STANLEYCONSULTANTS

Louisiana Department of Transportation and Development

CMAR Contract for Hooper Road Widening (LA 3034 - LA 37)

Contract No. 4400024084; State Project No. H.009300.5

Route LA 408; East Baton Rouge Parish

April 26, 2022

VISUALIZATION - POTENTIAL ROUNDABOUT @ SULLIVAN ROAD

VISUALIZATION - POTENTIAL ROUNDABOUT @ GREENWELL SPRINGS ROAD

COVER LETTER

April 26, 2022

CMAR CONTRACT FOR HOOPER ROAD WIDENING (LA 3034 - LA 37)
Contract No. 4400024084 State Project No. H.009300.5; F.A.P. No. H009300
Route: LA 408; East Baton Rouge Parish

Dear Sir or Madam:

Stanley Consultants has joined with Arcadis, Bonton and Fugro to provide a comprehensive, experienced team that is immediately available to successfully complete the Hooper Road design. 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
- ***Arcadis***
  Traffic and Roadway
- ***Bonton Associates (DBE)***
  Drainage
- ***Fugro USA Land, Inc.***
  Geotechnical Services

- **CMAR:** We are providing DOTD a team loaded with CMAR experienced experts, some of whom have also worked on the construction side of alternate delivery projects. Having worked on dozens of similar CMAR projects, we are familiar with the required procedures and protocols.
- **Local Presence, Local Knowledge:** Many of our key team members live in the area and understand the importance of the Hooper Road corridor to our local community.
- **Project Team:** Stanley Consultants, Arcadis and Bonton have previously partnered on multiple roadway widening projects. Similar to Hooper Road, the Lee Drive project involved widening from a 2-lane section to a divided roadway with complete streets accommodations.
- **Backlog:** Stanley Consultants has the availability to begin work on this project upon NTP. Our current backlog, as defined in section 19 of the 24-102 form, shows significant availability to dedicate the resources as presented to meet an aggressive schedule.
- **Cost Effective:** Our experience and knowledge of DOTD procedures will provide efficiencies that will allow us to keep design costs low and deliver the project in a reasonable amount of time. With our CMAR, constructability and value engineering experts, we will also work to add the greatest amount of value for the available funding.

We appreciate the opportunity to present our qualifications to you. Stanley Consultants acknowledges receipt of Addendum No. 1 issued on April 14, 2022. The information and data submitted is true and complete to the best of my knowledge as certified by my signature.

Sincerely,

Blake S. Roussel

Blake Roussel, PE, PMP
Project Manager

Hooper @ Greenwell Springs

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

Project Manager
Blake Roussel, PE, PMP
LA PE #33279, PMP #2018301
Rousselblake@stanleygroup.com

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	**CMAR Contract for Hooper Road Widening (LA 3034 - LA 37)**
2. Contract number(s) as shown in the advertisement	**4400024084**
3. State Project Number(s), if shown in the advertisement	**H.009300.5**
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 Manager; 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 Manager; 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 Manager Date: April 26, 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): Bonton Associates	Firm(s)' %: 11%

12. Past Performance Evaluation Discipline Table:

Evaluation Disciplines	% of Overall Contract	Stanley Consultants (Prime)	Arcadis	Bonton	Fugro	Each Discipline must total to 100%
Road	55%	70%	10%	20%	0%	100%
Traffic	25%	10%	90%	0%	0%	100%
Bridge	15%	100%	0%	0%	0%	100%
Geotechnical	5%	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%	56%	28%	11%	5%	100%

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Stanley Consultants, Inc.	Principal	2	4
Stanley Consultants, Inc.	Supervisor Engineer	7	7
Stanley Consultants, Inc.	Supervisor - Other	2	4
Stanley Consultants, Inc.	Engineer	3	3
Stanley Consultants, Inc.	Engineer Other	1	4
Stanley Consultants, Inc.	Professional	1	1
Stanley Consultants, Inc.	Engineer Intern	1	4
Stanley Consultants, Inc.	CADD Technician	1	3
Arcadis	Supervisor Engineer	4	8
Arcadis	Supervisor Engineer-Other	2	3
Arcadis	Engineer – Other	1	1
Arcadis	Engineering Aide	1	2
Arcadis	Engineer	3	9
Arcadis	Principal	2	4
Bonton	Principal	1	3
Bonton	Engineer	3	4
Bonton	Engineer Intern	2	3
Fugro USA Land, Inc.	Principal	1	1
Fugro USA Land, Inc.	Supervisor-Engineer	2	5
Fugro USA Land, Inc.	Engineer Intern	2	2
Fugro USA Land, Inc.	Geologist	1	2
Fugro USA Land, Inc.	CADD-Operator	1	2
Fugro USA Land, Inc.	Driller	1	3
Fugro USA Land, Inc.	Technician	4	8
Fugro USA Land, Inc.	Administrative	1	2
Fugro USA Land, Inc.	Clerical	1	2

14. Organizational Chart:

TEAM ORGANIZATION

The Hooper Road project will require a team that has technical expertise, similar CMAR experience, past working relationships, is familiar with the anticipated challenges, and knows the participating stakeholders. Stanley Consultants is providing DOTD a comprehensive team with on-point experience to address each element of the project. Our Team members bring an unmatched depth of knowledge of the CMAR process, and project challenges/opportunities for this assignment. Our proposed Key Team members have a combined 260 years of roadway design expertise and over 100 years of CMAR and alternate delivery experience.

