manager for improvements along US 34, including signalized intersections for the development of a new Wal-Mart. Worked with the CMAR contractor to address long lead items and get them ordered so the project could be completed on opening day of the store.
01/05 - 07/05	**Federal Drive Safety Improvements, Colorado Springs, CO:** CMAR Design Project Manager for multiple safety improvements along Federal Drive to allow the safe movement of pedestrians between two large Lockheed Martin buildings. Project included bulb outs, raised crosswalks, thump bars and in-pavement lighting and passive activated signage.
03/17 - 10/17	**Fishers Canyon Trail, Fountain, CO:** Design Build Project Manager for approximately one mile of trail replacement due to a flood. Project included a 100-ft pedestrian bridge, channel improvements and scour protection along new trail.
07/19 - 10/20	**US 275, Scribner, NE:** Design Build Project Manager for the widening of 17 miles of freeway from 2-lanes to 4-lanes. Project included 8 bridges, channel improvements, a new levee around Scribner and multiple signalized intersections. Project was canceled after preliminary design due to funding constraints.
09/10 - 06/11	**Pikes Peak Greenway Trail, Colorado Springs, CO:** Design Build Project Manager for 5-miles of new 12' wide trail along Fountain Creek. Project included multiple pedestrian bridges, pedestrian roundabouts, boardwalks over wetlands, underpasses and many retaining walls.
01/21 - 04/22	**56th Avenue, Denver, CO:** Design Build Utility Program Manager for 2 miles or urban arterial widening from 2 to 4-lanes. Worked with the design-build team to locate and develop practical utility relocation solutions.
02/18 - 10/18	**Aurora Lift Station, Aurora, CO:** CMAR Transportation Design Manager for the roadway and infrastructure work necessary to construct new very large water lift station.
02/05 - 10/05	**Cottonwood Creek Trail, Colorado Springs, CO:** Design Build Project Manager for 4-miles of new 12' wide trail along Cottonwood Creek. Project included signalized intersections, pedestrian bridges and long segments of channel stabilization to accommodate benching in a trail.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Ed Wedge, PE		Years of relevant experience with this employer	1	
Title	Principal Civil Engineer		Years of relevant experience with other employer(s)	36	
Degree(s) / Years / Specialization			BS / 1985 / Civil Engineering		
Active registration number / state / expiration date			PE #24613 / LA / Sep 30, 2022		
Year registered	1992	Discipline	Civil Engineering		

Contract role(s) / brief description of responsibilities	**Contract Role:** Quality Control / Quality Assurance **Responsibilities:** Development of QC/QA plan, oversee the review and detail checks of every plan sheet and document prior to submittal to DOTD. **Bio:** 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 time 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, Right-of-way, 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 Project Managers responsible for high risk, technical, complex, environmental sensitive, regionally important and schedule constrained projects.

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 project managers 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.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Adam J. Fields , PE		Years of relevant experience with this employer	4	
Title	Senior Civil 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 / Sep 30, 2022		
Year registered	2010	Discipline	Civil Engineering		

Contract role(s) / brief description of responsibilities	**Contract Role:** Lead Roadway Engineer **Responsibilities:** Lead the development of roadway and intersection plans. **Bio:** Adam is experienced in design for local roads, highways, interstates, anfd 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, AutoCADD, InRoads and OpenRoads software.

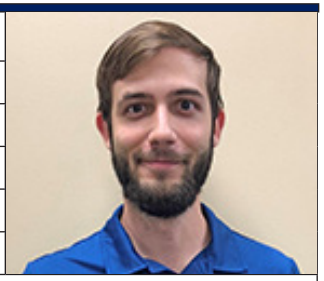
Adam will use his 16 years of diverse design experience to lead the plan development of roadways, intersections and roundabouts.

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 time 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. Mr. Tisdale also provided QA of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
10/18 - 04/22	**H.011137 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.
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.
02/15 -08/18	**I-55 / I-20 Widening; Mississippi Department of Transportation; Jackson, MS:** Civil Engineer responsible for planning and design of widening Interstate 55, Interstate 20 and US HWY 51 and associated interchange ramps as well as design of temporary traffic control plans, temporary striping and signing, temporary sections per phase of construction, construction phasing, all according to MDOT standards.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.			
Name	Jared Blohowiak, PE	Years of relevant experience with this employer	4	
Title	Civil Engineer	Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering		
Active registration number / state / expiration date		PE #46547 / LA / Sep 30, 2022		
Year registered	2022	Discipline	Civil Engineer	



Jared has 4 years of experience designing DOTD projects.

Contract role(s) / brief description of responsibilities

Contract Role: Design Designer

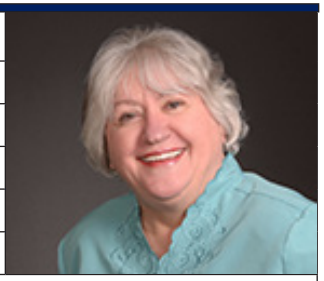
Responsibilities: Assist design team with roadway plan development.

Bio: Jared has worked on a number 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.

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).
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.
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. 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.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Jackie Wood		Years of relevant experience with this employer	5	
Title	Senior Designer		Years of relevant experience with other employer(s)	37	
Degree(s) / Years / Specialization		N/A			
Active registration number / state / expiration date		N/A			
Year registered	N/A	Discipline	N/A		



Jackie has 42 years of experience designing DOTD projects.

Contract role(s) / brief description of responsibilities	**Contract Role:** Roadway Designer **Responsibilities:** Jackie will provide roadway planning and design services on this contract. **Bio:** Jackie specializes in roadway design, including design and drafting of roadway plans; assisting contractors and engineers with the coordination of field changes and the creation of work drawings and change orders; completing feasibility studies; and training of engineering interns and CADD technicians. Previously, Jackie worked with DOTD graphics group to add symbology parameters for the Road Design Standards for CADconform, and she continues to have frequent contact with DOTD CADconform managers. Her skills include proficiency in MicroStation Inroads and DOTD CADconform, and she has working knowledge of AutoCAD Civil 3d.

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).
09/16 - 05/21	**I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD:** Senior Designer responsible for roadway design, modeling, plan production, DOTD formatting and CADConform compliance. Restriping and pier protection were designed to avoid major realignment of roads passing under the interstate overpass, ultimately providing a time and cost savings for the project. Many lane transitions and drops were part of this design as well as auxiliary lane and transitions to existing ramp alignments. Coordination between the bridge engineers and the roadway designers was key to completing a cohesive design.
06/15 – 02/21	**LA 675 and LA 87 Improvements, New Iberia, LA; DOTD:** Senior Designer responsible for preliminary back-check of plans, correcting and CAD Conforming of plans.
04/17 – 05/21	**LA 30 Roundabouts at Tanger & I-10, Ascension Parish, LA; DOTD:** Senior Designer responsible for the design of three multi-lane roundabouts along the LA 30 corridor in Gonzales, LA, as well as the preparation of the typical section sheets, geometric sheets and plan/profile sheets.
06/18 – 02/20	**LA 1, Iberville, Port Allen Canal Misc. Pavement Preservation, West Baton Rouge Parish, LA; DOTD:** Senior Designer responsible for preliminary back-check of plans, correcting and CADD conforming of plans.
04/17 - 04/22	**Roundabout: US 171 at Boone St., Vernon Parish, LA; DOTD:** Senior Designer responsible for the design of intersection and corridor improvements along US 171. Design includes a roundabout, J-turn and turn lanes.
03/16 – 12/18	**I-10/Loyola Interchange Improvements, Kenner, LA; DOTD:** Senior Designer responsible for assisting with Environmental Assessment and IMR alternative concepts and exhibits. Additionally, she aided in MicroStation and ArcGIS conversions and aerials.
05/19 – 07/20	**I-12 Widening Design-Build (O'Neal Ln. to Pete's Hwy), Baton Rouge, LA; DOTD:** Lead Designer responsible for designing and producing MicroStation and InRoads files associated with this project. She also assisted with the preparation of roadway plans and revisions during the construction phase.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Kayla Lafitteau, EIT		Years of relevant experience with this employer	4	
Title	Engineer-in-Training		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			BS / 2019 / Civil Engineering		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		

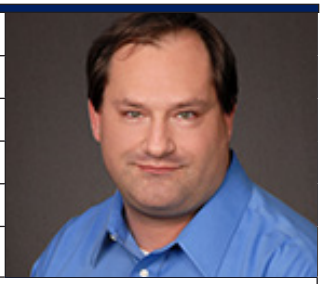
Kayla has 4 years of experience on DOTD projects.

Contract role(s) / brief description of responsibilities	**Contract Role:** Engineer-in-Training **Responsibilities:** Assist team with roadway plan development. **Bio:** 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.

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).
12/17 - 04/22	**I-12: 1077 to LA 21; St. Tammany Parish, LA; DOTD:** Engineer in training 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.
09/18 - 04/22	**H.010960 LA 30 Roundabouts at Tanger I-10, DOTD, Ascension Parish, LA:** Engineer-In-Training 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.
05/19 - 3/22	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA:** Engineer-In-Training 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 - 2/20	**H.013191 LA 1 Iberville P/L - Port Allen Canal, DOTD, East Baton Rouge Parish, LA**: Engineer-In-Training 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 - 8/19	**H.009633 LA 67 EBR P/L to 8 Miles North of EB, DOTD, East Feliciana Parish, LA:** Engineer-In-Training 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.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Luis Santana, PE		Years of relevant experience with this employer	16	
Title	Senior Structural Engineer		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering; BS / 2005 / Oceanic Engineering		
Active registration number / state / expiration date			PE #76363 / FL / Feb 28 2023; PE #42265 / LA / Mar 31, 2024		
Year registered	2013	Discipline	Civil Engineering		



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

Meets MPR No. 4

Contract role(s) / brief description of responsibilities

Contract Role: Structural Engineer

Responsibilities: Median barrier design, cantilevered sign support inspection and design, sign truss inspection and design.

Bio: 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.

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).
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.
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.

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.
09/13 - 08/19	**Hood Road from East of Florida's Turnpike to West of Central Boulevard, Palm Beach County Roadway Production, Palm Beach County, FL.** Luis served as the Structural Engineer responsible for the design and plan productions for a new bridge over an interstate highway. The project consisted of a new bridge to be located on the north side of the existing bridge to act as the westbound lanes. The design contained two 150-ft span pre-stressed beams superstructures. The substructure consisted of end bents and a three-column pier, and 24" and 18" SQ Concrete pile foundations. The project included two MSE wall along the end bents. This capacity improvement project involves widening of the existing east-west 2-lane undivided Hood Road rural segment (1.2-mile long) to a 4-lane divided urban arterial in accordance with Palm Beach County Thoroughfare Road Design Procedures. The widening of the Hood Road project segment also includes adding a twin bridge structure north of the existing 2-lane bridge #930398 over I-95 to accommodate the 4-lane configuration. Design involved providing access management to adjacent properties by providing median openings, driveway entrances and right turn lanes. The project also involved construction agreement processing with FDOT District 4 regarding the bridge structure over I-95.
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.
04/09 - 04/10	**Advanced Traffic Management System Design-build, Florida Department of Transportation, District 1, FL:** Structural Engineer responsible for the design of four mast arm structures and the development of construction plans. The design consists of mast arms, upright poles and drill shaft piles which will support a variety of traffic control sign heads and signs.
04/14 - 04/15	**Crosstown Parkway Design-build, City of Port St. Lucie, Port St. Lucie, FL:** Structural Engineer responsible for developing 60% plans and calculation for a 3/4 miles bridge over the North Fork St. Lucie River. The bridge consists of a 34 span structure support 6 lanes of traffic (3 in each direction). The superstructure comprises of Florida I-Beam type FIB36, 45, and 54. The substructure consists of pile bent for both end bents and the majority of the intermediate bents. The substructure also utilized column piles foundation of piles. The bridge also featured one vertical profile, two horizontal curves, and superelevations.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc				
Name	Dan Shiosaka, PE, SE		Years of relevant experience with this employer	30	
Title	Principal Structural Engineer		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			MS / 1991 / Civil Engineering; BS / 1977 / Civil Engineering		
Active registration number / state / expiration date			PE #37536 / LA / Mar 31, 2023; PE #14083 / AZ / Sep 30, 2022		
Year registered	1996	Discipline	Civil Engineering		

Dan's 45 years of structural design will assist the team in the development of any structural design.

Contract role(s) / brief description of responsibilities	**Contract Role:** Structures and Bridge Design **Responsibilities:** Assist with structural design and bridge planning/design. **Bio:** Dan will serve as Structural Engineer responsible for bridge designs. Dan's relevant experience includes designing bridge structures of steel, precast concrete, and cast-in-place concrete. The bridges have ranged in complexity from straight, single-span, precast prestressed concrete bridges to curvilinear, multi-span continuous, cast-in-place (CIP) post-tensioned concrete bridges. His intuitive nature and focused mindset will help guide all structural related design tasks. Dan has served as Project Manager, Structural QA/QC Officer and Lead Structural Engineer on numerous transportation-related structures projects. His project management responsibilities have included budget and schedule control, contractor tendering, client liaison, contract administration, issuing change orders, evaluating and mitigating claims, preparing reports, and providing quality control and quality assurance. His experience includes preparing structure selection reports, type/size/location studies and drawings, and developing contract plans, specifications, and estimates (PS&E). Dan is additionally experienced in the use of several structural engineering software applications.
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).
01/17 – 09/20	**Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish, LA:** St. Tammany Parish Government: Serving as Structural Engineer QA/QC Officer, Dan was responsible for final review of the design and plan production for this bridge replacement project. The scope of work consisted of replacement the existing timber bridge with a new concrete flat slab bridge. The new bridge was widened to include 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. The new bridge foundation consisted of pile caps and 16-in prestress, precast concrete piles.
09/16 – 05/21	**I-12, LA 21 to US 190 Widening Design, St. Tammany Parish, LA; DOTD:** Serving as Structural Engineer QA/QC Officer, Dan was responsible for the final review of the design and plan productions 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.

11/15 – 04/21	**I-19 / SR86 Ajo Way TI, Southcentral District, Tucson, AZ; Arizona Department of Transportation:** As Structural QA/QC Manager, Dan helped to provide structural work, inclusive of the Michigan St pedestrian bridge and SR-86 Ajo Way Santa Cruz River Bridge replacements; completion of the Rodeo Wash RC box culvert and I-19 sound barrier walls south of Michigan St and along the south side of SR-86 Ajo Way. The project consisted of two construction phases to replace a narrow old Partial Cloverleaf (Par-Clo) traffic interchange with a wide modern Single Point Urban Interchange (SPUI). The phases are segregated to suit two ADOT fiscal year funding appropriations. Phase I concluded in the Spring 2018. Structural work included TI Underpass replacement; a new 4-span Entrance Ramp A (SB) bridge with a straddle bent over Irvington Rd Exit Ramp C (SB), and sound barrier walls along I-19 NB & SB from SR-86 Ajo Way to Michigan St. A new RC box culvert conveys Rodeo Wash beneath SR-86 Ajo Way, built in a matching two-phase manner.
06/18 - 03/22	**I-10, Houghton Road Transportation Interchange, Final Design, Tucson, AZ; Arizona Department of Transportation:** Structural Engineer responsible for pre-design Bridge Selection Report phase and final design QA/QC plan review phase of design by subconsultants. The project scope involves replacing of an old diamond TI configuration bridge with a new Diverging Diamond TI configuration bridge. Alignment improvements allow for "offline" construction while the old bridge remains in service. Maintenance of traffic criteria require complex construction sequence to make the conversion transitions.
07/05 - 07/12	**Red Mountain Freeway Power to University, Mesa, AZ; Arizona Department of Transportation:**: As Design Manager, Dan was responsible for the multi-discipline final design and construction documents for five miles of new urban freeway with three service TIs. The project included utility, right-of-way and environmental clearances and coordination with ADOT, City of Mesa, FCDMC, NRCS, ADEQ, CAP, and numerous utilities.
06/06 - 12/10	**I-17 Widening Jomax Road to SR74, Phoenix, AZ; Arizona Department of Transportation:** Serving as Design Manager, Dan was responsible for providing engineering support to the project team. Project tasks included quantity, cost estimate and plan sheet quality control.
12/18 - 04/22	**SR 24, Ellsworth Rd to Ironwood Rd, Mesa, AZ; Arizona Department of Transportation:** Design Manager responsible for design of five miles of urban freeway. The project includes utility and R/W clearances, environmental mitigation efforts, and coordination with ADOT, City of Mesa, Pinal County, FCDMC, and utilities. Construction includes new SR 24 mainline and ramp construction, crossroad construction, three mainline bridges, retaining walls, onsite and off site drainage facilities, concrete channel, drainage basins, erosion control, traffic signals, FMS, lighting, signing/pavement marking, and traffic control. This is an extension of Dan's SR 24 Gateway/SR 202L Santan Fwy 4-Level System TI. It features dual OP bridges at the Ellsworth Road TI and Mountain Road. Pier-style exposed abutments in front and MSE walls behind simplifies/speeds design and construction. New AZ BT-girders and new partial depth precast prestressed concrete deck panels are ABC/PBES measures that Stanley Consultants brought to the table for the SR 202L South Mountain Freeway, corridor wide. The SR 24 bridges feature a first in Arizona configuration of "cookie cutter" modular precast pier cap beams at all abutments and piers. Sets of identical cap beams, each supporting multiple identical girders, and supported upon identical columns create true modular substructure. Ellsworth Road will be constructed full-width. Mountain Road will be designed for full envisioned width but built for interim use to accommodate future compatible/matching median in-fill widening.
08/10 - 11/15	**SR 24 Gateway Freeway, SR 202L Santan Freeway to Ellsworth Road, Mesa, AZ; Arizona Department of Transportation:** Dan served as the Structures Design Manager for the four-level fully-directional urban freeway system traffic interchange which included nine major bridges. The Stage II 30% design showed 5 directional ramp bridges with varying precast prestressed girders – Type 5 MOD, Type 6, and Type 6 MOD Super 78" – and a host of interspersed irregular spans ranging from 90 feet to 140 feet. Ramp WS had a compound curve and two separate bridges: WS1 (2-column bents) and Bridge WS2 (1-column piers). Dan served on the Final Design VE Team. He formulated a two-phase construction sequence to segregate SR 202L traffic, eliminate the compound curve, combine two bridges into one Ramp WS bridge, and use consistent cross section CIP P-T box girders for four directional ramps. All spans are balanced spans; 30 out of 34 interior spans are identical 152' spans. Traffic control, conversion to CIP, combining two bridges, and span repeatability yielded ADOT an estimated $2.2 million savings.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	TJ Scarberry, PE, PTOE		Years of relevant experience with this employer	12	
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			MS / 2018 / Civil Engineering; BS / 2007 / Civil Engineering		
Active registration number / state / expiration date			PTOE #3366 / USA / Nov 26, 2024; PE #44867 / LA / Mar 31, 2023		
Year registered	2012	Discipline	Professional Traffic Operations Engineer / Civil Engineering		

Contract role(s) / brief description of responsibilities	**Contract Role:** Traffic Analysis **Responsibilities:** Assist with traffic analysis and traffic control sequencing. **Bio:** TJ's transportation and traffic-related experience is extensive. He has been the lead traffic control designer on several large design build projects in several different states. TJ uses his experience to think out of the box and create plans that will allow the contractor to build the job efficiently, but while also minimizing the disruption to the traveling public. He has practical field experience working with contractors to develop traffic control plans and understands what it will take to get the job built and the methods that contractor use to build projects. This unique understanding allows TJ to develop traffic control plans that maximizes the work areas and minimizes the number of phases needed to build projects.

TJ's understanding of traffic and construction has made him a valuable asset relative to Traffic related tasks. TJ has completed the DOTD TEPR training course.

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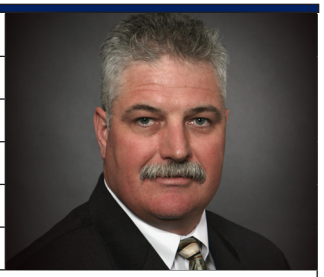
Meets MPR No. 6

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 time specified in the applicable MPR(s).
08/20 - 04/21	**Bridge Bundle Project, Colorado Department of Transportation (CDOT), Region 2, Colorado Springs, CO:** TJ was the traffic lead engineer on this project laying out sequencing and MOT plans for 19 bridge locations throughout Southern Colorado. The MOT was designed utilizing the CDOT lane closure strategies, and evaluation of current traffic volumes. The MOT approach depended on the bridge, some shooflies were designed, other utilized a single lane operation, and other allowed for complete closures and detouring traffic to adjacent routes. The signal lane operations were modeled to ensure delay was not excessive. Automated flaggers gates were to be used, based on the modeling a timing plan was recommended. The detour routes were evaluated for large trucks to ensure they would not get stuck along the detour routing.
09/19 - 07/20	**I-10 Broadway Curve, Arizona Department of Transportation (ADOT):** TJ primarily designed the ITS system for this 10-mile project in the heart of Phoenix. As part of the project requirements the existing ITS system must remain active while building the new roadway. TJ worked with the contractor to understand how the project was intended to but built and broke the ITS plan into phases to align with the construction areas. Working with all design disciplines and the contractor he helped modify work area and created temporary connections between the new ITS system and old system to keep all devices active during construction. Keeping the ITS equipment active helped active a smart work zone for this project. Variable message boards will display travel times and inform travelers of upcoming restrictions or slowdowns. The CCTV allow the contractor to monitor the work area and quickly identify accidents or staled vehicles and get them cleared out quickly. The data from the CCTV's and the DMS along with and upcoming major closures or major traffic shifts was ported to a public website where the public can current roadway conditions before they leave.

04/19 -09/20	**Pena Blvd Design/Build Pursuit, Denver International Airport, Denver, CO:** TJ prepared MOT design for the project pursuit. This project was to reconstruct and add capacity to Pena Blvd on the approach to the Denver International Airport. TJ designed the MOT phasing working with the contractor (Flatiron) and other designers. A plan was developed to maximize the work area for the contractor while minimizing the impact on traveling public. This was done by modeling the proposed construction phasing and evaluating the impact to the public and to the contractor. Phasing was adjusted based on the models to minimize the impact to airport operations. Attended task force meetings with the contractor, helped prepare exhibits for the proposal, as prepared and presented at the interview. Involved in the ATC (Alternative Technical Concepts) process to improve on the base design. Created ATC's for traffic control, as well as helping with an ATC for a re-configuration of an interchange.
11/13 - 10/15	**Paseo del Norte Interchange, New Mexico Department of Transportation (NMDOT), Albuquerque, New Mexico:** TJ was the task lead for all traffic items, including MOT, Lighting, Signing and striping, ITS and Signals for this job. Created plans for the proposal, attended ATC meetings and ran Task force meeting for all the traffic disciplines. Designed new and temporary traffic signals for the project, attended on-site switch over and adjustments of the signals during overnight traffic switches, working with electrical contractors to troubleshoot issues encountered in the field. Created MOT plans for the proposal and adjusted the plans through the duration of the construction project when the contractor changed phasing or encountered something in the field that dictated a change. Implemented a smart work zone for this project that included variable speed limits, mobile DMS boards that tied back to the TMC (traffic management center) so travel times could be displayed. Each phase of the traffic control was modeled in PTV Vissim to determine the impact to traffic. Alternatives were created, evaluated, and approved by NMDOT before the contractor could move on the next phase.
02/18 - 04/20	**NB I-25 Ramp Metering (Road X Project); Southern Denver Metro, CO; City of Denver:** Project Manager/Traffic Engineer. The project was a cooperation between several counties and municipalities on the south side of the Denver metro area. Worked with and coordinated with CDOT and the municipalities to design and install new ramp metering technologies for I-25 NB from Ridgegate parkway to University Blvd. This project is intended to improve the operations of NB I-25 by updating the ramp metering. The ramp metering for this project uses a new algorithm using the ramp volumes, approaching volumes and departure volumes to constantly adjust the timing to maximize the flow of the interstate. TJ designed the installation of the TIRTL (The Infrared Traffic Logger) along mainline I-25 and at each of the entrance ramps. Once installed they collect data for a period of time to be able to adjust the ramp flows dynamically. A before and after evaluation was be completed to determine the effectiveness of the technology.
04/17 - 03/22	**North I-25, Johnstown to Fort Collins Design-Build, Confidential Client, CO:** Traffic Engineer responsible for coordinating the approval of the rail road crossing on the I-25 frontage road just north of County Road 20E. This included an application to the local PUC (Public Regulation Commission) to approve the new rail crossing. This required coordination with the contractor, the rail road owner, CDOT and the PUC. The application included preliminary rail crossing layouts following CDOT and the Railroad standards. Evaluation of the existing crossing and the future crossing for safety.
01/18 - 03/20	**NB I-25 Ramp Metering (Road X Project); Southern Denver Metro, CO; City of Denver:** Project Manager/Traffic Engineer. The project was a cooperation between several counties and municipalities on the south side of the Denver metro area. Worked with and coordinated with CDOT and the municipalities to design and install new ramp metering technologies for I-25 NB from Ridgegate parkway to University Blvd. This project is intended to improve the operations of NB I-25 by updating the ramp metering. The ramp metering for this project uses a new algorithm using the ramp volumes, approaching volumes and departure volumes to constantly adjust the timing to maximize the flow of the interstate. TJ designed the installation of the TIRTL (The Infrared Traffic Logger) along mainline I-25 and at each of the entrance ramps. Once installed they collect data for a period of time to be able to adjust the ramp flows dynamically. A before and after evaluation was be completed to determine the effectiveness of the technology.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.			
Name	Randy LeBlanc, PE		Years of relevant experience with this employer	2
Title	Civil Engineer		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		BS / 1983 / Civil Engineering		
Active registration number / state / expiration date		PE #31782 / LA / Sep 30, 2023		
Year registered	2005	Discipline	Civil Engineering	



Contract role(s) / brief description of responsibilities	**Contact Role:** Utility Coordinator **Responsibility:** Randy will provide utility coordination and roadway planning and design services on this contract. **Bio:** Randy is a Principal Engineer and Construction Manager with many years of experience providing design and construction management activities and assisting municipal, commercial and industrial clients with their civil and environmental engineering projects. His expertise is in the planning, design, project management and construction management of water and wastewater treatment projects, pipeline and pump station projects, water and sewer infrastructure rehabilitation projects and water distribution and pumping systems, including large-diameter pipeline and Mississippi River levee crossing projects. His responsibilities have included managing multi-disciplined design and construction teams; developing QA/QC plans, health and safety procedures, and field personnel staffing plans for construction QA inspections; and executing project and construction management tasks for all permitting, design and construction services required on all projects.

Randy will draw on his 37 years of experience for this contract.

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).
05/12 - 06/22	**Water Hammer Hazard Mitigation Project, Sewerage & Water Board of New Orleans, New Orleans, LA:** Project Principal responsible for construction management activities included engineering technical reviews of submittals, Requests for Information (RFIs), contract drawing clarification, and special discipline inspections. Randy coordinated with engineering disciplines during the construction phase to provide responses and resolutions to construction-related issues, payment application reviews and approvals, change order reviews, evaluations and independent cost analysis and progress schedule evaluation.
05/18 - 04/2020	**South WWTP Wet Weather Improvements Phase II, City of Baton Rouge, LA:** Project Engineer/Construction Manager responsible for providing and coordinating design and construction management services for design and construction of the SWWTP Phase II project to include lead civil engineering for the design of all site civil aspects; engineering site assistance; technical review of submittals, O&M Manuals, and Requests for Information (RFIs), Contract Drawing clarification and Special Discipline Inspections on this project that included four new 84-MGD final clarifiers and chlorine contact basin, upgrades to four 65-MGD final clarifiers and chlorine contact basin, a new 200-MGD effluent pump station with new 5-MGD non-potable water pump station and water distribution system, a new 54-inch effluent force main and Mississippi River levee crossing with outfall structures.

16. Staff Experience:

Firm employed by Marrero, Couvillon & Associates, LLC.					
Name	Orien Butler PE		Years of relevant experience with this employer	9	
Title	Electrical Engineer		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization			BS / 2003 / Electrical Engineering		
Active registration number / state / expiration date			#38553 / LA / September 30, 2023		
Year registered	2013	Discipline	Electrical Engineering		
Contract role(s) / brief description of responsibilities	**Contract Role:** Roadway Lighting **Responsibilities:** Interstate lighting.				

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).
12/06 - 06/08	**DOTD - SP# 450-11-0048, I-10, LA 30 and LA 44 Interchanges, Gonzales, LA** Sr. Electrical Engineer - Designed the lighting system for two DOTD interchanges in Gonzales, LA. Designed photocell cabinet controlled high mast lighting to meet required illumination levels for I-10 on and off ramps at both LA 30 and LA 44.
08/07 - 02/09	**DOTD - SP# 454-03-0069, I-12/Airport Road Interchange, Hammond, LA** Sr. Electrical Engineer - Designed the lighting system for a DOTD interchange in Hammond, LA. Designed photocell cabinet controlled low mast lighting to meet required illumination levels at I-12 on and off ramps at Airport Road.
12/06- 11/13	**DOTD - SP# 450-15-0103, Interstate Highway Lighting (DOTD) at the I-10, Causeway Blvd. Interchange, Jefferson Parish, LA** Sr. Electrical Engineer - Designed the lighting system for this $35.6 million project involving the addition of five dedicated ramps at the I-10/Causeway Boulevard interchange. Designed photocell cabinet controlled low mast and high mast lighting to meet required illumination levels, including new loop and ramp structures.
01/12 - 03/14	**DOTD - SP# 700-99-0429, Bayou LaLoutre Bridge Rehabilitation, Yscloskey, LA** Sr. Electrical Engineer - Responsible for the complete electrical rehabilitation of an existing DOTD movable bridge facility. Conducted the electrical inspection of the movable bridge facility and made recommendations for power and lighting system rehabilitation, replacement of traffic gates, navigational lights, installing traffic signals, emergency power generation, operator house, and utilities building. Included the design of new lighting, panels, switchboards, and control system for the bridge system (including the wound rotor motor used for movable bridge operation). The design was expanded to include a new Operator House structure (2-story) which was requested by the DOTD.

01/13 - 05/15	**DOTD - SP# 829-32-0010/H.008145, LA-1 Relocated, Golden Meadow to Port Fourchon, LA** Sr. Electrical Engineer - The LA 1 Relocated project will provide an 18-mile, fully access controlled, elevated highway on a new location between Golden Meadow (LA 3235) and Port Fourchon (LA 3090). Performed the lighting design for Phase 2A, B, C which involved approximately 9 miles of two-lane, elevated highway from Leesville to Golden Meadow (LA 3235). The scope of work also included the design of electrical and controls infrastructure for ITS equipment and new toll booths along the route.
08/14 - 05/15	**DOTD - SP# H.010882, Harvey Canal Tunnel Renovation, Harvey, LA Sr. Electrical Engineer** - Responsible for the complete electrical rehabilitation of an existing DOTD bridge facility. Designed new lighting in the tunnel as well as interior equipment and personnel rooms, panels, switchboards and standby power systems (UPS and Generator), a new fire alarm and CCTV system.
11/16 - 05/18	**DOTD - SP# H.012422, I-110 at Terrace Avenue, Baton Rouge, LA** Sr. Electrical Engineer - Designed the lighting system for a new $8.8 million ramp project connecting I-110 to Terrace Avenue at Baton Rouge. Designed low mast lighting to meet required illumination levels on the ramp and underpass lighting at the interchange.
01/17 - 05/18	**DOTD - SP# H.012874, I-55/LA-22 Interchange, Tangipahoa Parish, LA** Sr. Electrical Engineer - Designed the lighting system for an interchange in Tangipahoa Parish, LA. Designed high mast and low mast LED lighting to meet required illumination levels at the interchange.
06/18 – 11/18	**DOTD - SP# H.009730.5, LA 39 Judge Seeber Bridge Over Inner Harbor Canal Inspection New Orleans, LA** Sr. Electrical Engineer - Inspection and review of newly constructed bridge electrical system, navigational lighting and function of aesthetic lighting, controls and all related components. Observation/oversight of acceptance tests and generation of report with analysis and suggestions for remedy of any problems discovered during inspection.
01/19 – 02/19	**DOTD - SP# H.011111, I-49 Maintenance & Aesthetic Lighting Installation Inspection Shreveport, LA** Sr. Electrical Engineer - Job Description: Inspection and review of condition of electrical power system and all related components. Observation/oversight of preventive maintenance tests and generation of report with analysis and suggestions for remedy of any problems discovered during inspection.
04/18 – 12/19	**DOTD - SP# H.001234, Retainer Contract for Bridge Preservation Contract No. 4400002791, Port Allen Canal Bridge - LA 1 Over ICWW, West Baton Rouge Parish, LA** Sr. Electrical Engineer - Launched field investigation and designed the replacement LA-1/ICWW bridge area lighting, navigational lighting and power system. The design included the demolition of existing roadway, Interstate, boat launch area and navigational lighting (including Low Mast, High Mast and Secondary Power Controllers). Coordination with the power company, Corps of Engineers (boat launch traffic loop counter), Port of Baton Rouge (Center channel warning), Coast Guard (Navigational Lighting), FAA offices (to obtain FAA clearance report for the installation of the new High Mast Lighting), DOTD (for the Interstate lighting requirements and the existing CCTV camera tower), and West Baton Rouge Parish (for roadway and Interstate lighting construction phasing) was key to develop the appropriate design activities for the project. Later, the design packages had to be strategically divided into Phase 1 and 2 to facilitate scheduled funding.

16. Staff Experience:

Firm employed by	Marrero, Couvillon & Associates, LLC				
Name	Robert Mejia, PE			Years of relevant experience with this employer	6
Title	Senior Electrical Engineer			Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization			BS / 1987 / Electrical Engineering		
Active registration number / state / expiration date			#25414 / LA / September 30, 2023		
Year registered	1993	Discipline	Control Systems and Electrical		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Roadway Lighting / QA/QC				

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/17 – 11/20	**DOTD - I-10 and 73 – Design Build, Ascension and East Baton Rouge Parish, LA** Sr. Electrical Engineer - Provide electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
04/18 – 02/4/19	**City of New Orleans - Howard Avenue Extension (Loyola Avenue to LaSalle Street) New Orleans, LA** Sr. Electrical Engineer - Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.
07/17 – Present	**City/Parish of East Baton Rouge - I-10 and Pecue Lane, Baton Rouge, LA** Sr. Electrical Engineer - Lighting design along Pecue Lane from the control of access points north and south of the roadway. Currently, there is no access to I-10 from Pecue Lane and the existing Pecue Lane consists of 2 traffic lanes. The existing overpass will be removed and replaced with two overpass structures, with 3 lanes in each direction. Pecue Lane will be reconstructed to a curb and gutter section, with a raised median and 3 lanes in each direction. South of I-10 there will be two bridge structures for Pecue to cross Ward's Creek.
04/18 – 02/20	**Port of New Orleans - France Road** North, Roadway and Drainage Improvements, New Orleans, LA – Sr. Electrical Engineer - MCA provided the electrical and mechanical engineering services for the roadway and drainage improvements.
11/16 – 6/17	**City of New Orleans - Louis Armstrong New Orleans Airport International Airport Pavement Remediation at Eastern Side of Runway 11-29, Kenner, LA** Sr. Electrical Engineer - Electrical design services for Pavement Remediation of sag in existing runway pavement on the eastern side of Runway 11-29 near Taxiway Alpha at the airport.

16. Staff Experience:

Firm employed by	Marrero, Couvillon & Associates, LLC				
Name	Christian Schade, PE		Years of relevant experience with this employer	5	
Title	Senior Electrical Engineer		Years of relevant experience with other employer(s)	24	
Degree(s) / Years / Specialization		BS / 1993 / Electrical Engineering			
Active registration number / state / expiration date		#32483 / LA / September 30, 2022			
Year registered	2006	Discipline	Electrical Engineering		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Electrical Engineer / Electrical Engineering Design				

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/17 – 11/20	**I-10 and 73 – Design Build** Electrical Engineer - Provide electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
08/16 – 07/20	**Bayou LaLoutre Bridge Rehabilitation** Electrical Engineer - Provided complete electrical rehabilitation on the vertical lift bridge.
07/17 – Ongoing	**I-10 and Pecue Lane** Electrical Engineer - Lighting design along Pecue Lane from the control of access points north and south of the roadway. Currently, there is no access to I-10 from Pecue Lane and the existing Pecue Lane consists of 2 traffic lanes. The existing overpass will be removed and replaced with two overpass structures, with 3 lanes in each direction. Pecue Lane will be reconstructed to a curb and gutter section, with a raised median and 3 lanes in each direction. South of I-10 there will be two bridge structures for Pecue to cross Ward's Creek.
04/18 – 02/20	**Port of New Orleans - France Road** North, Roadway and Drainage Improvements – Electrical Engineer - MCA provided the electrical and mechanical engineering services for the roadway and drainage improvements.
11/16 – 6/17	**Louis Armstrong New Orleans Airport International Airport Pavement Remediation at Eastern Side of Runway 11-29, Kenner, LA** – Electrical Engineer - Electrical design services for Pavement Remediation of sag in existing runway pavement on the eastern side of Runway 11-29 near Taxiway Alpha at the airport.
04/18 – 02/19	**City of New Orleans - Howard Avenue Extension (Loyola Avenue to LaSalle Street) New Orleans, LA** – Sr. Electrical Engineer - Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.

16. Staff Experience:

Firm employed by Arcadis					
Name	Thomas Montz, PE, PTOE, PTP		Years of relevant experience with this employer	9	
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			MS / 2011 / Civil Engineering, Louisiana State University BS / 2009 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date			PE.0039128 / LA / September 2022; PTOE #4093 / USA / July 2022; PTP 599 / USA / March 2023		
Year registered	2014	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Traffic Engineering / Mr. Montz is a Project Manager and Senior Transportation Engineer specializing in transportation planning / feasibility, modeling, safety, and design. He has over 12 years of experience leading a multitude of planning and engineering projects including Stage 0 feasibility studies, safety studies, NEPA studies, traffic signal timing and design, and transportation management during construction. He specializes in traffic analysis and operations including signal timing, signal design, ITS design, HCM analysis, and microsimulation analysis.				

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).
12/13 – 06/15	**LA 3235 Stage 0 Safety Feasibility Study, DOTD, Lafourche Parish, LA.** Traffic Engineer. Responsible for traffic and safety analysis as part of the Stage 0 feasibility study to develop improvement alternatives with the goal of enhancing mobility and safety on LA 3235. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety analysis, development of conceptual layouts, and public outreach. Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. Purpose of the project was to address historical safety issues along the corridor resulting from high speeds and conflict points. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/19 – 12/19	**US 90 Traffic Signal Timing Upgrades/DOTD, Lafayette Parish, LA.** Technical Lead of project tasks involving traffic data collection and analysis, signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal timing analysis using Synchro 10 software, and development of updated TSI forms following latest DOTD standards
02/15 – 08/17	**US 71 Corridor - Phase II Stage 0 Feasibility Study, DOTD; Rapides Parish, LA.** Project Manager. Responsible for the preparation of a corridor feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety data analysis, alternative development, and public/stakeholder involvement. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
04/16 – 09/18	**New Orleans Pedestrian Stage 0 Safety Feasibility Study, DOTD, Orleans Parish, LA.** Traffic Engineer. Responsible for traffic data collection, volume development, traffic analysis, and alternative screening. Purpose of the project was to identify safety improvement alternatives at 20 high-priority intersections in New Orleans with a history of pedestrian and bicycle safety issues. Assisted with the development of safety countermeasures for short-term and long-term alternatives. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.