LOUISIANA DOTD PROJECT MANAGER
Tim Nickel, PE

PRINCIPAL IN CHARGE
● Rob Pratt, PE ♦

QA/QC
● Buddy Porta, PE ♦ #

PROJECT MANAGER
● Blake Roussel, PE, PMP ♦

CMAR CONTRACTOR

DESIGN COORDINATOR
● Jesse Tisdale, PE ♦

CMAR COORDINATOR
● Rob Pratt, PE ♦

SUPPORT SERVICES COORDINATOR
● Blake Roussel, PE, PMP ♦

ROADWAY DESIGN
- ● Adam Fields, PE ♦
- ● Jared Blohowiak, PE
- ● Jackie Wood
- ● BriAnne Turpin, PE
- ● Hannah Newhard, PE
- ● Jose Rodriguez, PE ♦
- ● Gabriel Arias, PE
- ● David Fulks, PE

DRAINAGE
- ● Darius Bonton, PE, MBA
- ● Charles Caballero, PE
- ● Kiran Gurung, PE

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

VALUE ENGINEERING
- ● Gary Melita, PE

CONSTRUCTABILITY
- ● Mike Chase, PE

COST ESTIMATING
- ● Dan Cluff

TRAFFIC ANALYSIS
- ● Akhil Chauhan, PE, PTOE, PTP, PMP* ♦
- ● Ari Deitch, PE, PTOE*
- ● Kester Hollier, PE, PTOE* ♦
- ● TJ Scarberry, PE, PTOE* ♦

PERMITTING○
- ● Greg Badon

PUBLIC INVOLVEMENT○
- ● Greg Badon

GEOTECHNICAL
- ● Eric R. Marx, PE ♦
- ● Sam Bryant, PhD, PE
- ● Paul Bullock, PhD, PE
- ● Jack Koban, PhD, PE, PG ♦

UTILITY COORDINATION
- ● Jim Smith, PE #

LEGEND
- ● Stanley (Prime)
- ● Arcadis
- ● Bonton
- ● Fugro
- Key Team Member
- ♦ Meets MPR Criteria - See Resume
- # Part-time employee
- ○ Available as needed
- * Meets Traffic Engineering Process and Report Training Requirements

The Stanley Consultants team was carefully assembled to assure compliance with DOTD required MPRs. Our core leadership team of Blake, Jesse and Rob all meet MPRs 1 and 2. With decades of design-build and CMAR experience, Rob also fulfills the requirement of MPR 3 requiring "a minimum of five (5) years of experience in responsible charge of urban freeway transportation projects delivered by an alternative delivery team, such as design build or CMAR."

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	Rob Pratt, PE	Stanley Consultants	Civil Eng / 46614	LA	Sep 30, 2022
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
2	Jesse Tisdale, PE	Stanley Consultants	Civil Eng / 40972	LA	Mar 31, 2023
3	Rob Pratt, PE	Stanley Consultants	Civil Eng / 46614	LA	Sep 30, 2022
4	Luis Santana, PE	Stanley Consultants	Civil Eng / 42265	LA	Mar 31, 2024
4	Dan Shiosaka, PE	Stanley Consultants	Civil Eng / 37536	LA	Mar 31, 2023
5	Luis Santana, PE	Stanley Consultants	Civil Eng / 42265	LA	Mar 31, 2024
6	Adam Fields, PE	Stanley Consultants	Civil Eng / 35614	LA	Sep 30, 2022
6	Lloyd “Buddy” Porta, Jr., PE	Arcadis	Civil Eng / 16425	LA	Sep 30, 2023
6	Jose L. Rodriguez, PE	Arcadis	Civil Eng / 30492	LA	Mar 31, 2023
7	TJ Scarberry, PE	Stanley Consultants	Civil Eng / 44867 PTOE / 3366	LA USA	Mar 31, 2023 Dec 26, 2024
7	Ahkil Chauhan, PE, PTOE, PTP, PMP	Arcadis	PE / 33703 PTOE / 2544 PTP / 246 PMP / 1444676	LA USA USA PA	Sep 30, 2022 Nov 24, 2023 Dec 01, 2024 Aug 15, 2023
7	Kester Hollier, PE, PTOE	Arcadis	PE / 34304 PTOE / 3928	LA USA	Mar 31, 2023 Nov 18, 2024
8	Eric Marx, PE	Fugro USA Land, Inc.	Civil Eng / 31479	LA	Mar 31, 2023
9	Jack Koban, PhD, PE, PG	Fugro USA Land, Inc.	Enviro / 36060 PG, Geosci / 1045	LA, LA	Mar 31, 2023 May 10, 2023

16. Staff Experience:.

Firm employed by	Stanley Consultants, Inc.			
Name	Blake Roussel, PE, PMP	Years of relevant experience with this employer	14	
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization		BS / 2003 / Civil Engineering		
Active registration number / state / expiration date		PE #33279/ LA / Sep 30, 2023; PMP #2018301 / USA / Mar 22, 2023		
Year registered	2007	Discipline	Civil Engineering / Project Management Professional	

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, CMAR Contractor coordination **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. As project manager, he will provide efficient roadway corridor designs and plan development, rigorous preparation of contracts and specifications, and sensible project scheduling. 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.

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

Meets MPRs No. 1 and 2

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 Transportation 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 / 03-31-2022; PE #32964 / CO / 10/321/2023		
Year registered	1998	Discipline	Civil Engineering	

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

Meets MPRs No. 1 and 3

Contract role(s) / brief description of responsibilities

Contract Role: Principal in Charge for contract and resource allocation / CMAR Coordinator

Responsibilities: Assist the management and design teams with knowledge of CMAR process, teaming with contractor, incorporating value into the project and keeping project focused

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. For the Hooper Road project, he will assist the team with his knowledge of CMAR process coupled with his ability to understand and work in unison with contractors.

His strongest trait is the ability to creatively approach the design and construction processes by looking for practical alternatives and working outside the box to help keep projects on schedule and budget to maintain client satisfaction. Because of his diverse background, he is a strong advocate of the CMAR process, with contractors and engineers working in unison for a common goal. He will be responsible for assisting the team, facilitating meetings, and utilizing his decades of alternate delivery experience to keep the project team focused.

» Rob has served as Subject Matter Expert for CMAR and alternative delivery at multiple local, state and national engineering/construction conferences.

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	**LA 30; Baton Rouge, 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.

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:** Design Coordinator **Responsibilities:** Manage the design team, update schedules, confirm accuracy and consistency of all design elements prior to submittal to QC, work with contractor as part of the CMAR process with teaming, reviews, estimates and adding value to the project. **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. For this project Jesse will be Blake's right hand, assuring all roadway design elements are completed on time and budget. He has a very diverse transportation background and brings a pragmatic approach to each project. Jesse believes in ergonomic, safe and cost-effective design. The goal is to not over complicate a non-complex road design project. 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 sub consultant on this project responsible for all road design between Highland Road and the Bayou Duplantier Bridge. Jesse is the project manager for Stanley Consultants. He is responsible for the oversite 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	Dan Shiosaka, PE, SE		Years of relevant experience with this employer	30	
Title	Principal Transportation 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 #31227 /CO / Oct 31, 2023		
Year registered	1996	Discipline	Civil Engineering		

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.

Dan's 45 years of structural design will assist the team in the planning and development of any type of wall, box or bridge.

Meets MPR No. 4

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	Adam J. Fields , PE		Years of relevant experience with this employer	4	
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			BS / 2005 / Civil Engineering		
Active registration number / state / expiration date			PE #35614 / LA / 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 and roundabouts in accordance with DOTD standards and specifications. His experience has included project/task management, roadway alignment studies; development of horizontal and vertical geometrics; typical sections; intersection details; roadway drainage calculations, earthwork design; development of traffic control and staging plans, roadside safety features and development of quantities, technical specifications, and construction cost estimates. He is skilled in development of three-dimensional roadway models and roadway design utilizing MicroStation, 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. 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).
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	Gary Melita, PE		Years of relevant experience with this employer	28	
Title	Transportation Engineer		Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization			MS /1 995 / Construction Management; BS/1991/Civil Engineering		
Active registration number / state / expiration date			30516 / AZ / Sep 30, 2023		
Year registered	1996	Discipline	Civil Engineering		

Gary's many years of CMAR experience working with contractors will assist with our Value Engineering.

Contract role(s) / brief description of responsibilities

Contract Role: Value Engineering and Alternate Delivery Expert

Responsibilities: Assist team with CMAR process and Value Engineering efforts/workshop

Bio: Gary has 32 years of experience in design and construction of complex transportation projects and excels at designing urban freeway reconstruction, interchanges and intersections projects. He brings extensive skill in roadway geometrics, roadway modeling OpenRoads (ORD), construction sequencing and maintenance of traffic. In addition to possessing exceptional command of design practices and project development process, he has experience with multiple delivery methods – Design-Bid-Build, Design-Build, and CMAR. His previous experience as an ADOT construction supervisor and assistant resident engineer provides him the ability to fully understand the interaction and coordination between design and construction means and methods.

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).
04/11 - 06/13	**SR 89 Reconstruction - CMAR, Arizona Department of Transportation; Chino Valley, AZ:** Construction Manager at Risk (CMAR) Lead Project Engineer responsible for multi-discipline final design and construction documents for five miles of SR 89 and three roundabout intersections. This $20 million alternative delivery project involved three miles of reconstruction to widen SR 89 from two-lanes to a four-lane urban highway with a new modern roundabout intersection. Our team worked closely with the CMAR contractor to coordinate all aspects of the context-sensitive design to incorporate cost savings, address constructability and construction phasing while maintaining business accesses and accommodate the CMAR's critical path scheduling.
05/15 - 08/19	**SR 260 I-17 to Thousand Trails CMAR, Arizona Department of Transportation, Camp Verde, AZ:** Project Manager responsible for multi-disciplinary design oversight activities for this $34 million CMAR project to reconstruct more than 7 miles of SR260 roadway into a divided highway, including seven modern roundabout intersections. Coordinated closely with the CMAR contractor to integrate preferred construction means and methods into project development focused on MOT plans and earthwork management.
02/15 - 03/16	**SR 202L South Mountain Design Build; Fluor/Granite Construction/Ames Construction JV, Arizona Department of Transportation , Phoenix, AZ:** Segment roadway lead responsible for the Salt River Segment this $980 million design-build project to construct 21.5 miles of new eight-lane urban freeway. Salt River Segment encompassed 7.5 miles of mainline freeway with seven diamond interchanges; 15 bridges including the two - 3000'+ bridges over the Salt River, a 230' long multi-span pedestrian bridge, retaining walls; drainage systems and signing, pavement marking, lighting and MOT and extensive utility coordination and relocations. The approximate construction value for the Salt River Segment was $340 million and had a 10-month design schedule. The project design was completed on fast track with multiple interdisciplinary and constructability reviews and a rigorous design quality control process and extensive documentation of quality control activities.