04/16 – 10/19	**I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, DOTD, East Baton Rouge and Livingston Parishes, LA**. Traffic Engineer. Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives along I-12 between the I-10/I-12 split and Walker, LA. Developed a range of alternatives and made recommendations based on the alternatives that produced the greatest operational benefits and relieved major bottlenecks. Presented results to DOTD project team and administration to inform the decision-making process and subsequent project stages.
02/18 – 06/21	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments DOTD, East Baton Rouge Parish, LA.** Traffic Engineer. Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes.
12/13 – 05/15	**Joe Sevario / Roddy Road Stage 0 Safety Feasibility Study, DOTD, Ascension Parish, LA.** Traffic Engineer. Evaluation of roundabouts at 10 stop-controlled intersections along Joe Sevario / Roddy Road, from US 61 to LA 42, a length of approximately 7.2 miles. Main tasks included traffic data collection, traffic signal warrants, crash analysis, capacity analysis, safety analysis, review of existing pipelines and other municipal utilities, alternatives analysis, design development, and cost estimates.
11/12 – 4/13	**LA 594 (Millhaven Rd.) Stage 0 Feasibility Study and Preliminary Design, I-20 Economic Development Corporation, Ouachita Parish, LA.** Traffic Engineer. Responsible for traffic data collection and traffic and safety analysis tasks. The project proposed roadway improvements to maintain operations and safety along Millhaven Road while accommodating projected increases in traffic demand and commercial development.
04/16 – Ongoing	**Pete's Highway Interchange Alternatives and Environmental Assessment, DOTD, Denham Springs, LA.** Traffic Engineer. Responsible for assisting with traffic signal timing analysis tasks including volume development / projections, origin-destination study, VISSIM model development and calibration, and noise analysis. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange.
04/13 – Ongoing	**US 11 Environmental Assessment, DOTD, St. Tammany Parish, LA.** Traffic Engineer. Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, alternative development, and noise modeling for the proposed widening of US 11 between US 190 (Gause Blvd) and I-12 in Slidell, LA. The proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. This project includes analyzing several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.
11/20 – Ongoing	**I-10 CMAR, DOTD, East Baton Rouge Parish, LA / H.001400.** Traffic Engineer. Responsible for construction phasing modeling and evaluation to determine the impacts of various construction phasing scenarios and mitigation that will be required to minimize travel delays during construction. Construction phasing scenarios are being modeled using a calibrated mesoscopic model developed by Arcadis, which can estimate the effects of construction activities on the broader roadway network. Model results are being used to inform the Transportation Management Plan for the project.

16. Staff Experience:

Firm employed by Arcadis					
Name	Ari Deitch, PE, PTOE, PTP, RSP		Years of relevant experience with this employer	7	
Title	Traffic Engineer		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS / 2012 / Biological Engineering, Louisiana State University		
Active registration number / state / expiration date			PE.0041842 / LA / March 2022; PTOE #4346 / USA / November 2023 PTP #690 / USA / July 2022; RSP #37 / USA / December 2024; ATSSA TCT / TCS		
Year registered	2018	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Traffic Engineering / Mr. Deitch is a Transportation Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on projects for DOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to Stage 0 feasibility studies, transportation management plans, traffic, and safety studies, NEPA studies, pedestrian and bicycle improvements, access management, signal design, and signing and marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. Ari is ATSSA TCT and TCS certified.				

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).
05/19 - Ongoing	**DOTD, I-20 / I-220 Interchange Imp. and BAFB Access TMP and IMR, LA / H.003370.** Traffic Engineer. Responsible for development of addendum to Interchange Modification Report, Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20 / I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.
08/14 – 10/18	**DOTD, US 71 Corridor Traffic and Safety Study – Phase 1-3, Rapides Parish, LA / H.010824.** Traffic Engineer. Responsible for providing traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. Collected crash data for the most recent three years from DOTD crash database, analysed crash summaries and identified historical high-crash locations and over-representative crashes, determined crash types, frequencies and crash rates, reviewed individual crash reports to determine type and location of each crash, identified crash "hot-spot" locations, contributing factors for high-crash rates, and determined potential improvements.
11/20 – Ongoing	**DOTD, I-10 CMAR, East Baton Rouge Parish, LA / H.001400.** Traffic Engineer. Responsible for wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.
10/19 – Ongoing	**DOTD, I-10 New Orleans to Slidell Hard Shoulder Running, Orleans Parish, LA / H.013960.1.** Traffic Engineer. Responsible for the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Purpose of the project is to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor.

10/15-Ongoing	**DOTD, US 90 Business Signing Upgrades and TMP, Orleans and Jefferson Parishes, LA / H.010634.5.** Assistant Project Manager. Responsibilities include taking inventory of existing signs and structures, developing a signing layout plan for the project area in accordance with the latest state and federal policy guidance, developing signing plans through 100% final design stage, developing a Transportation Management Plan to be used during construction of the project, and coordinating reviews and submittals with DOTD Traffic Engineering Design Section. The purpose of the project is to replace all existing signs within the project area, which includes sections of I-10 and US 90 Business in and around New Orleans' Central Business District. This requires careful planning in the placement of signs and structures to accommodate the complex roadway network in this area. Arcadis completed the design plans and TMP in 2019, and is currently providing engineering support during construction of the project.
04/19 – 12/19	**DOTD, East Baton Rouge Parish Signal Detection Upgrades, East Baton Rouge Parish, LA / H.013830**. Traffic Engineer. Technical lead of project tasks involving field signal inventory and the creation of updated signal plans and quantities. The project includes 39 intersections identified in East Baton Rouge Parish to be upgraded from video detection to magnetometer detection.
04/19 – 12/19	**DOTD, US 90 Traffic Signal Timing Upgrades, Lafayette Parish, LA / H.012665**. Traffic Engineer. Technical lead of project tasks involving traffic data collection and analysis, signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal analysis using Synchro 10 software, and development of updated TSI forms following latest DOTD standards.
08/14 – 06/15	**DOTD, LA 3235 Stage 0 Feasibility Study, Lafourche Parish, LA / H.010688.1.** Traffic Safety Analyst. Responsible for review of existing crash data and traffic operations analysis, development of safety countermeasures, conceptual drawings, and Stage 0 documentation. DOTD Stage 0 Safety Study to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the LA 3235 corridor. The LA 3235 corridor was initially constructed as a high-speed roadway to facilitate truck traffic to and from Port Fourchon. Since its construction, numerous commercial and residential developments have created unsafe conditions along the corridor.
02/15 – 11/17	**DOTD, Intersection Feasibility Study. Evangeline Thwy, Johnston St, & Louisiana Ave, Lafayette Parish, LA / H.011408.** Traffic and Safety Analyst. Responsible for review of existing crash data, traffic operations analysis, and development of design alternatives. Objective is to develop alternatives for the intersection of Evangeline Thruway (US 167/90) and Johnston Street
01/17 – Ongoing	**MTA-TBTA, Tunnel Flood Barrier Systems Design-Build Project, NY** Traffic Engineer. Responsible for the development of a comprehensive Transportation Management Plan (TMP) and Maintenance and Protection of Traffic (MPT) Plans for the design and construction of permanent and deployable flood protection systems at the Hugh L. Carey Tunnel and the Queens Mid-Town Tunnel in New York City, New York. Specific tasks include selection and application of state and federal policy guidance to develop temporary traffic control plans and sequencing for various construction phases of the project, coordinating with state and local agencies to satisfy MPT notification requirements, and developing procedures for the implementation and removal of temporary traffic control devices and equipment.

16. Staff Experience:

Firm employed by	Arcadis				
Name	Kester Hollier, PE, PTOE		Years of relevant experience with this employer	1	
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization			BS / 2004 / Civil Engineering, Louisiana Tech University		
Active registration number / state / expiration date			PE.034304 / LA / March 2023; PTOE #3928 / USA / November 2024		
Year registered	2009	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Traffic Engineering / Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including feasibility studies, traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier has completed DOTD Traffic Engineering Process and Report Training.				

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).
05/14 – 08/20	**Causeway Blvd. at Earhart Expwy. Interchange, DOTD, Jefferson Parish, LA.** Traffic/Civil Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for DOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.
09/12 – 02/16	**Stage 0 Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, DOTD, Plaquemines Parish, LA.** Traffic Engineer. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.
11/20 – Ongoing	**I-10 CMAR, DOTD, East Baton Rouge Parish, LA.** Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation managemnet plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
06/13– 04/14	**US 190 Stage 0 Feasibility Study, DOTD, St. Tammany, LA.** Traffic Engineer. Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.

11/17 – 07/20	**LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA.** Project Manager / Traffic Engineer. Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the DOTD Traffic Engineering Process and Report Guidelines. The project also included a stand-alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
12/17 – 11/19	**Causeway Boulevard Widening Traffic Study, Jefferson Parish, LA.** Project Manager / Traffic Engineer. Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
10/18 – 01/19	**LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA.** Traffic Engineer. Responsible for the development of three alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns, as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
01/10 – 04/1 07/13 – 01/14	**Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA.** Traffic Engineer. Responsible for the design of new traffic signals at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also responsible for the design and layout of the fiber optic interconnect along the proposed extension.
05/09 – 07/13	**LA 23 Widening (Lapalco Blvd. – Engineers Rd.), DOTD, Jefferson and Plaquemines Parishes, LA.** Traffic/Civil Engineer. Responsible for the roadway design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed traffic analysis for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.
10/10 – 7/15	**Barriere Road Feasibility Study/Traffic Study, US Department of Defense, Plaquemines Parish, LA**. Civil/Traffic Engineer. Responsible for the geometric layout and design of the realignment alternatives of Barriere Rd. between LA 23 to the US Naval Air Station. Developed and reviewed traffic analysis for arrival and departure patterns for the South US Naval Air Station entrance gates.

16. Staff Experience:

Firm employed by Arcadis					
Name	Greg Badon		Years of relevant experience with this employer	10	
Title	NEPA Specialist / Environmental Lead		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			BS / 2008 / Natural Resource Management, Louisiana State University		
Active registration number / state / expiration date			United States Army Corps of Engineers (USACE) 1987 Manual Wetland Delineation Training (Completed 2012); Traffic Control Technician – LA Specific (Completed 2015); National Highway Institute (NHI) Course 142073 Applying Section 4(f). Putting Policy into Practice (Completed 2017); NHI Course 142005 National Environmental Policy Act (NEPA) and the Decision-making Process (Completed 2017).		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Environmental Scientist / Mr. Badon has an extensive background conducting and/or reviewing all components and technical studies required by NEPA. He has been responsible for Environmental Impact Statement, Environmental Assessment, and CE document preparation, highway-traffic noise analysis, socioeconomic impacts, existing conditions documentation, wetland delineations/biological resource surveys, property-owner research, and addressing public comments through agency coordination, public outreach, and involvement. By having the experience to know what is required and expected under NEPA, he can effectively manage projects as they move though the NEPA process.				

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).
05/12 – 11/21	**DOTD, US 165 Connector and Ouachita River Bridge Environmental Impact Statement, Ouachita Parish, LA.** Deputy Project Manager responsible for Section 4(f) resource documentation and investigation, property owner information, coordination with local agencies and stakeholders, an exhaustive wetland inventory/National Wetlands Inventory ground-truthing investigation, biological resources and Threatened and Endangered Species review/ documentation, and a wetland delineation. Also coordinated with Louisiana Department of Wildlife and Fisheries on property exchange and plans for the Chauvin Swamp Tract Wildlife Management Area.
03/17 – Ongoing	**DOTD, I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement, St. Mary Parish, LA.** Project Manager following the December 2006 Record of Decision, DOTD determined that the estimated cost for this segment of I-49 exceeded available resources and the corridor. Efficiencies would need to be developed to upgrade the existing US-90 to Interstate I-49 by constructing a safe corridor while minimizing impacts to businesses, residents, wetlands, and farmlands flanking the corridor. Responsible for project schedule, budget, agency coordination and project updates. Also responsible for public/stakeholder outreach & oversight, existing conditions documentation, field work, purpose and need development, and completion of DOTD's Environmental Checklist.
12/13 – On Hold	**DOTD, Pete's Highway / I-12 EA / IMR and Alternatives, Livingston Parish, LA.** Project Manager. Known regionally as one of the most congested interchanges of I-12, Range Road (LA 3002) has been the bane of commuters for years. Responsible for public outreach and coordination, DOTD Environmental Checklist, acquisition of property owner info and report documentation.

05/13 – On Hold	**DOTD, Florida Avenue Environmental Assessment, Orleans and St. Bernard Parishes, LA.** Project Manager and Public Information Officer responsible for public/stakeholder outreach oversight, agency coordination. Coordinated an effort for extensive public meeting notifications and outreach. Oversaw the distribution of door-hangers, radio announcements, advertisements in community papers, press releases, and venue setup. Developed the layout for the open-house public meeting and the looping presentation. Oversaw development of public meeting boards, comment cards, and sign-in sheets. Presented project plans to city council, homeowner organizations, neighborhood associations, and federal agencies as well as the local planning commission. Responded to questions received from the public and summarized meeting attendance and turnout in a public meeting summary document.
12/13 – 08/17	**Louisiana Department of Transportation and Development (DOTD), LA 3235 Stage 0 Safety Study, Lafourche Parish, LA**. Project Scientist responsible for Stage 0 Preliminary Scope and Budget and Environmental Checklists, Purpose and Need, environmental inventory and public outreach. Following the DOTD Stage 0 Manual of Practice, all environmental resources within the study area were reviewed for potential impacts. Required right-of-way was determined and geometric layouts and cost estimates were generated.
03/19 – 07/20	**DOTD, Baton Rouge Pedestrian-Bicycle Safety Action Plan / Stage 0 Feasibility Study, Baton Rouge, LA.** Project Manager responsible for the development and delivery of a Pedestrian and Bicycle Safety Action Plan for the City of Baton Rouge. Responsibilities include completing a review of crash data, identification of priority locations, and creation of targeted countermeasures based on roadway type. The second phase of the project will allow for the development of detailed studies at the top 10 identified locations where safety countermeasures such as low-cost pedestrian and bicycle facility improvements.
08/19 – 01/21	**East Baton Rouge City- Parish, Alphonse Forbes Road at Sandy Bayou Bridge Replacement, Watson, LA.** Project Scientist. The Alphonse Forbes Road bridge was closed and Arcadis was selected by the City-Parish to complete a design study, topographic survey, and preliminary and final designs. Developed a solicitation of views (SOV) packet, which was distributed to elected officials as well as government agencies. The SOV provided background information, which allowed the USACE to provide guidance as to the format and permit they would expect in order to replace the bridge over U.S. Wetlands.
03/12 – 05/13	**I-20 Economic Development Corporation, LA 594 (Millhaven Rd.) Stage 0 Compliant Study, Ouachita Parish, LA.** Project Scientist responsible for Stage 0 Preliminary Scope and Budget and Environmental Checklists, Purpose and Need development, and environmental inventory. Following the DOTD Stage 0 Manual of Practice, all environmental resources within the study area were reviewed for potential impacts. Required right-of-way was determined cost estimates were generated.

16. Staff Experience:

Firm employed by Arcadis					
Name	Jason Morrell, PWS		Years of relevant experience with this employer	9	
Title	Senior Ecologist / Project Manager		Years of relevant experience with other employer(s)	13	
Degree(s) / Years / Specialization			BS / 1999 / Agriculture, University of Georgia		
Active registration number / state / expiration date			Professional Wetland Scientist – #2319 / USA / April 2023		
Year registered	2013	Discipline	Wetland Science		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Environmental Lead / Mr. Morrell has over 20 years of experience in environmental planning and ecology in the southeastern U.S. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. His area of expertise includes wetland studies, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has worked almost exclusively on transportation projects and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology.				

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).
04/21 – Ongoing	**Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, DOTD, Multiple Parishes, LA.** Project Manager and Environmental Lead for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of Solicitation of Views, Wetland Studies, Programmatic Categorical Exclusion Checklists, and permitting including USACE Nationwide Permits (NWPs) and Louisiana Department of Natural Resources Coastal Use permits.
04/16 – Ongoing	**Pete's Highway Interchange Alternative and Environmental Assessment, DOTD, Livingston Parish, LA.** Ecologist: Led a wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the NEPA Environmental Assessment.
09/2019 – Ongoing	**Environmental Support Services IDIQ Contract, GDOT, Statewide, GA**. Project Manager and Ecology Lead: Responsible for management of embedded (support services) ecology and NEPA staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT Office of Environmental Services (OES) including guidebooks and toolkits to update the Environmental Procedures Manual, training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.

07/14 – 07/19	**Statewide Ecology Services IDIQ Contract GDOT, Statewide, GA.** Deputy Project Manager and Ecology Lead: Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call environmental studies providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting NEPA documentation for federally funded infrastructure development and improvement projects. Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and providing recommendations to GDOT for best management practices.
12/15 – 11/18	**Railroad Bridge Replacements, Confidential Class I Railroad Client, Louisiana and Texas**. Lead Ecologist: Responsible for wetland delineation and protected species habitat assessments for replacement of two structurally deficient railroad bridges. Completed wetland findings report, including required exhibits, and calculated impacts to streams and wetlands for bridge replacements. Coordinated with design for impact avoidance and minimization and provided technical review of a NWP 14 Pre-Construction Notification (PCN), including permit sketches, submitted to the USACE Fort Worth District.
10/15 – 04/18	**North Bayou Black Drive/Hanson Canal Bridge (OSBP) – DOTD, Terrebonne Parish, LA**. Ecologist: Completed a technical review of the Biological Resources and Wetland Findings Report, including required exhibits, prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.
07/16 – 03/18	**Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA.** Ecologist: Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville's Wastewater Treatment Facility, pond levees, and the Parish's only access road (Ferdinand Street) to the Mississippi River. Completed a wetland delineation and protected species habitat assessment within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which USACE authorization was successfully obtained.
11/15 – 12/16	**SR 234 at Chickasawhatchee Creek Bridge Replacement, GDOT, Calhoun and Dougherty Counties, GA.** Lead Ecologist: Responsible for ecology reporting, Section 404 permitting, and Section 7 Endangered Species Act (ESA) consultation for replacement of a load-limited, structurally deficient bridge over Chickasawhatchee Creek 8 miles north of Leary, GA. Prepared a Biological Assessment for the federally listed mussel species and designated critical habitat including development of special provisions to be included in contract documents for species protection. Based on this Biological Assessment, USFWS issued a Biological Opinion concurring with the recommended biological determination to support project NEPA documentation. Successfully obtained an Individual Section 404 Permit for stream and wetland impacts associated with bridge replacement and roadway improvements, including review and coordination of permit sketches.
04/13 – 11/16	**I-75 South Managed Lanes Design-Build (DB), C.W. Matthews Contracting Co., Henry/Clayton Counties, GA**. Lead Ecologist for 19-mile express toll lanes on I-75, including a 417-foot-long dedicated access ramp bridge spanning a large wetland and stream system associated with Crittle Creek. Responsibilities included field verification of resource delineation by others, Section 404 Clean Water Act permitting, and a state stream buffer variance application. Jason collaborated with project engineers and the DB contractor to identify permanent and temporary construction impacts prior to permitting and feasible impact avoidance and minimization measures. He coordinated with GDOT and the USACE for pre-construction environmental clearance, as well as under construction compliance. The DB team successfully obtained a NWP 14 for the overall project ahead of schedule and a NWP 33 for temporary impacts for bridge construction.

16. Staff Experience:

Firm employed by Arcadis			
Name	Jayun Thibodeaux	Years of relevant experience with this employer	2
Title	Ecologist	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BS / 2017 / Environmental Management Systems, Louisiana State University	
Active registration number / state / expiration date		Relevant Training: Basic Wetland Delineation training by WTI (2018)	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Wetland Studies / Mr. Thibodeaux is an Ecologist in the Arcadis Baton Rouge, Louisiana office with over five years of experience completing wetland studies for DOTD projects. He has experience conducting delineations of wetlands and other waters of the US (WOTUS) and threatened and endangered species surveys throughout Louisiana, Arkansas, Texas, Mississippi, and Alabama. Mr. Thibodeaux has served as the technical lead and project manager for projects requiring permit coordination with the US Army Corps of Engineers (USACE), Louisiana Department of Natural Resources (LDNR), Louisiana Department of Environmental Quality (LDEQ), as well as National Environmental Policy Act (NEPA) reviews for federal agencies.		

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).
04/21 – Ongoing	**Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, DOTD, Multiple Parishes, LA.** Ecologist. Responsible for leading fieldwork for wetland studies and authoring Wetland Findings Reports for 16 state projects involving replacement of 29 state highway bridges. Prepared GIS figures to support Solicitation of Views and wetland studies. Additional responsibilities include preparing required permit applications on behalf of DOTD for bridge replacement projects including USACE Section 404 Clean Water Act Nationwide Permits (NWPs) and Joint Applications for NWPs and LADNR Coastal Use Permits.
04/20 – Ongoing	**LA 82 Improvement, Sabine Pass LNG, LP, Cameron Parish, LA.** Ecologist. Assisted in preparation of environmental resource reports and data analysis for submittal to the Federal Energy Regulatory Commission (FERC) for approval under the Natural Gas Act (NGA). Prepared ecology report, a Section 404 permit application, Section 7 Endangered Species Act documentation, and created figures utilizing GIS for the LA 82 improvements and modifications to the liquefied natural gas (LNG) facility entrance.
02/19 – 04/19	**Holton Harris Road Bridge, Monroe & Corie, Inc., LP, Over Lake Vernon in Vernon Parish, LA**. Ecologist. Conducted a delineation of wetlands and other WOTUS for the replacement of an 80-foot long by 18-foot-wide timber bridge on Holton Harris Road, crossing Vernon Lake located south of the City of Anacoco, Louisiana. Responsible for preparing a preliminary environmental finding report and submitting a Nationwide Permit 14 Pre-Construction Notification.
05/20 – Ongoing	**Louisiana Coastal Use Permit Submittal – COP Stratco, Terrebonne Parish, LA.** Technical Lead. Responsible for developing and preparing guidance documents, resource reports, and identifying potential impacts for a Joint Permit Application with the LDNR, OCM, and the USACE New Orleans District. The project involves the removal of several structures including abandoned oil wells, flowlines, and a barge that served as a well pad located in the Louisiana Coastal Zone. Reviewed available data to identify potential impacts to oyster leases, pre-existing pipelines/crossings, and prop washing zones. Created GIS figures to illustrate project location(s), path, access, and oyster leases in accordance with LDNR and OCM's guidelines.

16. Staff Experience:

Firm employed by Arcadis			
Name	Sara Moore	Years of relevant experience with this employer	18
Title	Biologist	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MPA / Year Graduated / Environmental Policy, Indiana University-Bloomington MS / 2002 / Environmental Science, Indiana University-Bloomington BS / 2000 / Environmental Science, West Virginia Wesleyan College	
Active registration number / state / expiration date		Qualified Hydrologic Professional - TN-QHP – 1190-TN19 / TN	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Environmental Scientist, Permitting / Ms. Moore has more than 22 years of experience in conservation ecology, environmental policy, natural resource management, and federally protected species policy. Her experience includes wetland delineations associated with Section 404 permitting, mitigation monitoring, threatened and endangered species surveys and protection, terrestrial biomass evaluation, amphibian survey and identification, avian banding and monitoring, and water quality sampling. Other policy experience includes National Environmental Policy Act (NEPA) documentation, Section 404 permitting under the Clean Water Act, public negotiation of new legislation and governmental regulations, environmental report preparation and documentation, and environmental education. Ms. Moore's extensive environmental experience has been developed through work with federal and state government, private consulting, and university research.		

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).
01/2015– Ongoing	**Bridge Repair or Replacement 404 Permitting Projects, Confidential Client, Ten Sites in GA, NC, and SC**. Associate Project Manager and Lead Ecologist. Responsible for management and performance of wetland delineation, Section 404 Nationwide Permit, mitigation credit purchase, and permit compliance for repair or replacement of 14 bridges. Perform lead field duties, including wetland delineation, stream classification, global positioning system (GPS) survey, and threatened, endangered, and sensitive species survey for the railroad siding corridor. Write corresponding Section 404 Nationwide Permit and provide coordination with federal and state regulatory agencies. Organize resources for preparation and submittal of the land disturbance permits, review design engineering plans and erosion and sediment control plans and perform NPDES inspections for permit compliance. Perform quality assurance/quality control (QA/QC) of erosion and sediment control plans, NPDES permit application, Notice of Intent submittal, and permit compliance inspections.
01/2015 – Ongoing	**Wildberry, Latitude, and Providence Solar Array Development Ecological Services, Coronal Development Services LLC, Silicon Ranch Corporation, and Tennessee Valley Authority (TVA), Fayette, Hardeman, and Madison Counties, TN.** Lead Onsite Ecologist & Ecological NEPA Author. Responsible for the ecological sections of the Environmental Assessments (EAs) and Bat Habitat Survey responsible for performing wetland and stream delineations and endangered or threatened gray, Indiana, and northern long-eared bat habitat surveys of three solar array development sites on properties ranging in size from 150-350 acres in Moscow, Whiteville, and Denmark, Tennessee. Performed lead field duties, including wetland delineation, stream classification, GPS survey, threatened and endangered bat habitat analysis, and threatened, endangered, and sensitive species survey for the solar development sites. Lead the team to prepare and submit the USACE Jurisdictional Determinations for the Section 404 and advised on USACE permitting.

01/14 – 01/17	**Arkansas River Pipeline Wetland Delineation, ExxonMobil Pipeline Company (EMPCo), Mayflower, AR**. Lead Onsite Ecologist. Responsible for performing wetland and stream delineation of a 0.5-mile-long pipeline in Mayflower, Arkansas. Performed lead field duties, including wetland delineation, stream classification, GPS survey, and threatened, endangered, and sensitive species survey for the pipeline and access road corridor. Assisted with Section 404 permitting. Coordinated with engineers and client's property manager.
01/12 – Ongoing	**Mitigation Monitoring and Reporting, GDOT, Various Counties, GA.** Biologist. Conducted Georgia DOT wetland mitigation vegetative monitoring and groundwater well installation for various wetland mitigation sites. Annual monitoring included vegetative sampling and analysis, hydrologic assessment, and wildlife establishment. Yearly monitoring was followed by report preparation and coordination with Georgia DOT to finalize results. Project included interpreting right-of-way documentation and legal acquisitions of land and writing restrictive covenants for establishing mitigation banks.
01/13 – 01/15	**East Shelby Road Property Acquisition Phase 1 Environmental Site Assessment, Burlington Northern Santa Fe Railway, Memphis, TN.** Lead Onsite Ecologist. Responsible for performing a Phase 1 environmental site assessment on a proposed property acquisition and authored the report for the assessment of findings.
01/18– 01/20	**SR-396/Saturn Parkway Extension DB, TDOT Maury County, TN. Ecologist, Permit Writer, and Mitigation Designer.** Responsible for the construction of three projects involving roadway improvements and a new location roadway. Project work includes survey, ecological studies, stream design, permitting, EPSC design and lighting design. The project involves relocation of 200' of stream and mitigation, new culvert and bridge crossings, re-evaluation of a D-List Categorical Exclusion Document, and extensive permitting including a USACE Section 404 Permit, TDEC Individual Aquatic Resource Alteration Permit and three NPDES Construction General Permits.
01/20 – Ongoing	**TC Energy Gulf and West Digs Projects 2017, 2019, 2020, and 2021, TC Energy, Various Locations, TN, MS, AR, and LA.** Lead Onsite Ecologist. Responsible for performing wetland and stream delineations of multiple dig locations. Performed lead field duties including wetland delineation, stream classification, GPS survey, and threatened, endangered, and sensitive species survey for the pipeline and access road corridor. Leads the Tennessee Section 404 permitting, agency coordination, and final reporting. Lead site inspector for environmental inspections on completed projects. Serves as health and safety coordinator. Coordinated with engineers and client's property manager.
01/20 – Ongoing	**CSXT Bridge Repair or Replacement 404 Permitting Projects, Confidential Client, AL, GA, NC, and SC.** Associate Project Manager and Lead Ecologist. Responsible for management and performance of wetland delineation, Section 404 Nationwide Permit, mitigation credit purchase, and permit compliance for repair or replacement of 16 bridges. Perform lead field duties including wetland delineation, stream classification, global positioning system (GPS) survey, and threatened, endangered, and sensitive species survey for the railroad siding corridor. Write corresponding Section 404 Nationwide Permit and provide coordination with federal and state regulatory agencies. Organize resources for preparation and submittal of the land disturbance permits review design engineering plans and erosion and sediment control plans, and perform NPDES inspections for permit compliance. Perform QA/QC of EPSC plans, NPDES permit application, Notice of Intent submittal, and permit compliance inspections. Coordinate with client contacts, project managers, engineers, and contractors through initial site visits, constructability strategy sessions, and preconstruction meetings, and outline permit.
01/20 – Ongoing	**Multiple Derailments Environmental Permitting Compliance Incident Response, Union Pacific Railroad, Various Locations, AR.** Lead Onsite Ecologist. Responsible for implementation of Section 404 Nationwide Permit and NPDES inspections for permit compliance. Perform lead field duties, including wetland delineation, stream classification, and threatened, endangered, and sensitive species consult for the emergency railroad bridge repair projects. Collaborates extensively with the client engineers, engineering consultant, landowners, and contractors to develop onsite engineering design and construction methods to make emergency repairs to a railroad bridge.

16. Staff Experience:

Firm employed by NTB Associates, Inc.					
Name	Bryan T. Bunch, PLS		Years of relevant experience with this employer	13.5	
Title	Executive Vice President		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			BS, Survey and Land Information Systems, University of Arkansas Little Rock		
Active registration number / state / expiration date			5014 / LA / March 31, 2024		
Year registered	2009	Discipline	PLS		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Mr. Bunch will serve as NTBA Project Manager for topographic surveying services during this contract. Bryan will manage survey crews, processing, drafting, and submittals.				

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).
08/21 – 06/22	**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, and 58 (4400019337)** Project Manager directing survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/21 – 06/22	**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Project Manager directing survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for 21 bridge and culvert replacements as a sub-consultant to Sigma.
12/20 – 03/22	**DOTD LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge repair/ rehabilitation.
05/15 – 12/20	**City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)** QC Surveyor supervised south LA crew members and technicians for topographic surveying services for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
12/17 – 07/20	**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation.
07/19 – 02/20	**DOTD I-10: Loyola Interchange, Kenner, Jefferson Parish, LA (H.011670)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services as a sub-consultant to Forte & Tablada, Inc.

12/18 – 01/20	**DOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of SUE for road rehabilitation and bridge replacement.
03/19 – 10/19	**DOTD US 167, LA 2: Middle Slough & Creek Bridges, Union Parish, LA (4400009385 & H. 012037.5)** Assistant Project Manager assisted in the supervision of survey crews, file processing, drafting, and submittals for topographic surveying services.
06/18 – 10/18	**DOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC, Inc.
05/16 – 06/18	**DOTD LA 675 & LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 & 4400006814)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for drainage rehabilitation as a sub-consultant to Stanley Consultants, Inc.
12/15 – 06/17	**DOTD Cotton to Silo Bridge Replacement, St. Mary Parish, LA (4400003592 & H.001723.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services as a sub-consultant to Denmon Engineering.
07/16 – 03/17	**DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services.
05/16 – 12/16	**DOTD I-110: Interchange Modifications, East Baton Rouge Parish, LA (4400006527 & H.012422.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services.
10/15 – 07/16	**DOTD MacArthur Interchange Completion Phase II, Route US 90-Z, Jefferson Parish, LA (4400005142 & H.011309.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services as a sub-consultant to SDR Engineering.
04/15 – 02/16	**DOTD I-20 (Airline Drive to I-220) Bossier Parish, LA (4400005532 & H.011319.5)** Assistant Project Manager supervised south LA crew members and technicians for topographic surveying services.
04/15 – 09/15	**DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5)** Assistant Project Manager assisted in the supervision of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
02/14 – 03/15	**DOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to AECOM.
07/12 – 01/14	**DOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to GEC, Inc.
07/12 – 06/13	**DOTD I-10 Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to GEC, Inc.
07/10 – 10/12	**DOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538)** Project Surveyor assisted in the supervision of survey crews, file processing, drafting, and submittals for topographic surveying services.
01/12 – 04/12	**DOTD I-12 Walker to Satsuma, Livingston Parish, LA (4400001798 & H.009836.5)** Project Surveyor assisted in the supervision of survey crews, file processing, drafting, and submittals for topographic surveying services.

16. Staff Experience:

Firm employed by NTB Associates, Inc.					
Name	Mike J. King, PLS		Years of relevant experience with this employer	16	
Title	Staff Surveyor		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS, Construction Management, Louisiana State University		
Active registration number / state / expiration date			5127 / LA / September 30, 2023		
Year registered	2015	Discipline	PLS		
Contract role(s) / brief description of responsibilities	**Contract Role / Responsibilities:** Mr. King will serve as NTBA Assistant Project Manager for topographic surveying services during this contract. He will assist Bryan Bunch with the supervision and management of survey crews, file processing, drafting, and submittals.				

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).
08/21 – 06/22	**DOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, and 58 (4400019337)** Assistant Project Manager assisting in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/21 – 06/22	**DOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338)** Assistant Project Manager assisting in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for 21 bridge and culvert replacements as a sub-consultant to Sigma.
12/20 – 03/22	**DOTD LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge repair/ rehabilitation.
12/20 – 03/21	**DOTD LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5)** Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
05/15 – 12/20	**City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15)** QC Surveyor reviewed data and drafting for topographic surveying services.
12/17 – 07/20	**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (H.004100.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation.

07/19 – 02/20	**DOTD I-10: Loyola Interchange, Kenner, Jefferson Parish, LA (H.011670)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services as a sub-consultant to Forte & Tablada, Inc.
12/18 – 01/20	**DOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services for road rehabilitation and bridge replacement.
03/19 – 10/19	**DOTD US 167, LA 2: Middle Slough & Creek Bridges, Union Parish, LA (4400009385 & H. 012037.5)** QC Surveyor reviewed data and drafting for topographic surveying services for bridge rehabilitation/ design for two separate bridge site locations.
06/18 – 10/18	**DOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a sub-consultant to GEC, Inc.
05/16 – 06/18	**DOTD LA 675 & LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 & 4400006814)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for drainage rehabilitation as a sub-consultant to Stanley Consultants, Inc.
12/15 – 06/17	**DOTD Cotton to Silo Bridge Replacement, St. Mary Parish, LA (4400003592 & H.001723.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services as a sub-consultant to Denmon Engineering.
07/16 – 03/17	**DOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services.
05/16 – 12/16	**DOTD I-110: Interchange Modifications, East Baton Rouge Parish, LA (4400006527 & H.012422.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services.
10/15 – 07/16	**DOTD MacArthur Interchange Completion Phase II, Route US 90-Z, Jefferson Parish, LA (4400005142 & H.011309.5)** Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveying services as a sub-consultant to SDR Engineering.
04/15 – 02/16	**DOTD I-20 (Airline Drive to I-220) Bossier Parish, LA (4400005532 & H.011319.5)** QC Surveyor reviewed data and drafting for topographic surveying services.
04/15 – 09/15	**DOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5)** QC Surveyor reviewed data and drafting for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
02/14 – 03/15	**DOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5)** Sr. Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to AECOM.
07/12 – 01/14	**DOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Sr. Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to GEC, Inc.
07/12 – 06/13	**DOTD I-10 Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5)** Sr. Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection as a sub-consultant to GEC, Inc.
07/10 – 10/12	**DOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538)** Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services.
01/12 – 04/12	**DOTD I-12 Walker to Satsuma, Livingston Parish, LA (4400001798 & H.009836.5)** Survey Party Chief/Tech. managed a survey crew and processed data for topographic surveying services.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic, Bridge, Geotech
Project name	I-12 Widening from LA 21 to US 190	Firm responsibility (prime or sub?)	Prime
Project number	H.013866	Owner's name	DOTD
Project location	St. Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier, PE, PMP
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1185, jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)	$981
Services completed by this firm (mm/yy)	09/21	Cost of consultant services provided by this firm ($1,000's)	$963

Firm's Role Stanley Consultants provided all engineering services required for preliminary and final roadway design plans. Stanley Consultants also prepared complete bridge design plans, geotechnical services, Independent Cost Estimation, and Critical Path Modeling.

Project Description The scope of this project included the widening of I-12 between LA 21 and US 190. This included the **inside widening** to add an additional 3rd lane in each direction, outside widening to implement **auxiliary lanes**, develop a **median barrier wall** the full length of the project, and provide lighting along the entire project corridor. This project also required interstate ramp access to be modified for the auxiliary lanes, and the significant widening of the Tchefuncte river bridge.

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Blake Roussel, PE, PMP
- Adam Fields, PE
- Jared Blohowiak, PE
- Kayla Lafitteau, EIT
- Jackie Wood
- Luis Santana, PE
- Dan Shiosaka, PE, SE

This project is identical in scope of work to the I-20 Widening/Ovrly (Vancil Rd - LA 34) project.

PROJECT SUCCESS

The Stanley Consultants Team used its diverse and talented team to complete this project for DOTD under a very accelerated design schedule.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic, Geotech, Bridge
Project name	I-12 Widening from LA 1077 to LA 21	Firm responsibility (prime or sub?)	Prime
Project number	H.013866	Owner's name	DOTD
Project location	St. Tammany Parish, LA	Owner's Project Manager	Jacob Fusilier, PE, PMP
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA, 225.379.1185, jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost ($1,000's)	$1,775
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm ($1,000's)	$1,040

Firm's Role Stanley Consultants provided all engineering services required for preliminary and final roadway design plans. Stanley Consultantsalso prepared complete bridge design plans, geotechnical services, Independent Cost Estimation, and Critical Path Modeling.

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Blake Roussel, PE, PMP
- Adam Fields, PE
- Jared Blohowiak, PE
- Kayla Lafitteau, EIT
- Jackie Wood

Project Description This project scope was to widen 2.4 miles of I-12 from LA 1077 to LA 21. It included widening to the inside (EB & WB) to provide an additional Thru lane, develop a median barrier wall, provide lighting along the corridor, and mill and overlay the section prior to the widening. In summary this project **converted this section of interstate from an existing 4-lane to a six-lane freeway with a median barrier and lighting**.This project also required **interstate ramp access modification** for the final lane drop, and the significant widening of the LA 21 overpass bridge.

This project is identical in scope of work to the I-20 Widening/Ovrly (Vancil Rd - LA 34) project. Please also note that the fee listed in the advertisement is very similar to the fee for this project. Stanley Consultant has the capability to handle a project of this size and complexity.