09/12 - 04/17	**US60/303 CMAR; Arizona Department of Transportation; Arizona:** Project Manager responsible for managing design activities for this $45 million CMAR project which replaces the existing interchange with a traffic interchange that provides improved connectivity between US60 and SR303L. Construction included widening a four span SR303L structure over US60 and the BNSF Railroad, retaining and sound walls, onsite and offsite drainage facilities, lighting, traffic signals, FMS, signing/pavement marking, erosion control, utility relocations, and traffic control. Collaborated with the CMAR contractor to develop, a refined construction staging plan and traffic control plan.
08/10 - 11/11	**SR 24 Gateway Freeway; Arizona Department of Transportation; Arizona:** Lead project engineer responsible for multi-discipline final design and construction documents for one mile of SR24 and a system TI at SR 202L. Construction of this $100 million award winning project included new SR24 mainline, SR202L widening, Ellsworth Rd reconstruction, numerous bridges, retaining walls, onsite and offsite drainage facilities, concrete channel, erosion control, traffic signals, FMS, lighting, signing/pavement marking, and traffic control.
08/21 - 04/22	**I-10; Broadway Curve Design Build, Arizona Department of Transportation, Phoenix, AZ:** Project Lead for ADOT's I-10 Broadway Curve Design Build Project which is currently under construction in the Phoenix metropolitan area. This $ 615M project involved construction of new collector distributor roads, widening of I-10, a complete new system interchange of SR 143 with I-10, HOV lanes, drainage improvements, utilities, lighting, ITS, signing and marking, and complicated Maintenance of Traffic on this heavily traveled route which sees as much as 180,000 – 200,000 VPD.
06/18 - 03/22	**Houghton Road TI; Arizona Department of Transportation, Tucson, AZ:** Project Manager for the new $30 million Traffic Interchange (TI) at Houghton Road and I-10. The TI project included reconstruction and replacement of a spread diamond traffic interchange with a new Diverging Diamond TI (DDI) to address significant traffic congestion issues. The project includes reconstruction of the Houghton Road overpass with a new widened lengthened bridge, and full ramp reconstructions to accommodate future widening of I-10.
11/03 - 07/08	**SR 202L Design Build (Red Mountain Freeway) General Consultant, Arizona Department of Transportation, Phoenix, Tempe, Mesa, AZ:** Project Manager responsible for managing design oversight activities in support of the Arizona Department of Transportation. Services focused providing oversight of the Design Builder's design for adherence to the contract documents and ADOT's standards prior to ultimate release for construction, resolution of construction issues and construction oversight. This $188 million design-build project involved widening of 8 miles the SR 202L mainline and widening of 19 bridges, including the mile-long Salt River Bridge.
10/12 - 07/19	**I-19/Ajo Way (SR86) Traffic Interchange; Arizona Department of Transportation, Tucson, AZ:** Project Engineer for the new TI at Ajo Way (SR86) and I-19. The TI project included reconstruction and widening of southbound I-19 between Ajo Way and Irvington Rd; a new braided Irvington Road/I-19 southbound off-ramp with the Ajo Way/I-19 southbound on-ramp; a new bridge by ADOT Bridge Group over the Santa Cruz River at Ajo Way (SR86); reconstruction and widening of Ajo Way (SR86) east and west of I-19; and replacement of a pedestrian bridge over I-19 near Michigan Street. Additional improvements included work to alleviate historical flooding issues at the Rodeo Wash, Irvington Wash, and adjacent neighborhoods. The work also included retaining walls, sound walls, onsite and offsite drainage facilities, first flush retention basins, MOT, pavement marking; signing, lighting, signals, FMS, and other related work.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Mike Chase, PE		Years of relevant experience with this employer	38	
Title	Transportation Engineer		Years of relevant experience with other employer(s)	3	
Degree(s) / Years / Specialization			BS / 1981 / Civil Engineering		
Active registration number / state / expiration date			20893 / AZ / Jun 30, 2023		
Year registered	1987	Discipline	Civil Engineering		

Mike will draw on his 40 years of experience to provide oversight and direction on the Constructability and CMAR functions for the project.

Contact Role: Constructability Expert

Responsibility: Assist team with CMAR process especially in regards to constructability

Bio: Mike has over 40 years of diverse experience in design and construction of complex transportation projects. He has strong technical skills, knowledge and experience on multi-disciplinary project teams and an extensive quality control background. Mike has served as Project Manager, Design Manager, and QC Manager on over 50 urban heavy highway and bridge projects including alternative delivery projects. Mike is experienced and well versed with Alternative Construction Delivery methods such as Design Build and CMAR and has an excellent reputation as a Subject Matter Expert in this area. He is recognized for his overall construction experience and a thorough understanding of contractor means and methods, construction phasing and maintenance of traffic.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/11 - 06/13	**SR89 Reconstruction CMAR; Arizona Department of Transportation; Arizona:** Project Manager for design and coordination for ADOT's first CMAR project. This $20 million alternative delivery project involved three miles of reconstruction to widen SR 89 from two-lanes to a four-lane urban highway with a new modern roundabout intersection. Our team worked closely with the CMAR contractor to coordinate all aspects of the context-sensitive design to incorporate cost savings, address constructability and construction phasing while maintaining business accesses and accommodate the CMAR's critical path scheduling.
05/15 - 08/19	**SR 260 I-17 to Thousand Trails CMAR; Arizona Department of Transportation; Arizona:** Project Manager responsible for multi-disciplinary design oversight activities for this $34 million CMAR project to reconstruct more than seven miles of existing SR260 roadway into a divided highway including seven modern roundabout intersections. Coordinated closely with the CMAR Contractor to integrate preferred construction means and methods into project development focused on Maintenance of Traffic (MOT) plans and earthwork management.
02/15 - 12/17	**SR 202L, South Mountain Design Build; Arizona Department of Transportation; Arizona:** Project Manager for the Salt River Segment this $980 million design-build project to construct 21.5 miles of new eight-lane urban freeway. Salt River Segment encompassed 7.5 miles of mainline freeway with seven diamond interchanges; 15 bridges including the two - 3000'+ bridges over the Salt River, a 230' long multi-span pedestrian bridge, retaining walls; drainage systems and signing, pavement marking, lighting and MOT and extensive utility coordination and relocations. The approximate construction value for the Salt River Segment was $340 million and had a 10-month design schedule. The project design was completed on fast track with multiple interdisciplinary and constructability reviews and a rigorous design quality control process and extensive documentation of quality control activities.