PROJECT SUCCESS

The Stanley Consultants Team will utilize its design and engineering during construction experience to the benefit of the I-20 Widening project.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Planning, Environmental
Project name	I-10 at Loyola Interchange Improvements	Firm responsibility (prime or sub?)	Sub
Project number	H.011670	Owner's name	DOTD
Project location	Jefferson Parish, LA	Owner's Project Manager	Alison Catarella-Michel, PE (Urban Systems)
Owner's address, phone, email	400 North Peters Street, New Orleans, Baton Rouge, LA, 504.523.5511, acmichel@urbansystems.com		
Services commenced by this firm (mm/yy)	12/16	Total consultant contract cost ($1,000's)	$206
Services completed by this firm (mm/yy)	12/18	Cost of consultant services provided by this firm ($1,000's)	N/A

Firm's Role Stanley Consultants was responsible for performing data inventory of readily available documentation in relation with Louis Armstrong New Orleans International Airport (MSY) and alternative development inclusive of Line and Grade.

Project Description. This project included all necessary engineering and related services to prepare an **IMR** in accordance with the NEPA process. We were also responsible for developing all geometrics and plans for the Diverging Diamond Interchange Alternative as part of the Loyola/I-10 Interchange Environmental Assessment Report. We attended and helped present at the **Public Meeting.**

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Adam Fields, PE
- Jackie Wood

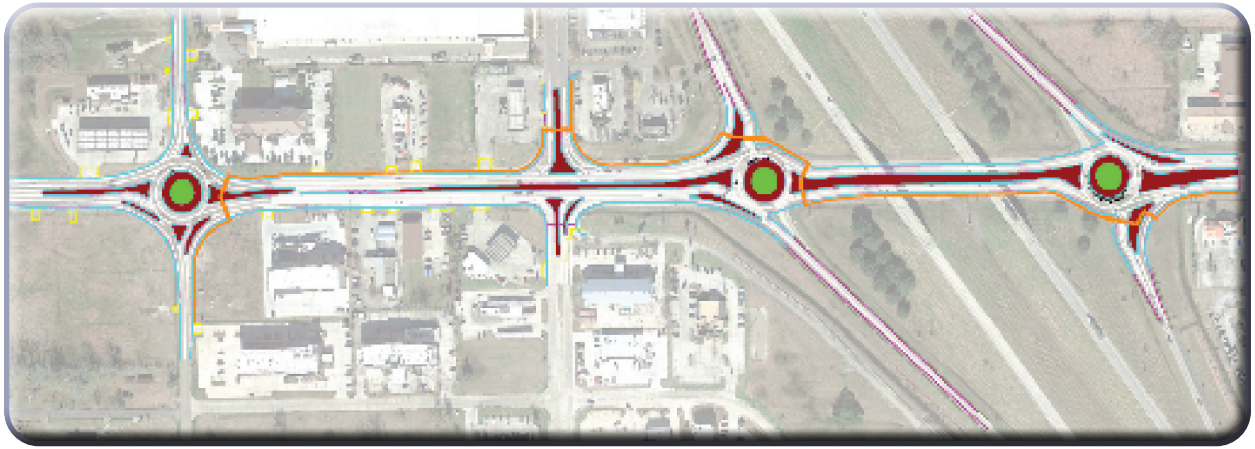
PROJECT SUCCESS

Stanley Consultants performed a line and grade design of a Divergent Diamond Interchange (DDI). This interchange line and grade shows additional interstate geometric design experience.

17. Firm Experience:

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	DOTD
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)	$645
Services completed by this firm (mm/yy)	07/22	Cost of consultant services provided by this firm ($1,000's)	$475

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.

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Adam Fields, PE
- Rob Pratt, PE
- Jared Blohowiak, PE
- Kayla Lafitteau, EIT
- Jackie Wood

"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 Project Manager

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

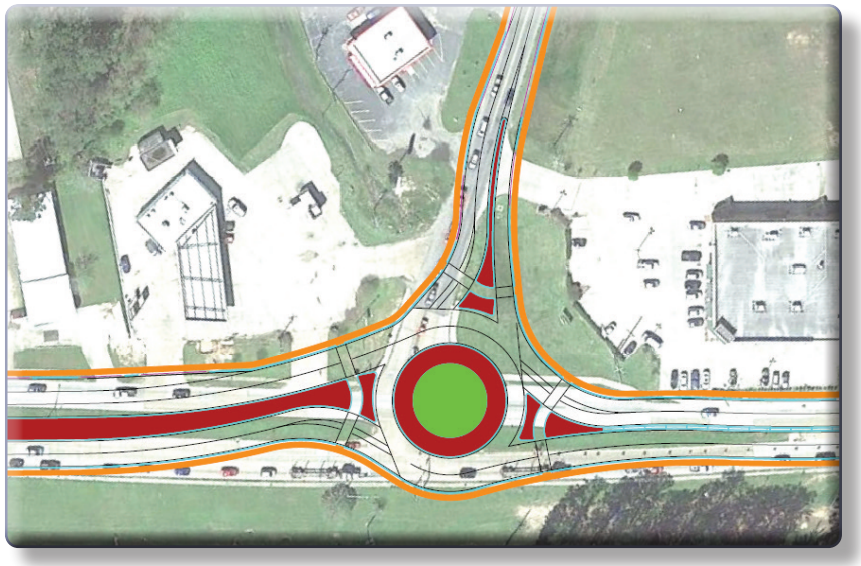
PROJECT SUCCESS

The addition of multiple roundabouts in this corridor greatly diminished the availability of ROW needed to incorporate a complete streets section. Stanley Consultants worked closely with DOTD and local stakeholders to develop a plan that provided for the desired multi-modal movements.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project name	US 171 at Boone Street	Firm responsibility (prime or sub?)	Prime
Project number	H.011909.5	Owner's name	DOTD
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, 225.242.4640, joshua.harrouch@la.gov		
Services commenced by this firm (mm/yy)	4/17	Total consultant contract cost ($1,000's)	$641
Services completed by this firm (mm/yy)	9/19	Cost of consultant services provided by this firm ($1,000's)	$413

Firm's Role Stanley Consultants was responsible for the engineering design development of a new multi-lane (Hybrid) roundabout at the intersection of US 171 and Boone Street to improve safety and efficiency.



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.

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Adam Fields, PE
- Jared Blohowiak, PE
- Jackie Wood

What our clients are saying "… the consultant always exceeded expectations and consistently represented themselves and the department very well."

Project Evaluation Narrative
DOTD Project Manager

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.

17. Firm Experience:

Firm name	Marrero, Couvillon & Associates, LLC.	Past Performance Evaluation Discipline(s)*	Road
Project name	I-10 Highland to LA 73 Design-Build Project	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	East Baton Rouge Parish
Project location	Ascension and East Baton Rouge Parish	Owner's Project Manager	Robert Lear, P.E. (Sigma)
Owner's address, phone, email	10305 Airline Highway, Baton Rouge, LA 70816, (225) 298-0800 rlear@sigmacg.com		
Services commenced by this firm (mm/yy)	07/17	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	11/20	Cost of consultant services provided by this firm ($1,000's)	$48

Firm's Role MCA's scope of services was to provide electrical engineering and design for lighting for the I-10 widening project from Highland to LA 30 design-build.

Project Description The proposed lighting improvements included the replacement and upgrade of roadway lighting at locations of pre-existing lighting where the illumination and underpass lighting which will no longer meet standards or functionality due to modifications of the existing roads, bridges, alignment, and geometry of this project.

Members involved that are used in this proposal:

- Robert Mejia, PE
- Christian Schade, PE

17. Firm Experience:

Firm name	Marrero, Couvillon & Associates, LLC.	Past Performance Evaluation Discipline(s)*	Road
Project name	Bayou LaLoutre Bridge Rehabilitation	Firm responsibility (prime or sub?)	Sub
Project number	4400000641	Owner's name	DOTD
Project location	Yscloskey, St. Bernard Parish, LA	Owner's Project Manager	John Richard (TRC)
Owner's address, phone, email	Two United Plaza, Suite 502, 850 United Plaza Blvd, Baton Rouge, LA 70809		
Services commenced by this firm (mm/yy)	01/12	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	03/20	Cost of consultant services provided by this firm ($1,000's)	$225,000

Firm's Role MCA's scope of services was to perform a complete electrical rehabilitation, including new lighting panels, switchboards and electrical design for a new two story operator house

Project Description Bayou LaLoutre Bridge is a vertical lift bridge on LA 46 in Yscloskey, La., St. Bernard Parish. The total project was to provide final plans and technical specifications for cleaning, painting, electrical and structural repairs, and construction engineering services.

Members involved that are used in this proposal:

- Orien Butler, PE

The scope of services included:

- Site inspection to identify all architectural and mechanical systems to be rehabilitated, including modifications needed to meet codes and regulations, or to improve functionality and reliability.
- Prepare a scope of work document with associated costs
- Preliminary plans
- Final plans and specifications
- Construction cost estimate
- Construction related engineering support

17. Firm Experience:

Firm name	Marrero, Couvillon & Associates, LLC.	Past Performance Evaluation Discipline(s)*	Road
Project name	Pecue Lane	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	East Baton Rouge City-Parish Government
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Gary McClure (Shread-Kuyrkendall
Owner's address, phone, email	1300 Justice Ave., Suite 16, Baton Rouge, LA 70816, (225) 296-1335, gmcclure@skaengr.com		
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$131

Firm's Role Design Roadway Lighting.

Project Description Lighting design along Pecue Lane from the control of access points north and south of the roadway. Currently, there is no access to I-10 from Pecue Lane and the existing Pecue Lane consists of 2 traffic lanes. The existing overpass will be removed and replaced with two overpass structures, with 3 lanes in each direction. Pecue Lane will be reconstructed to a curb and gutter section, with a raised median and 3 lanes in each direction. South of I-10 there will be two bridge structures for Pecue to cross Ward's Creek.

Members involved that are used in this proposal:

- Robert Mejia, PE
- Christian Schade, PE

17. Firm Experience:

Firm name	Arcadis	Past Performance Evaluation Discipline(s)*	Traffic, Environmental, Road, Bridge
Project name	Kansas Lane – Garrett Road EA/IMR and Roundabout Analysis	Firm responsibility (prime or sub?)	Prime
Project number	SP No. 700-37-0119 FAP No. IM-3704(508)	Owner's name	DOTD
Project location	Ouachita Parish, Louisiana	Owner's Project Manager	David Flanders (HNTB)
Owner's address, phone, email	1201 Capitol Access Road Baton Rouge, LA 70802, 225 379 1957, quang.nguyen@la.gov		
Services commenced by this firm (mm/yy)	09/09	Total consultant contract cost ($1,000's)	$871
Services completed by this firm (mm/yy)	03/11	Cost of consultant services provided by this firm ($1,000's)	$997

Firm's Role Environmental Assessment for the analysis of five roundabouts including IMR services, line and grade services, traffic analysis, and noise analysis.

Members involved that are used in this proposal:

- Akhil Chauhan

Project Description To address congestion, mobility and connectivity, DOTD proposed improvements to the Kansas Lane/Garrett Road connection and the Garrett Road/I-20 interchange that would include a crossing of the Kansas City Southern railroad. Commercial development including a regional shopping mall and several new developments in the region provided a need for the project to address congestion.

The project team worked closely with DOTD and FHWA to develop four new concepts and refine six alternatives. Arcadis conducted a tiered traffic analysis identifying fatal operational flaws before completing the detailed traffic analysis. Projected traffic operations resulted in additional concept evaluation and optimization. Analysis of the railroad crossing included consideration of a tunnel versus overpass as well as alternative locations for the existing at-grade crossing.

By incorporating and refining value engineering recommendations for the overpass bridge and approaches, adjustments were made to the design to reduce costs. Pedestrian access to the adjacent Pecanland Mall area, both at grade and on structure was incorporated in the project alternatives development. Several unique alternative configurations for the Garrett Road and Millhaven Road intersection were proposed by DOTD. Arcadis utilized Synchro to model traffic operations and signalization options, and SIMTraffic to address queuing and weaving issues. The contract was supplemented in the fall of 2013 to include roundabout analysis in compliance with DOTD EDSM V.1.1.5 (Analysis) and EDSM V.1.1.6 (Design) for six separate intersections within the study area.

RELEVANT SERVICES

- Assessed feasibility of multiple design concepts including a typical interchange and railroad underpass design
- Railroad at-grade and elevated crossing design and coordination
- Detailed traffic operational and safety analysis
- Close coordination with the city, Chamber, and I-20 Economic Development Corporation

17. Firm Experience:

Firm name	Arcadis	Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environmental
Project name	US 165 Connector and Ouachita River Bridge EIS, Line and Grade and Toll Study	Firm responsibility (prime or sub?)	Prime
Project number	4400004807 / H.004782	Owner's name	DOTD
Project location	Ouachita Parish, Louisiana	Owner's Project Manager	Tim Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1110, timmothy.nickel@la.gov		
Services commenced by this firm (mm/yy)	05/12	Total consultant contract cost ($1,000's)	$1,981
Services completed by this firm (mm/yy)	11/21	Cost of consultant services provided by this firm ($1,000's)	$1,363

Firm's Role Conceptual design; alternatives development for NEPA compliance; bridge/ road line and grade analysis; extensive wetland investigation; socioeconomic and Environmental Justice analysis; visual imagery; toll study coordination; air and noise analysis/modeling; Phase I ESA; stakeholder/ public outreach; USCG navigable waterway coordination; traffic engineering & analysis.

Members involved that are used in this proposal:

- Akhil Chauhan
- Thomas Montz
- Greg Badon

Project Description Discussed for more than 40 years, the "4th Bridge" in Monroe would provide needed transportation system linkage in the north region, whose population density and development continues to grow. The proposed bridge and approaches would connect LA 143 to US 165, which both serve as main north-south arterials for Ouachita, Union, and Morehouse parishes. This facility would also provide a section of independent utility for a future planned loop roadway around the cities of Monroe and West Monroe, Louisiana.

The challenge was to identify the overall, least environmentally-damaging, practicable alternative crossing of the Ouachita River between LA 143 and US 165. Flanked by the high-functioning and basin-valuable Chauvin Bottomland Hardwood Swamp, the Ouachita River in the project area has a current and meander in the south that limit in-river bridge pier placement due to navigation hazards. The project team's approach was to avoid and minimize wetlands traversed by approaches connecting to Ouachita River crossing locations that were acceptable to the USCG. Alignment segments were identified and combined into 183 unique alternative alignments on three acceptable Ouachita River crossings. A trade-off analysis utilizing GIS data on wetlands and structures identified alternatives that both avoided and minimized impacts to wetlands while also minimizing adverse effects to the built environment. With further application of priority-tiered screening data sets, three alternative corridors were identified on which detailed analysis commenced.

Part of the detailed analysis included a study of existing noise levels due to traffic. The existing noise levels were assessed during field visits. Future noise levels were modeled utilizing TNM 2.5 software. Noise barrier feasibility was also assessed. In addition, a qualitative assessment of air impacts due to traffic was conducted.

RELEVANT SERVICES

- Extensive Alternatives analysis and development
- High Level of Agency and Stakeholder coordination
- Multiple public meetings, newsletters, and updates for the community.
- Wetland investigation & Biological Resources report
- USCG Navigable Waterway Coordination
- Levee Board Coord.
- Noise Modeling Analysis
- Traffic Engineering & Analysis

17. Firm Experience:

Firm name	Arcadis	Past Performance Evaluation Discipline(s)*	Bridge, Road
Project name	Rural Bridge Replacement Initiative Phase II, DOTD	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Sigma Consulting Group, Inc.
Project location	Districts 02, 03, 07, 61, and 62	Owner's Project Manager	Mr. Greg Sepeda
Owner's address, phone, email	10305 Airline Hwy, Baton Rouge, LA 70816, 225 298 0800, gsepeda@sigmacg.com		
Services commenced by this firm (mm/yy)	01/2021	Total consultant contract cost ($1,000's)	$540
Services completed by this firm (mm/yy)	11/2021	Cost of consultant services provided by this firm ($1,000's)	$540

Firm's Role Solicitation of Views, Wetland Studies, NEPA Categorical Exclusions, USACE Nationwide Permits, LADNR Coastal Use Permits

Members involved that are used in this proposal:

» Jason Morrell

Project Description Arcadis is responsible for completing all environmental services for Phase II of DOTD's Rural Bridge Replacement Initiative in Districts 02, 03, 07, 61 and 62. This contract consists of 16 state projects involving 29 bridge replacements. A description of main project components is provided below:

Solicitation of Views: Solicitation of Views (SOV) letters and information packets are prepared and distributed to federal, state, and local agencies, organizations, and individuals. Responses from these groups are compiled and assist with the identification of possible adverse economic, social, or environmental effects from the project or other related concerns.

Wetland Studies: Field delineation and GPS location of all wetlands and waters of the U.S. within the vicinity of each project are completed. Wetland Finding Reports are then prepared detailing the results of field studies including GIS figures, photographs, and USACE delineation data forms.

PCE Checklist: DOTD Environmental Checklist for Categorical Exclusions are prepared for each project documenting compliance under the National Environmental Policy Act (NEPA) and other applicable environmental laws. The checklist includes SOV responses, Wetland Findings Report, exhibits/maps, and agency coordination.

Permitting: For projects impacting wetlands or other waters, a Nationwide Permit (NWP) application may be prepared and submitted to the U.S. Army Corps of Engineers (USACE) pursuant to Section 404 of the Clean Water. For project in the LA Coastal Zone, a Joint Application is prepared and submitted to the LA Dept. of Natural Resources (LADNR) for a Coastal Use Permit and NWP.

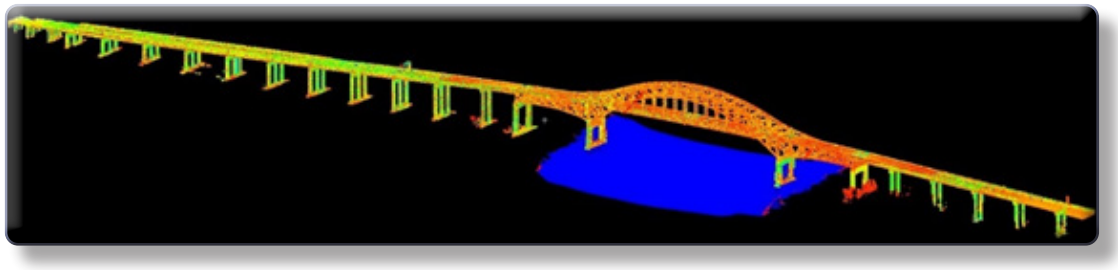
17. Firm Experience:

Firm name	NTB Associates, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI)	Firm responsibility (prime or sub?)	Prime
Project number	4400017713	Owner's name	DOTD Baton Rouge
Project location	Orleans Parish, LA	Owner's Project Manager	Mr. Barrett Smith, PLS
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 barrett.smith@la.gov		
Services commenced by this firm (mm/yy)	12/20	Total consultant contract cost ($1,000's)	$588.4
Services completed by this firm (mm/yy)	03/22	Cost of consultant services provided by this firm ($1,000's)	$588.4

Firm's Role Static GPS Control, Topographic & Hydrographic Surveying Services, HDS 3D Terrestrial Laser Scanning, and QL C & D SUE Services

Members involved that are used in this proposal:

- Brian Bunch, PLS
- Mike King, PLS



Project Description The LA 47: IWGO Bridge Rehabilitation Project is 6,622 feet long Historic Bridge Improvement (HBI) project connecting New Orleans East and Chalmette across the Intercoastal Waterway Gulf Outlet in Orleans Parish. The "Preservation Priority" bridge consists of concrete slab spans, pre-stressed girder spans, welded steel plate girder spans, and tied-arch girder truss spans. NTBA's services on the project entailed installation of six deep rod monuments, topographic surveys, establishing a Static GPS Control Network, HDS 3D Terrestrial Laser Scanning, hydrographic surveying, and QL C, and D Subsurface Utility Engineering Services. From the data collected, NTBA developed surface models to provide drawings of specified piers, joint, and truss locations at 4 separate times as deliverables. NTBA also provided traffic control coordination of a complete closure of the bridge from Friday at 8pm until Monday at 5am on 4 separate occasions to complete the project on time, within budget and with minimal disruption to the public and local businesses. All services were completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.

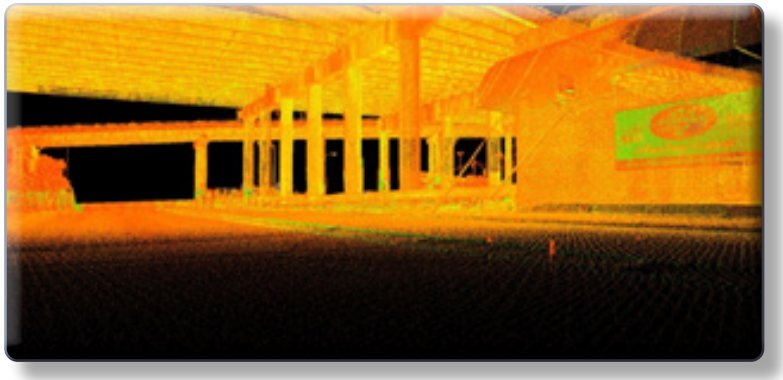
17. Firm Experience:

Firm name	NTB Associates, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	I-10: LA 415 to Essen Lane on I-10 and I-12	Firm responsibility (prime or sub?)	Prime
Project number	H.004100.5	Owner's name	DOTD Baton Rouge
Project location	West & East Baton Rouge Parishes, LA	Owner's Project Manager	Mr. Nicholas J. Olivier, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	12/17	Total consultant contract cost ($1,000's)	$7,192.2
Services completed by this firm (mm/yy)	07/20	Cost of consultant services provided by this firm ($1,000's)	$3,823.7

Firm's Role Topographic Surveying Services, Surveying Support for SUE Services, SUE, and HDS 3D Terrestrial Laser Scanning

Members involved that are used in this proposal:

- Brian Bunch, PLS
- Mike King, PLS



Project Description NTBA performed topographic surveying services and HDS 3D Terrestrial Laser Scanning for approximately 10 miles of the project corridor of I-10 and 1.5 miles of the project corridor of I-12 in West Baton Rouge and East Baton Rouge Parishes beginning 1,500 feet west of the entrance/exit ramps of LA 415 and I-10 interchange and ending 500 feet past the gore of the exit/entrance ramps of the Essen Lane Intersection on both I-10 and I-12. NTBA performed the topographic survey of the designation of utilities performed by Cardno as well as NTBA crews in order to prepare utility maps. This task involved major coordination efforts to schedule field crews in conjunction with Cardno's designating crew to ensure that utility markings were collected timely and correctly. NTBA also developed surface models from LiDAR data obtained from our field crews as well as those of the 3 other sub-consultants. This involved much coordination with the sub-consultants to ensure that the surfaces were seamless at the transitions between the different surveys.

The areas included major thoroughfares, surface streets, railroad right-of-ways, and drainage canals. MicroStation files were provided as the deliverable. NTBA was the prime consultant and in direct supervision and control of 7 sub-consultants with multiple project milestones. This project was completed in accordance with the most current edition of the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

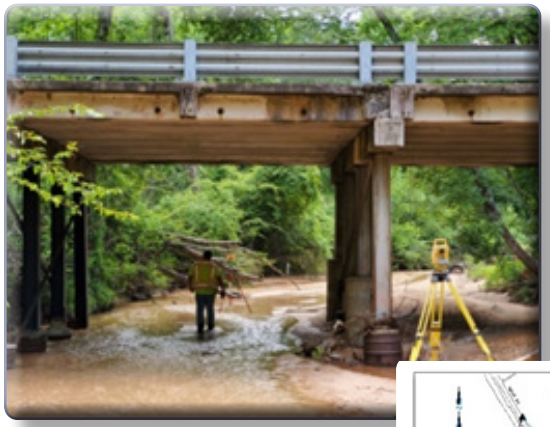
17. Firm Experience:

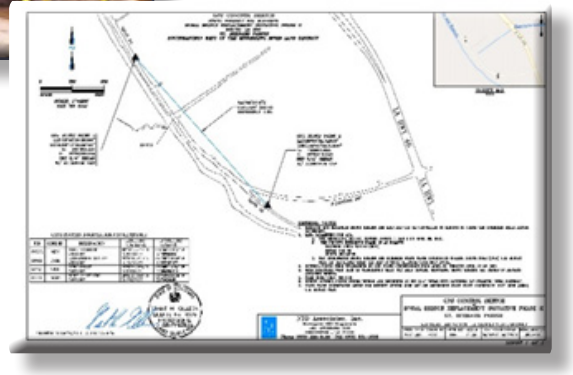
Firm name	NTB Associates, Inc.	Past Performance Evaluation Discipline(s)*	Survey
Project name	Rural Bridge Replacement Initiative Phase II	Firm responsibility (prime or sub?)	Sub
Project number	4400019337	Owner's name	DOTD Baton Rouge/ Burk-Kleinpeter, Inc.
Project location	Districts 05, 08, and 58	Owner's Project Manager	Mr. Nicholas Matherne
Owner's address, phone, email	4176 Canal Street, New Orleans, LA 70119 (504) 486-5901 nmatherne@bkiusa.com		
Services commenced by this firm (mm/yy)	08/21	Total consultant contract cost ($1,000's)	$1,364,616
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,364,616

Firm's Role Static GPS Control, Topographic & Property Surveying Services, HDS 3D Terrestrial Laser Scanning, QL C & D SUE Services, Preliminary and Final Right-of-Way Maps, and Parcel Descriptions

Members involved that are used in this proposal:

- Brian Bunch, PLS
- Mike King, PLS





Project Description NTBA is performing Static GPS Control, topographic and property surveying services, and subsurface utility engineering for 34 bridge and culvert replacements throughout Central Louisiana. Topographic surveying utilizing HDS 3D Terrestrial Laser Scanning methods includes surveying of all sub-surface drainage structures, 200 feet upstream and downstream with cross-sections every 50 feet along channels, deck gutter lines, centerline of joints, low chord elevations, bent locations, and right-of-way 800 feet either side of structure. Subsurface utility engineering services include QL C and D utility mapping. NTBA will produce electronic topographic drawings in MicroStation depicting all utility and topographic information. This data is provided to the engineering consultant for incorporation into their hydraulic model being utilized to evaluate the system. NTBA is providing property surveys on 2 of the 34 bridge sites currently with the potential for additional sites in the future based on design needs. Property surveying will include surveying of each parcel affected by either construction servitude or additional right-of-way requirements along with production of preliminary and final right-of-way maps and parcel descriptions. All services are being completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.

18. Approach and Methodology:

INTRODUCTION

Stanley Consultants, Inc. (SCI) has recently completed two separate and distinct interstate widening projects that are extremely similar in project size and scope of work to this I-20: Widening/Ovrly (Vancil Rd – LA 34) project. Both projects consisted of widenings to existing I-12 in St. Tammany Parish. Both included interstate widening to the inside with the addition of a third lane and the construction of a median barrier wall through an asphalt pavement section. We also had the addition of auxiliary lanes widened to the outside on one of these two previous projects. Our proposed Project Manager, Jesse Tisdale, was the Project Manager for both projects. Our proposed lead roadway design engineer, Adam Fields, served as the lead roadway design engineer for both projects. Other team members proposed herein played major roles on both of those projects. We will be able to utilize this experience and associated lessons learned that come with all projects to benefit DOTD and this project as highlighted in our approach and methodology below.

PROJECT UNDERSTANDING

I-20 is a primary east-west interstate link, built starting in 1957. It operates as the primary corridor across north Louisiana. The limits of this project begin at the Vancil Road overpass and continue to just before the LA 34 interchange, a total of approximately 4.3 miles. The current roadway is a 4 lane median divided asphalt roadway with the exception of a short segment of concrete as you approach the LA 34 interchange. The corridor has an AADT of 82,866 vpd (as per DOTDs Transportation Data Management System) and a speed limit that varies from 70 mph to 60 mph between Vancil Road and Well Road. This corridor is also characterized by a high percent of truck traffic.

We understand that the project will be widened to the inside adding a travel lane and shoulders beginning at Well Road to LA 34. A mill and overlay of the existing travel lanes and shoulders will be provided from the Vancil Road overpass to Well Road.

Our key team members have spent time walking and driving the corridor noting challenges and opportunities for this project. **This project will have several potential challenges including addressing the significant grade elevation differences between the eastbound and westbound travel lanes, superelevated median barrier wall design, vertical clearance concerns at all potential bridge and electrical line crossings, addressing the existing significant drainage structure crossing locations, and keeping the design and construction costs in check in times of accelerated inflation.** See the Issues Map below showing the locations of potential challenges and considerations.

CRITICAL ISSUES

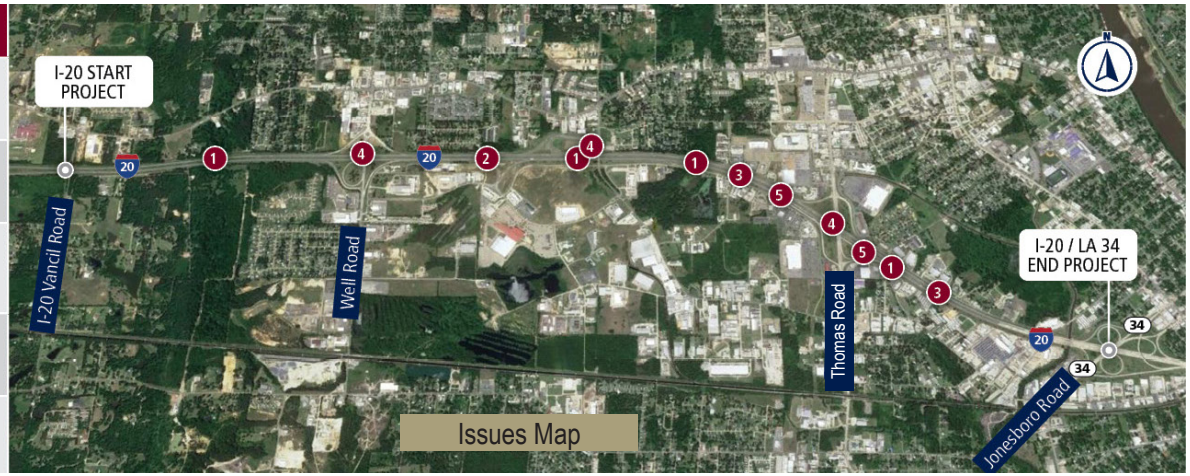
Barrier Walls - Superelevated Sections/Elevation Differences Between EB And WB Lanes

Something unique that SCI encountered during the design of the I-12 widening projects that also applies to this one will be the design and construction of the median barrier wall though superelevated sections. This becomes an issue if the median differential from one side of the roadway is more than 12" difference, because the wall height on one side then begins to get too tall and more difficult to construct. This was an issue that we worked with DOTD to resolve on our I-12 project and are ready to resolve on this project as well. Additionally, there are spot locations along this corridor where the interstate elevation differential is several feet between the Eastbound and Westbound lanes. These locations will also take special barrier wall design that we are ready to generate based on previous firm and staff experiences.

The roadway sections with substantial EB and WB elevation differences and the roadway sections contained in superelevated sections present design challenges requiring a special median barrier design. It will have to be designed in such a way that the footing is still constructable with the two faces of the exposed wall having substantially different heights to avoid wall heights in excess of preferred values. We have several ideas for how this can be done:

1. Construct a footing as a single unit at the elevation needed for the lower Profile Grade Line (PGL). This will require substantially more excavation and backfill on the side with the higher PGL and may create a situation where your total wall height from footing to top of the wall exceeds preferred wall heights.
2. The footing can be tiered so that the top of one side of the footing is higher than the other. This will be

Issues	
1	Substantial Drainage Crossing
2	Considerable EB/WB Elevation Differential
3	Superelevated Section Median Barrier Wall Design Required
4	Bridge Vertical Clearance to be Evaluated
5	Potential Clearance Issue with Electric Lines



Issues Map

more complicated during construction but will require less excavation and fill than alternative 1.

3. A third option is to build two separate vertical faced walls with some separation between them.

After completing similar work on I-12 in the last year, it would be our team's recommendation to consider option 3. It will provide appropriate wall heights avoiding excessive values and will help limit the need to overbuild the wall's footings.

Clearance Verification Along Corridor

There are 3 existing structures within the project limits that will need to have vertical clearances verified. The crossings at LA 617, Downing Pines Road, and potentially LA 3249 depending on the final limits of the widening. These vertical clearances will need to be verified as the inside lane widening will maintain a 2.5% cross-slope upwards and will have less clearance than the existing lanes. Additionally, there are two transmission line crossings that will need clearance verification as well.

Drainage Structure Crossing Locations

Based on field observations there are a minimum of four significant drainage crossings, utilizing box culverts, as well as another six smaller cross drain structures inside the project limits. All crossings will need to be evaluated for hydraulic adequacy and structural integrity as part of the overall drainage evaluation and design for the project. Should the existing crossings be undersized for the required flows based on DOTD HYDRWIN analyses, additional crossings would need to be added.

SCI encountered this issue during the design of our I-12 projects and succeessfully implemented a jack and bore installation method to avoid having to open cut the interstate to install the new crossings. This prevented significant unnecessary impacts. This would be the recommended method of adding new crossing structures to this project as well.

Drainage Crossing Structure

Also of note, as per the RFP, a wetland study will be completed for this project. Wetlands within the project area will be identified and delineated using the COE guidelines. This will be critical for our final drainage design. An area of particular interest is the area near Restoration Park. It is apparent that this park contains sensitive wetlands.

Construction Costs

SCI will work with DOTD construction section as well as utilize recent experiences on I-12 to limit costs as much as possible for this project.

Restoration Park

Potential Area of Wetland Concerns at Restoration Park

APPROACH AND METHODOLOGY

Planning And Environmental

Our Teaming partner, Arcadis, will be preparing the wetland studies, providing permitting documentation, and supporting SCI as a partner at the necessary public meetings for this project. Our team members have extensive experience in environmental work and wetland studies. Arcadis will prepare all necessary environmental and wetland exhibits, documentation, and reports needed for permitting and will coordinate effectively with the DOTD environmental section. This wetland study will begin immediately after the kickoff meeting once we begin our field visits/field investigations. This will allow for any wetland impacts required for the project to be isolated early so that permitting does not delay the project in future stages. Our team is prepared to handle all arrangements necessary with the required public meetings including all coordination and setup, and all meeting will meet with the approval of the DOTD environmental section. Our team is ready to staff these meetings adequately to provide the public with access to personnel who can answer their questions and prepare all necessary meeting displays for the meetings.

Traffic Services

Traffic Study: Our Team's approach to traffic engineering embraces the ideas and philosophies enumerated in the Traffic Engineering Process and Report (TEPR). A TEPR compliant study will be conducted in accordance with the RFP and EDSM VI.1.1.2 to support all aspects of preliminary engineering and design services for the project.

Establish Study Scope and Methodology: The consultant team will conduct detailed discussions with the DOTD project manager, traffic engineering section, and District 05 during negotiations to establish a mutual understanding of the traffic study scope that will be needed to accomplish the goals of the project. The traffic study scope should include all data and analysis that will be needed to support all aspects of the project including the traffic study, Transportation Management Plan and project design elements. Additionally, study methodologies will be discussed and agreed upon as they can have significant impacts to the study fee and schedule.

Define Operational and Safety Needs: A critical component of the traffic study is to clearly define existing and future operational and safety conditions that will be used as the basis for development and comparison of alternatives. Highway capacity software will be used for operational analysis of existing and no-build conditions. The use of multi-period or single period analysis will be discussed and agreed upon during project scoping. Safety analysis will be performed per the RFP, and results will be reviewed and interpreted to summarize conditions that are contributing to any identified safety issues.

The consultant team will conduct a meeting with the DOTD PM and traffic section to present initial findings and discuss identified needs prior to submitting draft study documentation. This will aid in ensuring that study

documentation addresses DOTD's goals for the project and streamlines the review process.

Alternative Analysis: Alternative analysis will be conducted using a tiered, data-driven approach to develop and evaluate alternatives. We understand that only one alternative will be considered for improvements to the I-20 mainline. Minor refinements to the proposed alternatives may be considered based on results of the study.

A key aspect of the alternative analysis will be to quantify potential operational and safety impacts to associated ramp segments and ramp terminals that result from improvements to I-20 mainline. Thus, Tier 1 and Tier 2 alternative analysis will consider such impacts to develop and compare the performance of alternatives. Evaluation criteria will be developed in close coordination with DOTD based on the unique needs of the project and criteria identified in the RFP.

Study Documentation: Traffic study documentation and milestone meetings will follow the submittal stages identified in the TEPR. The consultant team will coordinate closely with DOTD traffic engineering and District 05 throughout the entirety of the study process and will hold additional meetings as necessary to ensure the timely completion of the study. We anticipate that an Interchange Modification Report (IMR) or System IMR (SIMR) will be required if the traffic study identifies a need for significant improvements to interchange ramp configurations and/or terminals. A supplemental agreement will be negotiated to develop IMR documentation using the results of the traffic study.

TMP: A level 4 TMP will be developed in accordance with requirements defined in EDSM VI.1.1.8. Required analysis will utilize collected traffic and safety data to inform the development of construction phasing and impact management strategies for the project. The consultant team will coordinate with DOTD HQ and District 05 to establish roles and responsibilities for the TMP, and involve responsible parties in the development of the TMP to ensure that proposed strategies are sensitive to the context of the project area and address local concerns.

Permanent Signing Plan: Permanent signing plans will be developed to accommodate proposed improvements to the I-20 mainline, ramps, and ramp terminals. The goal of the proposed signing layout is to provide clear instructions and advance notice of roadway conditions such that motorists can navigate safely and efficiently to their desired destination. Primary design references for the development of signing plans are listed below:

- DOTD Sign Manual
- Manual on Uniform Traffic Control and Devices
- DOTD EDSMs
- DOTD Special Signing Detail and Standard Plans

The limits of signing improvements will include all signs within the project limits, and signs outside of the project limits that are impacted by proposed roadway improvements (up to 2.5 miles on either end of the project). If any impacts to signs beyond these limits are identified, the SCI team will notify DOTD promptly.

Structural Engineering – Signing And Barriers

We understand the structural scope of work for this project to include median barrier design, overhead sign trusses and new overhead cantilevered sign supports in locations that will be affected by the widening. Luis Santana, PE will lead the structures portion of the scope of work for SCI supported by Dan Shiosaka, PE.

SCI, led by Luis Santana, has direct experience designing median barrier walls in accordance with DOTD requirements.

Lighting

SCI has engaged a teaming partner to assist with the lighting tasks shown in the project scope of work. The team at Marrero Couvillon & Associates, LLC (MCA) has extensive experience providing lighting designs specifically for interstate projects. One such example is the I-10: Highland to LA 73 Design-Build Project. Please see their Staff and Firm experience for more details.