09/19 - 07/20	**I-10 Broadway Curve Design Build Project; Arizona Department of Transportation:** Mike Chase served as Professional Services Quality Manger (PSQM) for this project which is currently under construction in the Phoenix metropolitan area. This $615M project involved construction of new collector distributor roads, widening of I-10, a complete new system interchange of SR 143 with I-10, HOV lanes, drainage improvements, utilities, lighting, ITS, signing and marking, and complicated Maintenance of Traffic on this heavily traveled route which sees as much as 180,000 – 200,000 VPD. Mike's responsibilities included verifying all QA/QC activities were strictly followed for a team of eight engineering firms on every submittal that was processed across his desk.
11/15 - 12/16	**I-19/Ajo Way (SR 86) Traffic Interchange; Arizona Department of Transportation; Tucson, AZ:** Project Manager responsible for managing design activities, overall schedule and budget control and stakeholder coordination. The $78 million project will fully reconstruct and expand an obsolete partial cloverleaf ("Par-Clo") interchange at Ajo Way (SR86) and I-19 with a modern Single Point Urban Interchange (SPUI). The work also included retaining walls, sound walls, onsite / offsite drainage facilities, pavement marking; signing, lighting, signals, and FMS. Project required extensive construction sequencing and maintenance of traffic plans. Responsible for QC/QA oversight providing both direct input in plan review and oversight of all phases of design quality control activities and verification of conformance with design standards.
09/12 - 04/17	**US60/303 Interchange CMAR; Arizona Department of Transportation; AZ:** Project Engineer responsible for managing design oversight activities for this $45 million CMAR project which replaces the existing signalized connector road intersections with a traffic interchange that provides improved connectivity between US60 and SR303L. Collaborated with the CMAR contractor to develop, a refined construction staging plan and traffic control plan.
08/10 - 11/11	**SR 24 Gateway Freeway; Arizona Department of Transportation; AZ:** Project Engineer responsible for managing design activities, overall schedule and budget control, and QA/QC oversight. This $100 million award winning project included the design of a four-level fully directional urban freeway TI; over a mile of new urban freeway; an interim half urban diamond TI; widening existing SR202L; and a half-mile of arterial roadway reconstruction. The project included nine major roadway bridges consisting of four multi-span directional flyover ramp bridges, four other multi-span AASHTO girder bridges, and widening of an existing box girder bridge.
05/06 - 12/10	**I-17 Widening Jomax Road to SR74, Arizona Department of Transportation, Arizona:** Project Manager responsible for final design and coordination of all facets of the project. This project reconstructed and widened I-17 to a minimum of three general purpose lanes plus an HOV lane in each direction of travel separated by a concrete median barrier. This segment of I-17 is a four-lane divided fringe-urban highway that is a heavily traveled commuter route. Included are four existing interchanges and provisions for a future freeway-to-freeway system interchange. A temporary high-speed four-lane detour of I-17 was required to accommodate the construction of the future freeway-to-freeway system interchange.
12/05 - 06/10	**SR 51 HOV Shea Boulevard to Junction 101L, Arizona Department of Transportation:** Principal Transportation Engineer responsible for design team oversight. Stanley Consultants was selected to design a 10-mile freeway widening project to extend the HOV lanes north from Shea Boulevard within the existing open median and to provide a two-way HOV directional ramp connection to SR 101L to the east at the SR 51/SR 101L system TI. The Design Concept Report, developed by others, depicted a 33-span bridge approximately 3,620 feet long by 61 feet wide. A revised bridge design was developed that reduced bridge length by 33 percent and reduced cost by approximately $10 million of the total project cost. *Stanley Consultants earned an Outstanding performance rating from the Arizona Department of Transportation.*
09/05 - 07/06	**I-17/Jomax Road and Dixileta Drive Traffic Interchange, Arizona Department of Transportation:** Principal Transportation Engineer responsible for design team oversight. This project included construction of a new compact diamond interchange on I-17 at Jomax Road and a compact half diamond interchange on I-17 at Dixileta Drive; conversion of parallel two-way frontage roads from Happy Valley Road to Dixileta Drive to one way; and construction of auxiliary freeway lanes from Happy Valley Road interchange to Jomax Road interchange. At the I-17 and Happy Valley Road interchange, the existing roundabouts were revised to reflect the change from two-way frontage road entry to a one-way frontage road entry. Stanley Consultants prepared the design concept report, which included alternatives to make the Jomax Road interchange with twin roundabout ramp terminals; prepared a change of access report; and developed final construction plans, specifications, and estimates.

16. Staff Experience:

Firm employed by	Stanley Consultants				
Name	BriAnne Turpin, PE		Years of relevant experience with this employer	5	
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering		
Active registration number / state / expiration date			51481 / AZ / 09-30-2022		
Year registered	2010	Discipline	Civil Engineering		

BriAnne will provide the team with nearly two decades of urban transportation design experience.

Contract role(s) / brief description of responsibilities

Contract Role: Design Engineer

Responsibilities: Assist the team with Transportation Design

Bio: BriAnne has professional experience with transportation planning, design, and traffic engineering, including the preparation of project assessments, safety studies, alternative development, and evaluation for retrofitting or enhancing multi-model accommodations. She has managed and participated in the design of signing and pavement marking, traffic signal plans, roadway plans, and maintenance of traffic and construction sequencing. She has experience working with a variety of jurisdictions on projects involving various roadway classifications, different land uses, levels of intensity, and degrees of complexity.

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 - 04/22	**H.011137 I-12: LA 21 to US 190; DOTD; St. Tammany Parish, LA:** Design engineer providing plan layout and quantity calculations for pavement marking, signing, and traffic control associated with the widening and rehabilitation of I-12 to the median side from a four-lane freeway to a six-lane freeway section in both the East and West bound directions, including auxiliary lanes.
03/17 - 04/22	**H.010960 LA 30 Roundabouts at Tanger I-10; DOTD; Ascension Parish, LA:** Design engineer assisting with roadway design plans and pavement marking, signing, and traffic control associated the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA.
03/20 - 9/20	**Access Management Manual; City of Buckeye; Buckeye, AZ:** Senior Engineer responsible for the QA/QC of the access management technical memorandum which documented the development of access management standards for all City functional roadway classifications. Responsibilities also included obtaining and documenting the access management policies and ordinances currently being implemented at a State level and by various cities and jurisdictions within Maricopa County. This information was used to fill in deficiencies in the current City of Buckeye access management policies and ordinances such as access spacing requirements, design standards, incorporating access management with new land development projects, and access approval and permit process.
08/17 - 06/21	**Pinnacle Peak Road, 43rd Avenue to 35th Avenue; City of Phoenix; Phoenix, AZ:** Senior Traffic Engineer responsible for the development of the traffic signal and signing and marking plans. BriAnne oversaw and checked the work of team members and completed final calculations, plans, specifications and cost estimate for the widened roadway. BriAnne was also responsible for coordination with City staff to ensure all City requirements were met. Stanley Consultants prepared construction documents to widen Pinnacle Peak Road from two lanes to four lanes. The project included preparing a hydrologic analysis, sizing a storm drain system to capture and convey the runoff to an acceptable outfall, and upgrade existing curb returns to make them ADA compliant. Other design features included new lighting on the south side of the improvements and provide infill lighting on the north side of the roadway.

06/16 – 02/17	**Access Management Manual; Pinal County Public Works Department; Pinal County, AZ:** Traffic Engineer responsible for the QA/QC of the access management technical memorandum which documented the development of access management standards for all County functional roadway classifications. Responsibilities also included the development of the County's 2016 Access Management Manual that documents the recommended access management standards for all functional roadway classifications. A stand-alone Access Management Manual was prepared for all street classifications in Pinal County.
05/15 - 01/20	**Osborn Road, 19th Avenue to 20th Street Pre-Design Study; City of Phoenix, Phoenix, AZ:** Project Manager responsible for managing the development of the bicycle improvement project, conducting field inventory of the Osborn Road Corridor determining bicycle and pedestrian deficiencies, developing and evaluating the proposed design alternatives for retrofitting or enhancing bicycle accommodations, developing cost estimates and implementation schedule for recommendations. Responsibilities also included coordinating with the City and attending meeting with City staff, providing information for public information meetings conducted by City staff, and project invoicing. A pre-design study and 15% plans were developed recommending a preferred alternative for the implementation of bicycle and pedestrian improvements that will add other transportation modes, increase connectivity and preserve vehicle access within the Osborn Road corridor.
02/20 - 06/21	**US 95, Avenue 9E to Rifle Range Road Widening; Yuma County; Arizona Department of Transportation:** Senior Traffic Engineer responsible for the managing the development of the traffic engineering final design elements for the US 95 widening project including the signing and pavement marking and traffic control plans, specifications and estimate. BriAnne's responsibilities include managing and QA/QC of the signing and pavement marking and traffic control plans, specifications and estimate. Stanley Consultants is responsible for the design of widening US 95 from Avenue 9E to Rifle Range Road. The work includes widening the existing two-lane US 95 and constructing a new bridge over the Gila Main Canal. Temporary signal plans were developed to accommodate the shift of US 95 and Fortuna Road traffic to accommodate construction activities. Final pavement marking plan view sheets at 40-scale were developed for US 95 and Fortuna Road.
07/20 - 04/22	**SR 101 Loop, General Purpose Lanes, 75th Avenue to I-17, Arizona Department of Transportation, Phoenix, AZ:** Lead Traffic Engineer responsible for managing the development of the traffic model and preliminary traffic report that presents existing traffic volume data, existing crash data, traffic volume projections for the design year 2040, as well as design year roadway capacity calculations the general purpose lane widening project. BriAnne coordinated with the ADOT, COP, City of Glendale, MAG and subconsultants to ensure all requires are being met to move project along. She is also responsible for managing the development of the traffic engineering final design elements for the SR 101L general purpose lane widening project including the traffic control, signing and pavement marking and lighting plans, specifications and estimate.
12/18 - 04/22	**SR 24, Ellsworth Road to Ironwood Road, Final Design, Arizona Department of Transportation, Mesa, AZ:** Traffic Engineer responsible for design of traffic control plans, specifications and estimate as well as the lighting design between SR 202 and Ellsworth Road. SR 24 currently ends at Ellsworth Road. This project will extend SR 24 to Ironwood Road and will include an overpass and extension of the freeway mainline over Ellsworth Road, which addresses a major point of congestion.
6/18 - 3/22	**I-10, Houghton Road Transportation Interchange, Final Design, Arizona Department of Transportation, Tucson, AZ:** Traffic Engineer responsible for traffic control plans, specifications and estimate for the first Diverging Diamond TI in southern Arizona. Responsibilities also included development of advance warning sign details, trailblazing details and temporary signal layout.
09/17 - 04/22	**Northern Pkwy Dysart Road Traffic Interchange, Maricopa County Department of Transportation, Phoenix, AZ:** Civil Engineer responsible for final design of a new bridge carrying Northern Parkway over Dysart Road. Oversaw and checked the work of an Engineer in Training and completed final calculations, plans, specifications and cost estimate for the new bridge.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.			
Name	Hanna Newhard, PE		Years of relevant experience with this employer	8
Title	Transportation Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / Civil & Environmental Engineering / 2018; BS / Civil Engineering / 2015	
Active registration number / state / expiration date			69331 / Arizona / Sep 30, 2022	
Year registered	2019	Discipline	Civil Engineering	