Road Design And Plan Development

Kickoff Meeting: After the scoping has been finalized, SCI will prepare a project management plan (PMP). This plan will include project scope, preliminary schedule, DOTD road design report, anticipated project delivery milestones, project risk plan, and our communication plan. We will then schedule a kickoff meeting with the DOTD PM and any assigned DOTD task managers. At the kickoff meeting we will cover everything in the PMP and go over any questions or concerns for all parties. This will help the team build a foundation for continued coordination and mutual understanding on the project requirements and will set expectations to allow for a smooth delivery process. This kickoff meeting will also be the time when the SCI team will request all existing information for the project such as the conceptual layout alternative developed by District 05 discussed in the RFP, any as built plans (if available), and information on adjacent projects (if any exist). A separate kickoff meeting will be held relative to the Traffic services scope of work previously discussed in this Section 18.

Topographic Survey: It is understood that the topographic survey will be provided by DOTD. However, the advertisement also mentions that any additional survey shall be performed by DOTD or the Consultant if necessary at the option of DOTD. We have added NTB & Associates to our team to provide these services should they be requested. By adding them to our team in this 24-102 response, we will not have to provide a letter of justification to add a team member during the project should this need arise.

Data Collection/Field Visits: During the Data Collection phase, our team would begin the process of developing the necessary information on which we will base the design. We will review the survey that has been completed by DOTD and generate roll plots to take into the field. During this phase our team will take the available existing information and make our first site visit in order to assess any additional design risks that need to be mitigated and take into account any obstacles that will need to be overcome in the design. This site visit will

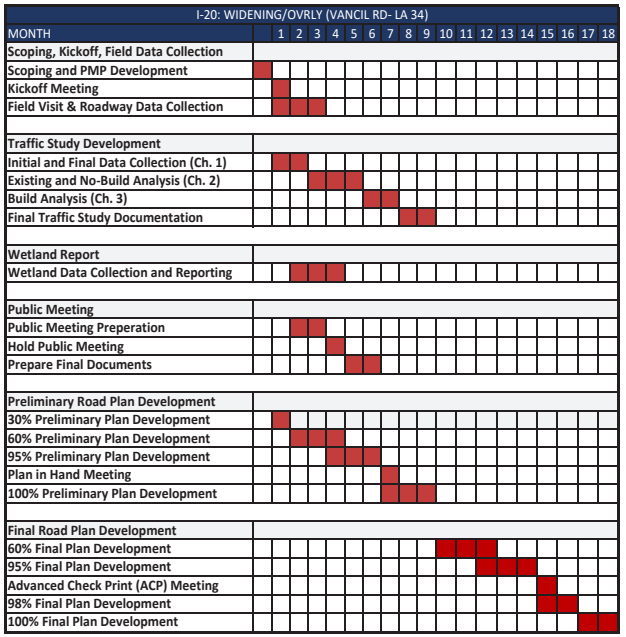
also give us the opportunity to coordinate directly with the district to get their understanding of the goals and risks of the project. This upfront field investigation allows us to get ahead of potential design issues that standardly come up at the 95% preliminary Plan-In-Hand meeting and prevent rework later which can have an effect on the schedule. In this phase we will also begin our traffic field work, as well as our wetlands field reconnaissance.

During this data collection phase we will also be performing our existing sign assessment that is necessary for the sign ERDD to complete final sign plans. This will include pictures and documentation for each sign inside the sign study limits which extend beyond the project limits themselves.

Preliminary Plan Development: After the kickoff meeting and the data collection phase, we can begin the preliminary plans process which is expected to follow the standard delivery process outlined in the Road Design Manual figure 1-03 or in the RFP, as well as a cost estimate at each submittal stage. For 30% preliminary plans we will deliver the title sheet, preliminary typical section, and existing plan pros. During this time, we will also be preparing our horizontal & vertical geometry as well as preliminary drainage design, and InRoads model. In the 60% preliminary plan stage we will deliver the previous plan sheets as well as updated plan/profile sheets, drainage sheets, cross sections and the preliminary hydraulic report. The 95% plans will be critical for their use in the Plan-In-Hand (PIH) meeting. These plans will include all previously submitted sheets as well as the summary of estimated quantities, preliminary sequence of construction, general notes sheet, Reference points and TBM sheet, Geometric details sheets, and all preliminary QA/QC documentation. We will coordinate with the DOTD PM to set up the PIH meeting so that all the necessary district and technical staff can attend as well as any stakeholders that the DOTD PM choose. This is the ideal time for local input and directed coordination with the district on topics such as sequence of construction, geometric layout, special items preferred by the district, and generalized input on the plans as well. Getting this information early in the project allows for a smoother final plan stage and ensures that the final design aligns with the needs and preferences of the district project engineer who will be responsible for construction in the field. Our 100% final plan submittal will include the set with all comments addressed, any permit drawings required, as well as the submittal of any known design exception requests. Requesting these early will help prevent projects being delayed by these requests.

Final Plan Development: Upon receipt of the final plans NTP our team will move into the final plan development. As a kickoff to final plan stage the SCI team will redistribute any updated overall PMP information to the DOTD PM and coordinate with them to cover any updates. This will again establish expectations for the final plans and allow for a smooth and transparent progression to project completion. The final plan stages we expect include 60% Final, 95% Final, 98% Final and 100% Final plans. The final plans stages will be when we develop our more detailed construction plan sheets and information, and finalize any outstanding permits, or design exceptions. In the 60% final plan stage we will finalize the hydraulic design, develop all summary tables, finalize signing and striping plans, finalize the hydraulic report, continue working on any final detail sheets and finalize any design exceptions that are still outstanding. It is unlikely for this project that additional right-of-way will be required, but if it is then we will attend the Joint Plan Review between the 60% and 95% final plans. The 95% final plans will be a complete set of all required plan sheets. We will assist the DTOD PM in coordinating an advanced check prints meeting with the district and all relevant DOTD sections, and we will attend to discuss any final topics of coordination and review the plans. This meeting, like the PIH, will be critical to get any discussion or preferences from the district personnel. This submittal may also be reviewed by the PQU who may provide additional comments. For the 98% plans we will submit the completed set of construction plans as well as any special provisions and the final cost estimate. Upon approval from the PM we will submit signed and sealed final plans including all final stamped reports, calculations, and any additional specifications if any are required (none anticipated).

Schedule: To meet the 530 day proposed schedule shown in the Advertisement, we will be doing the traffic study concurrently with design. See the below schedule. It is assumed that the preferred alternative to be provided by District 05 will be an appropriate alternative for this project. If a Stage 0 Feasibility Study including an Interchange Justification Report (IJR) / Interchange Modification Report (IMR) be required, additional time will be required and established via a Supplemental Agreement. This is stated in the Additional Services section of the Scope of Work.



Quality Control

Quality control will be a continual effort. A QA/QC Plan will be prepared by our team and provided to DOTD within ten business days of award. SCI will be responsible for verifying completeness of the QA/QC Plan and auditing compliance with that program. Quality control, constructability and design reviews will occur prior to all submittals.

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Stanley Consultants	Road	H.011781.5	LA 675 & LA 87 Improvements in New Iberia	$41,647
Stanley Consultants	Road	H.011137	I-12 (LA 21 to US 190) Widening Design	$11,756
Stanley Consultants	Bridge	H.011137	I-12 (LA 21 to US 190) Widening Design	$11,687
Stanley Consultants	Road	H.01137 & H.013866	I-12 Widening Construction Support	$33,074
Stanley Consultants	Bridge	H.01137 & H.013866	I-12 Widening Construction Support	$16,261
Stanley Consultants	Road	H.013643.5	LA 951 Roadway Washout Repairs	$1,373
Stanley Consultants	Road	H.012863.5	Cypress Island Highway	$21,123
Marrero, Couvillon & Associates	Bridge	H.011705.6	US 11: Lake Pontchartrain Bridge Rehab – CA Services Orleans and St. Tammany Parishes	$9,276
Arcadis	Environmental	H.002397.2	LA 16 (Pete's Hwy) Interstate 12 Interchange Route	$20,109
Arcadis	Environmental	H.011328.2	I-49 South (Ricohoc to Berwick)	$828,788
Arcadis	Traffic	H.011328.2	I-49 South (Ricohoc to Berwick)	$176,056
Arcadis	Road	H.011328.2	I-49 South (Ricohoc to Berwick)	$353,273
Arcadis	ITS	H.013868.5	ITS Program Management and Operations (2022)	$593,753
Arcadis	ITS	H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	$600,711
Arcadis	ITS	H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	$147,799
Arcadis	ITS		PO No. 2000588785 Scott Tower Cable and Grounding Repair, PO No. 2000634027 I-20 @ I-220 CCTV Repair For The Site in Shreveport, LA, PO No. 2000644636 I-10 @ LA 22 DMS CCTV Install	$14,700
Arcadis	CE&I/OV	H.011220.6-1	I-10 CBD2 Carrollton-Lafitte Ave and Supplement No. 1	$80,338
Arcadis	CE&I/OV	H.012876.6	US 90Z (I-10 Magnolia Street) Supplement No. 1	$26,829
Arcadis	CE&I/OV	H.013710.6	I-10: US 61 to Laplace ITS Deployment	$533,794
Arcadis	Environmental	H.009932	US 80 Widening: Vancil Road to Well Road Environmental Assessment	$5,343
Arcadis	Traffic	H.003370	I-220/I-20 Interchange IMP & BAFP Access Design Build	$15,000
Arcadis	Traffic	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$597,523

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Arcadis	Bridge	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$1,098,670
Arcadis	ITS	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$231,299
Arcadis	Traffic	H.005121	LA 1/LA 415 Connector	$105,842
Arcadis	Traffic	H.972419.1	SHSP Update and Regional SHSP Marketing/Advertising Support	$12,717
Arcadis	Road	H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	$339,654
Arcadis	Traffic	H.012018.6	Adaptive Traffic Signal Design and Implementation	$12,608
Arcadis	Traffic	H.014305.1	US 61: Cardinal Drive to Bert Street	$24,419
Arcadis	Traffic	H.013322.1	LA 3040 Feasibility Study	$38,844
Arcadis	Traffic	H.013797	LA 30: EBR PL – I-10	$493,720
Arcadis	Environmental	H.012891	LA 300 at Bayou LaLoutre	$7,959
Arcadis	Environmental	H.014215	LA 20 at 40 Arpent Canal and Drainage Canals	$31,698
Arcadis	Environmental	H.014213	LA 700 at Indian Bayou and Bayou Grand Marais	$15,071
Arcadis	Environmental	H.014279	LA 35: Drain Canal Near Lawtell	$27,893
Arcadis	Environmental	H.014278	LA 85: Patout and Drain Canal Bridges	$33,728
Arcadis	Environmental	H.014276	LA 975: Creek Bridges	$8,763
Arcadis	Environmental	H.014216	LA 682 at Norris Canal and Unnamed Tributaries	$41,250
Arcadis	Environmental	H.014241	LA 10 at Mill Creek	$19,609
Arcadis	Environmental	H.014251	LA 422: Bridge Over Unnamed Stream	$26,672
Arcadis	Environmental	H.012565	LA 963 at Redwood Creek and Little Redwood Creek	$8,212
Arcadis	Environmental	H.014257	LA 68 at Karrs Creek	$27,629
Arcadis	Environmental	H.014253	LA 421 at Thom Creek	$6,432
Arcadis	Environmental	H.014256	LA 952 at McKowen Creek and Beaver Creek	$32,217
Arcadis	Environmental	H.014254	LA 955 at Knighton Bayou, Trib. Olive Branch, White Branch, and Chapman Branch	$21,438
Arcadis	Environmental	H.012061	LA 1 at Lateral W15#7A and Bayou Moreau	$10,847

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Arcadis	Environmental	H.014252	LA 1054 at Tyner Creek	$6,932
NTB Associates, Inc.	Survey	4400019338	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, 58 (Sub to Sigma)	$6,032
NTB Associates, Inc.	Survey	4400019337	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	$442,696
NTB Associates, Inc.	Survey	4400017713	IDIQ Contract for Professional Surveying Services – Task Order No. 5 – Monkhouse to I-49, Caddo Parish	$1,084,670
NTB Associates, Inc.	Survey	4400017713	IDIQ Contract for Professional Surveying Services – Task Order No. 6 – I-10 Additional Topographic Surveys	$4,138
NTB Associates, Inc.	Survey	4400019715	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 4 – Summer Bridges	$43,033
NTB Associates, Inc.	Other	4400014660	IDIQ Contract for Subsurface Utility Engineering (SUE) Services – Task Order No. 2 – I:10 LA to Essen Additional SUE Services	$2,336

20. Certifications/Licenses:

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

20. Certifications/Licenses:

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

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Jared Blohowiak

has attended

Traffic Control Supervisor-LA State Specific

Training Course

5/22/2019 to 5/23/2019
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Jared Blohowiak

has attended

Traffic Control Technician-LA State Specific

Training Course

5/21/2019 to 5/21/2019
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:

e:

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Jesse Tisdale

has attended

Traffic Control Technician-LA State Specific

Training Course

5/21/2019 to 5/21/2019
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Jesse Tisdale

has attended

Traffic Control Supervisor-LA State Specific

Training Course

5/22/2019 to 5/23/2019
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:

Certificate of Completion

presented to

Theodore (Tj) Scarberry

for completing the

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

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

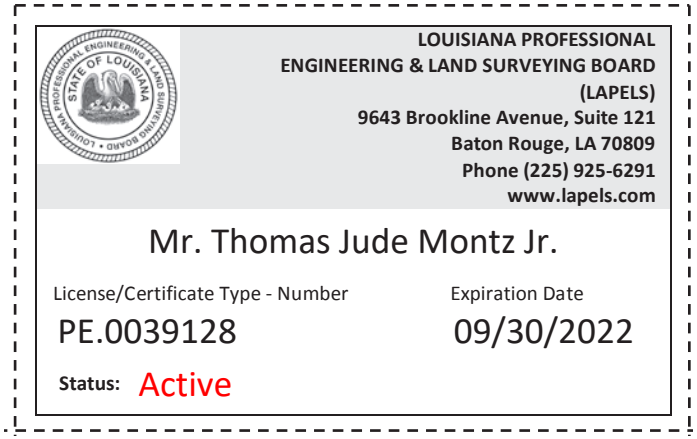
Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:



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

Mr. Thomas Jude Montz Jr.

License/Certificate Type - Number: PE.0039128
Expiration Date: 09/30/2022
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. Ari J. Deitch

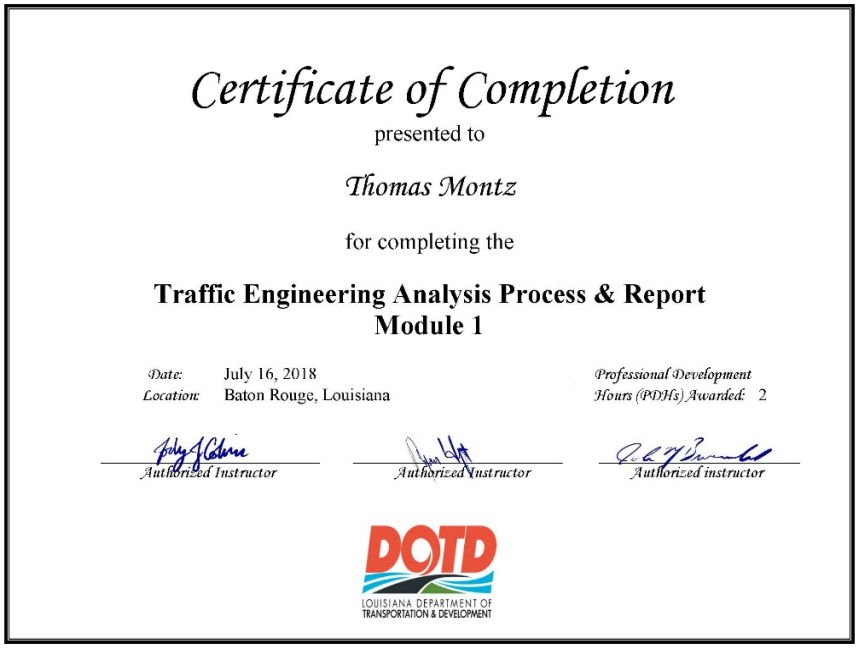
License/Certificate Type - Number: PE.0041842
Expiration Date: 03/31/2024
Status: Active

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

Mr. Kester Berk Hollier

License/Certificate Type - Number: PE.0034304
Expiration Date: 03/31/2023
Status: Active

20. Certifications/Licenses:



Certificate of Completion

presented to

Thomas Montz

for completing the

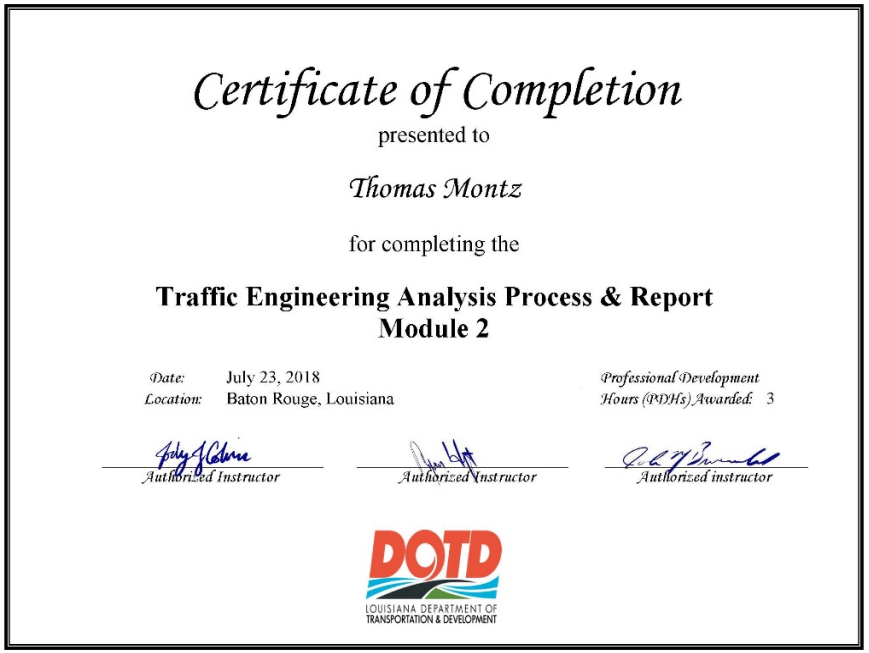
Traffic Engineering Analysis Process & Report
Module 1

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

Thomas Montz

for completing the

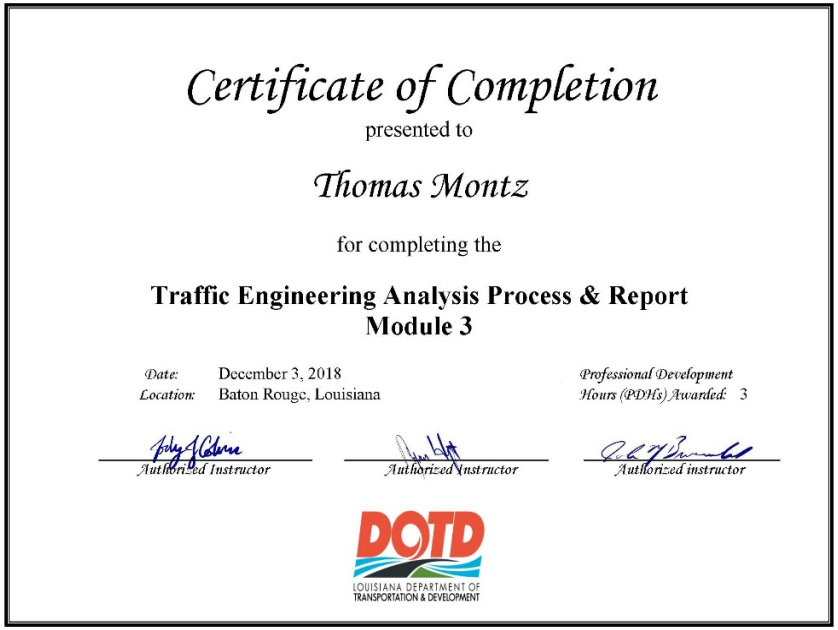
Traffic Engineering Analysis Process & Report
Module 2