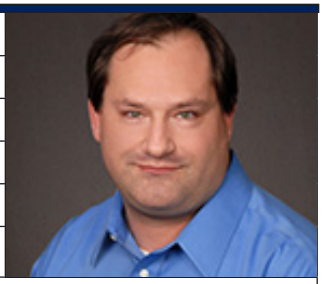
Contract role(s) / brief description of responsibilities	**Contract Role:** Design Engineer **Responsibilities:** Assist the team with complete streets, and Intersection/Roundabout Design **Bio:** Hannah has professional experience since 2014, with an M.S. in Civil Engineering. She is knowledgeable in civil / roadway engineering and specializes in traffic studies, operations and design of traffic engineering related elements for street, highway, intersections and roundabouts. Hannah's experience includes analysis of traffic volumes, crash data and level of service; and design of roadways, intersections, roundabouts, signing and pavement marking, roadway lighting, construction phasing layout and maintenance of traffic plans. Hannah's combination of nationwide roundabout experience and familiarity with DOTD plan development requirements make her the perfect fit to supplement our local in-house roadway design team.

Hanna will provide the team with design experience to assist with any intersection/ roundabout designs.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/17 - 04/22	**H.010960 LA 30 Roundabouts at Tanger I-10; DOTD; Ascension Parish, LA:** Design engineer assisting with roadway design plans and pavement marking, signing, and traffic control associated the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA.
09/16 - 04/22	**H.011137 I-12: LA 21 to US 190; DOTD; St. Tammany Parish, LA:** Design engineer providing plan layout and quantity calculations for pavement marking, signing, and traffic control associated with the widening and rehabilitation of I-12 to the median side from a four-lane freeway to a six-lane freeway section in both the East and West bound directions, including auxiliary lanes.
05/15 - 09/20	**SR 260 Thousand Trails Corridor Reconstruction CMAR; Arizona Department of Transportation:** Design engineer responsible for preparing signing and pavement marking plans for seven roundabouts in a seven-mile segment of SR 260. Also prepared sign summaries and quantities, created sign formats in SignCAD, assisted in lighting analysis using AGi32 and preparing lighting and maintenance of traffic plans associated with reconstruction of more than 7 miles of existing SR260 roadway into a divided highway.
05/15 - 01/20	**SR 89 Corridor (SR 89A to South Chino Limits) Reconstruction and Roundabouts Project | Arizona Department of Transportation:** Design engineer responsible for preparing signing and pavement marking plans for a one-and-a-half-mile segment of SR89 roadway including one roundabout, prepared sign summaries and quantities and created sign formats in SignCAD and sign structure elevation sheets.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Luis Santana, PE		Years of relevant experience with this employer	16	
Title	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 / 2023; PE.0042265 / 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 and bridge tasks.

Meets MPR Nos. 4 & 5

Contract role(s) / brief description of responsibilities

Contract Role: Structural Engineer

Responsibilities: Support all aspects of bridge and structural design. Oversee bridge rating analysis

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.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	TJ Scarberry		Years of relevant experience with this employer	12	
Title	Transportation 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		3366 / USA / Nov 26, 2024; 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.

Meets MPR No. 7

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	Dan Cluff, MBA		Years of relevant experience with this employer	1
Title	Senior Cost Estimator		Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization			MBA / 2009 / Business Administration; BS / 2001 / Construction Management	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	

Dan will rely on his specialized cost estimating experience to provide accurate engineering cost estimates.

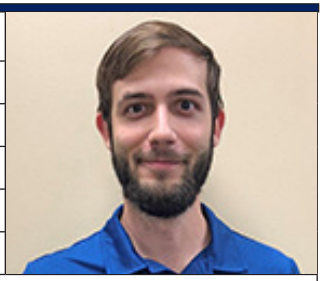
Contract role(s) / brief description of responsibilities	**Contract Role:** Lead Estimator **Responsibility:** Lead the development of Engineer's Estimates and assist with CPM scheduling as necessary **Bio:** Dan brings over 20 years of experience, including 12 years employment with a heavy civil and transportation contractor, including stints as an estimator and scheduler. He has developed experience with construction means and methods, work breakdown structures, scheduling, cash flow and expenditure forecasting, and resource management. Dan's insight as a former contractor and knowledge of construction methods gives him an invaluable perspective for construction operations and a solid background in risk analysis, value engineering, scheduling, production-based cost estimates and constructability reviews that is fundamental to the CMAR delivery 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).
04/17 - 04/22	**Recovery Roads Program Pontchartrain Park Neighborhood, City of New Orleans, LA:** Cost Estimator. Stanley Consultants was responsible for roadway scoping, pavement rehabilitation design, plan preparation, construction administration, and construction resident inspection for approximately 7.5 miles of urban local roadway. The scoping phase included a Project Scope Report based on the results of pavement damage inspection review and assessment, and its applicable rehabilitation recommendations. The scoping report included scoping plans, pavement rehabilitation quantities, pavement damage inspection photos, as well as a written scoping report
08/20 - 03/21	**Bridge Bundle Project, Colorado Department of Transportation (CDOT), Region 2, CO:** Cost Estimator. CDOT asked Stanley Consultants to build an Independent Cost Estimate for each of the 19 bridges to be included in the package that would be sent in the Request for Proposal to potential Design Build teams interested in the project. Dan built 19 standalone independent estimates, eight of which included shooflies. These estimates included real time unit prices and subcontractor costs for rural southern and western Colorado that Dan gathered by communicating with local contractors and suppliers in both areas. During the independent estimating process, CDOT and the Stanley Consultants Design/Estimating team collaborated weekly to create the final product to be used in their Design Build RFP.
05/12 - 10/18	**Water Hammer Hazard Mitigation Project, Sewerage & Water Board of New Orleans, New Orleans, LA:** Cost Estimator. Stanley Consultants provided planning, design and complete construction engineering services at the Carrolton Water Treatment Plant in New Orleans. The project consisted of the rehabilitation of three pump stations with a total capacity of 170 MGD and the addition of two storage reservoirs each with a capacity of 2 MG. Design elements included the replacement of eight pumps, 40-45 MGD each; a pump surge analysis; 1,500 to 2,250-hp variable-speed drives; and specially designed check valves to reduce surge on pump start.