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

Thomas Montz

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

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Thomas Montz

has attended

Traffic Control Technician-LA State Specific

Training Course

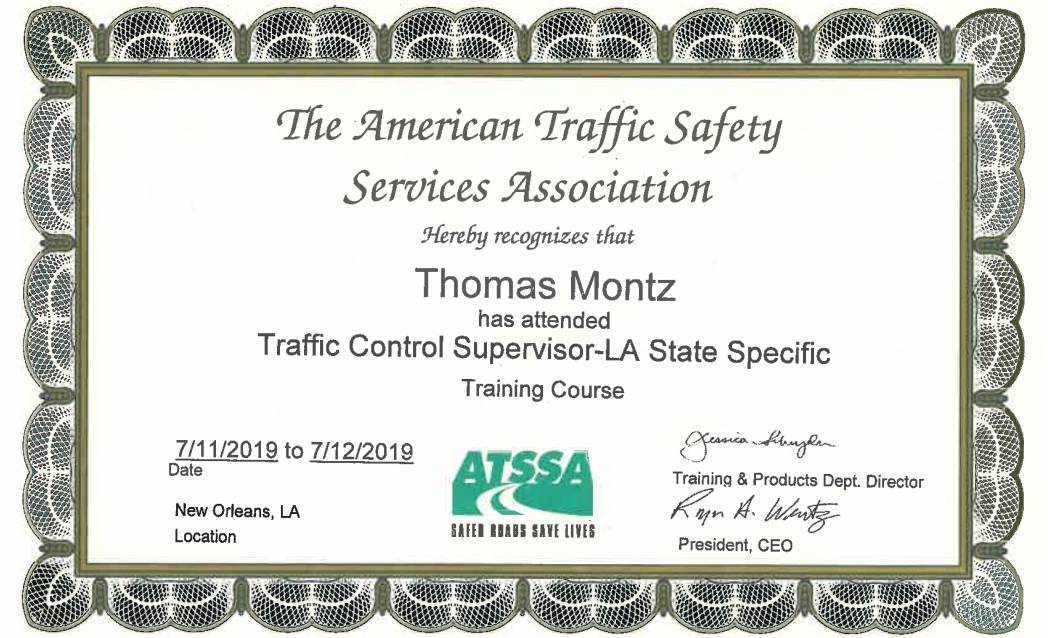
7/10/2019 to 7/10/2019
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO



The American Traffic Safety Services Association

Hereby recognizes that

Thomas Montz

has attended

Traffic Control Supervisor-LA State Specific

Training Course

7/11/2019 to 7/12/2019
Date

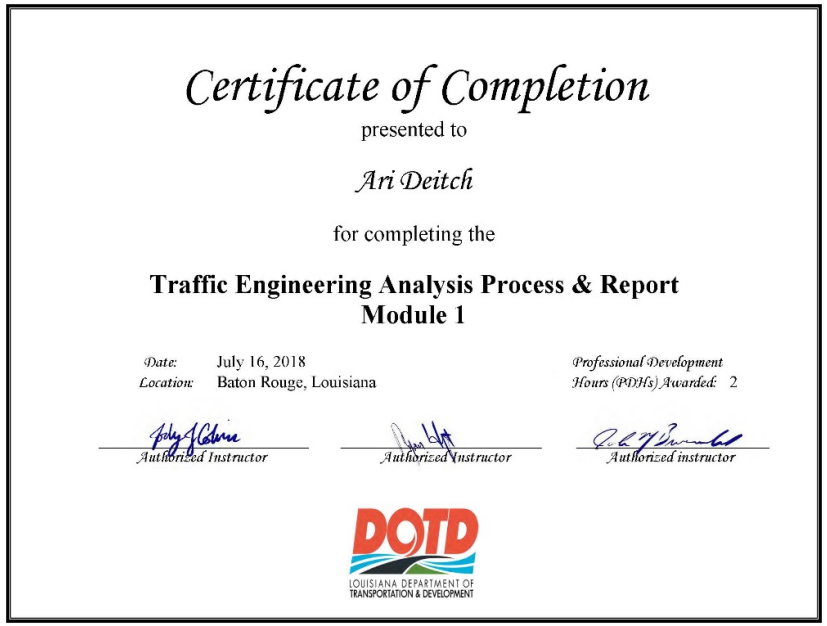
New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:



Certificate of Completion

presented to

Ari Deitch

for completing the

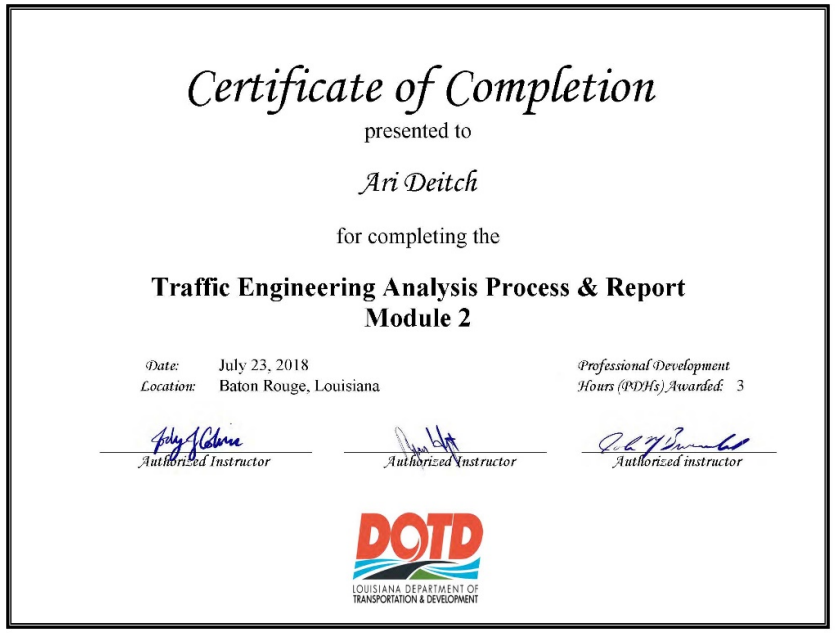
Traffic Engineering Analysis Process & Report
Module 1

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

Ari Deitch

for completing the

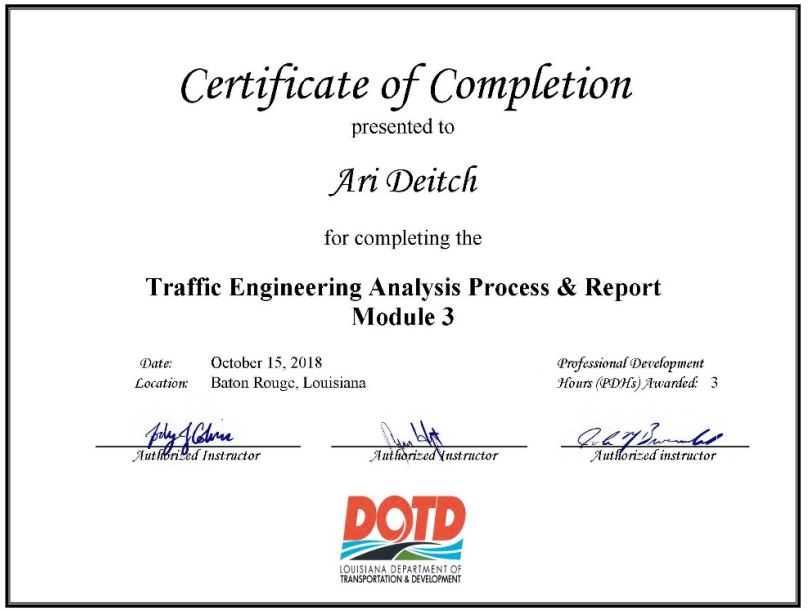
Traffic Engineering Analysis Process & Report
Module 2

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

Ari Deitch

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

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Ari Deitch

has attended

Traffic Control Technician-LA State Specific

Training Course

12/4/2018 to 12/4/2018
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Ari Deitch

has attended

Traffic Control Supervisor-LA State Specific

Training Course

12/5/2018 to 12/6/2018
Date

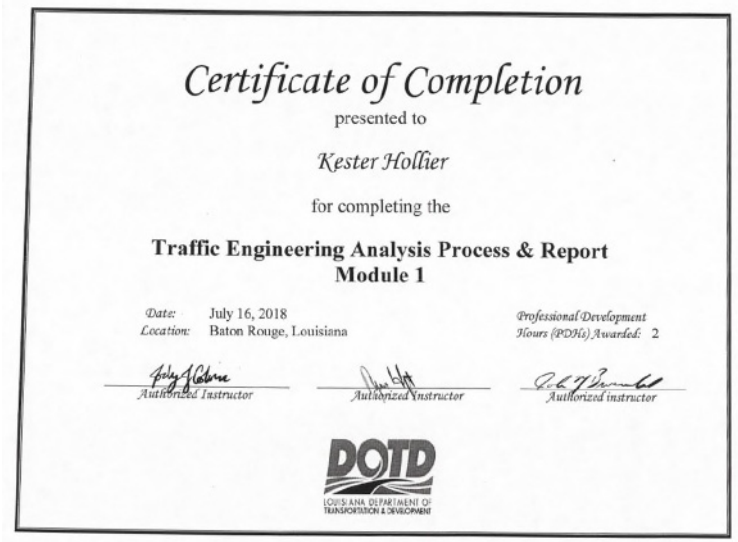
Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:



Certificate of Completion

presented to

Kester Hollier

for completing the

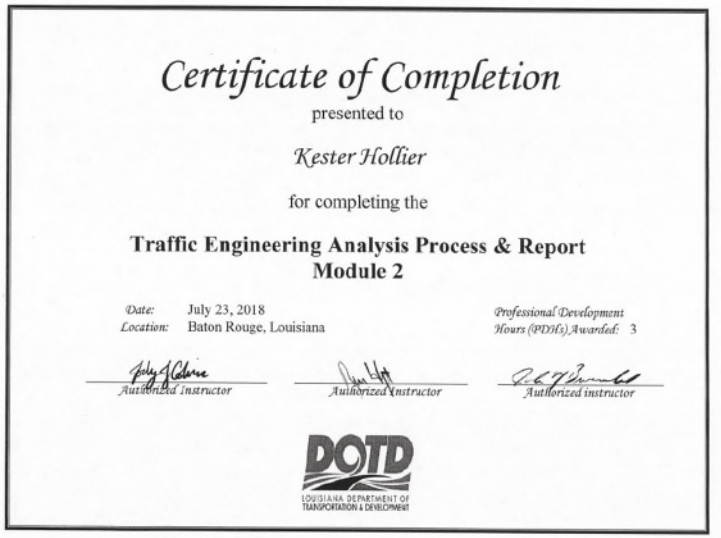
Traffic Engineering Analysis Process & Report
Module 1

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

Kester Hollier

for completing the

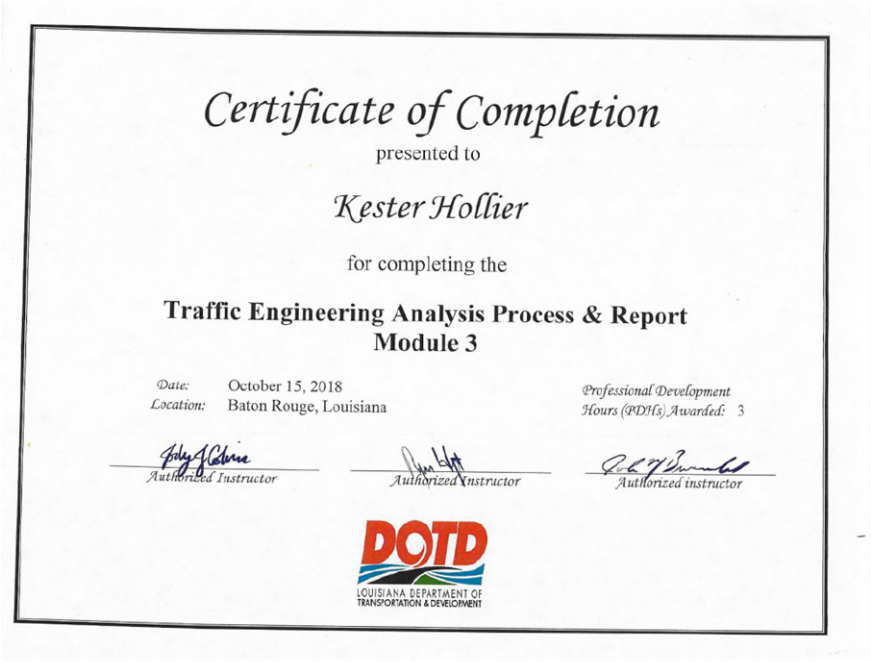
Traffic Engineering Analysis Process & Report
Module 2

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

Kester Hollier

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

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Kester Hollier

has attended

Traffic Control Supervisor-LA State Specific

Training Course

12/13/2013
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Kester B Hollier

has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

9/13/2019 to 9/13/2019
Date

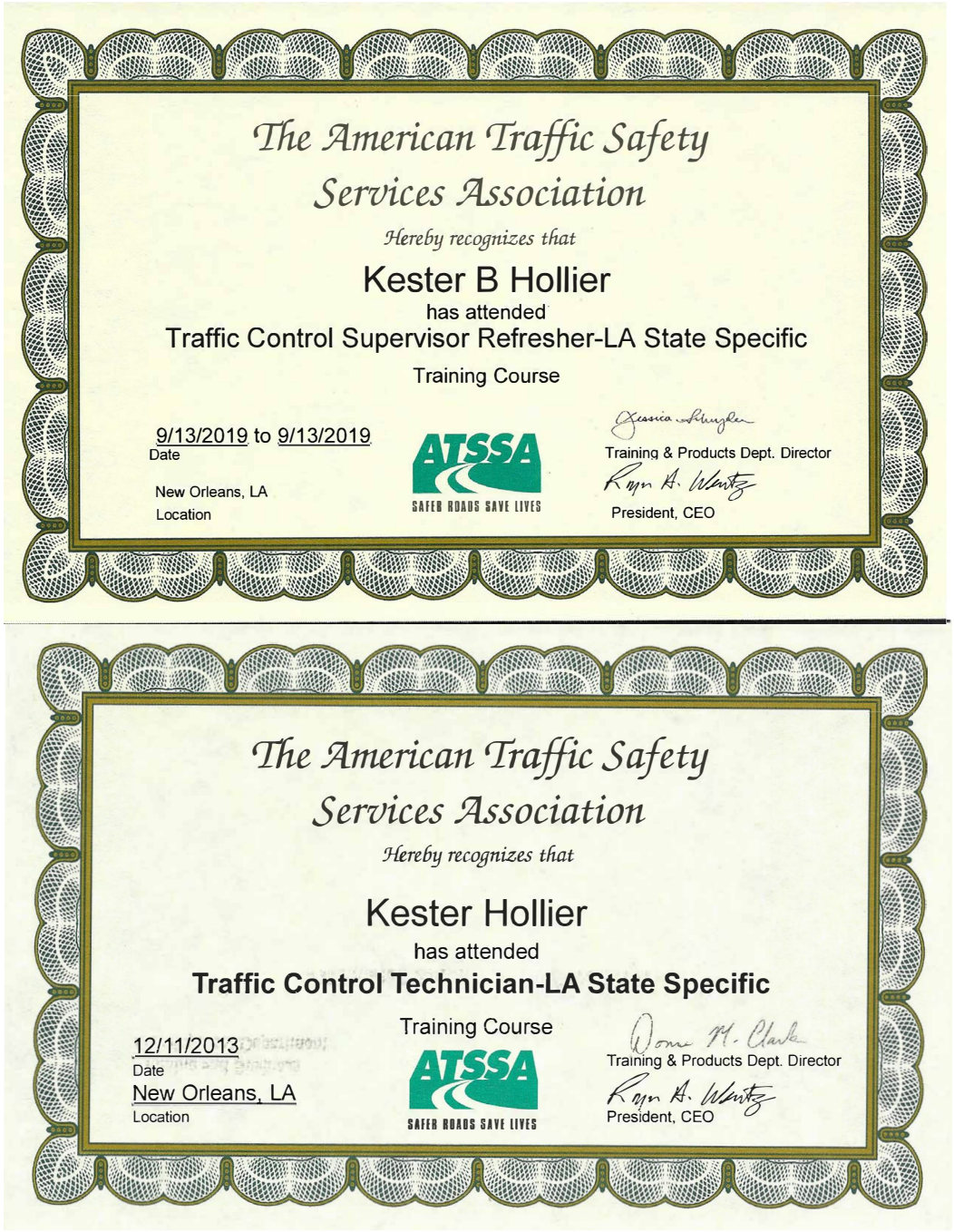
New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:



The American Traffic Safety Services Association

Hereby recognizes that

Kester B Hollier

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

9/13/2019 to 9/13/2019
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Kester Hollier

has attended

Traffic Control Technician-LA State Specific

Training Course

12/11/2013
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

20. Certifications/Licenses:

The American Traffic Safety Services Association

Hereby recognizes that

Kester Hollier

has attended

Traffic Control Technician-LA State Specific

Training Course

12/11/2013
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Donna M. Clark
Training & Products Dept. Director

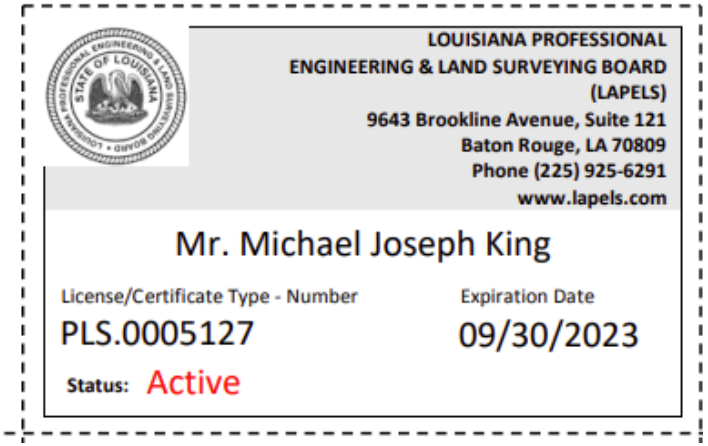
Ryan A. Wentz
President, CEO

20. Certifications/Licenses:

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

Mr. Bryan Turner Bunch

License/Certificate Type - Number: PLS.0005014
Expiration Date: 03/31/2024
Status: Active



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

Mr. Michael Joseph King

License/Certificate Type - Number: PLS.0005127
Expiration Date: 09/30/2023
Status: Active

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

22. Sub-consultant information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Marrero, Couvillon & Associates, LLC.	4354 S. Sherwood Forest Blvd., Suite D200 Baton Rouge, LA 70816	Greg DeCoursey, AIA gdecoursey@mca-llc.com	504-834-3448
Arcadis U.S., Inc.	10352 Plaza Ameri-cana Dr, Baton Rouge, LA 70816	Akhil Chauhan, PE, PTOE, PMP, PTP akhil.chauhan@arcadis.com	225-368-6563 or 225-244-6589
NTB Associates, Inc.	*Corporate Headquarters:* 525 Louisiana Ave., Shreveport, LA 71101 *Branch Office:* 8643 Main St., Zachary, LA 70791	Bryan T. Bunch, PLS bbunch@ntbainc. com	(225) 751-4002

23. Location:

Stanley Consultants INC.

www.stanleyconsultants.com

EXISTING

PROPOSED