05/20 - 10/21	**56th Avenue Road Widening Project , City and County of Denver, CO:** Cost Estimator. Dan built an independent estimate that was used to benchmark the total cost for the work against the contractor's design build estimates. He worked to define scope, research prices, and price the project with current market costs. This estimate was accepted by the city and county of Denver and was within a few percent of another independent estimate provided to the client. Senior Cost Estimator responsible for the CDOT Region 2 Bridge Bundle Design-Build project consisted of the replacement of a total of 19 structures bundled together as a single project. These structures are rural bridges on essential highway corridors (US 350, US 24, CO 239 and CO 9) in southeastern and central Colorado. These key corridors provide rural mobility, intra- and interstate commerce, movement of agricultural products and supplies, and access to tourist destinations. Eight of these bridges had one-lane or two-lane shooflies. Dan estimated each one carefully to ensure the proper functionality of the shoofly and the project. These estimates were used as part of the design-build RFP that the client used to benchmark the costs and allocate funds effectively for the project.
03/21 - 04/21	**Cost Estimating Services, Utah Department of Transportation, Complex, Salt Lake City, UT:** Senior Cost Estimator responsible for building independent cost estimates for design, bid, build projects in development and used to verify the engineer's estimates. Also did market research and inflation trend analysis for the department.
09/14 - 04/22	**Flood Mitigation System, Sinclair Levee (Cedar River/City Service Center), City of Cedar Rapids, City Services Center, Cedar Rapids, IA**: Cost Estimator. For this long-term engineering and design program, Stanley Consultants designed more than 2 miles of flood protection through highly urbanized areas affected by the 2008 flood of the Cedar River. We provided engineering and design for a temporary pump station located at 5th Avenue on the east side of the Cedar River. The project consists of two gates well structures, large diameter stormwater piping, sluice gates to isolate the stormwater system from the Cedar River, pump station and piping and connections and temporary diesel pumps. The technical review focused on both pumped and gravity system hydraulics, operability during flood and precipitation events, and public safety. Flood protection resulted in creation of the East Side Riverfront Park through downtown Cedar Rapids. Several projects, including Sinclair Levee, Pump Station, and Detention Basin, were constructed in 2017.
07/16 - 09/20	**Conceptual Planning, U.S. Department of Agriculture, APHIS, Moore AB, IA:** Cost Estimator. Stanley Consultants under an Indefinite-delivery indefinite-quantity contract provided nationwide A/E services including architectural, mechanical, electrical, plumbing, environmental, fire protection, civil, and structural work for the preparation of contract drawings, specifications, cost estimates, and associated services such as LEED design services, NEPA documentation and environmental assessments, designer-of-record services, commissioning, value engineering, design (peer) review, master planning, facility inspection for deficiencies, obtaining various permits, construction management, geotechnical investigations, surveying, life cycle analysis, and performing Construction Inspection Contractor services.

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		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: Roadway 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	Jim Smith, PE, PLS		Years of relevant experience with this employer	16	
Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	30	
Degree(s) / Years / Specialization		Bachelor of Science / 1976 / Civil Engineering			
Active registration number / state / expiration date		19893 / LA / Mar 31, 2023			
Year registered	1982	Discipline	Civil Engineering		

Jim will bring his 46 years of engineering experience to his tasks of coordinating with affected utility companies.

Contract role(s) / brief description of responsibilities

Contract Role: Utility Coordination

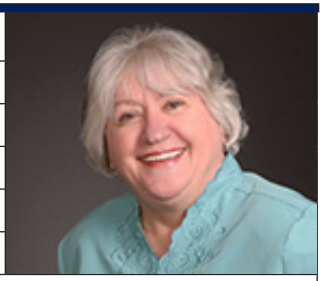
Responsibilities: Jim will coordinate with affected utility companies to help determine how they will be impacted by this project. He will work with our design team to find mutually beneficial solutions during design. This will prevent future delays occurring during construction due to utility conflicts.

Bio: Jim has served as Project Manager, Design Engineer and Lead Engineer for numerous roadway design projects throughout his career. He has experience negotiating contracts with clients and estimating production costs and project multipliers. His project experience includes preparing design plans and supervising design for highways, urban roadways, traffic congestion studies, surveying, construction management, drainage improvements, and bridge inspections. Jim's recent projects include working with City of Baton Rouge; Baton Rouge Metropolitan Airport; Louisiana Department of Transportation and Development; Louisiana Department of Natural Resources; Office of State Parks; City of Slidell; City of Natchez, MS; St. Landry Parish Airport; Jefferson Parish; Terrebonne Parish; and St. John the Baptist Parish.

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).
10/16 - 01/17	**Recovery Roads Program - Pontchartrain Park Neighborhood, City of New Orleans, New Orleans, LA:** Project Manager responsible for the repairs to roadways damaged during Hurricane Katrina. Stanley Consultants was responsible for the visual inspection of the roadways to verify the damage, preparation of plans and specifications, cost estimate and construction support as required by the owner.
04/12 - 10/12	**Paths to Progress Groups 21, 24, 33, DOTD, LA:** Project Manager responsible for the repairs to roadways damaged during Hurricane Katrina. Stanley Consultants was responsible for the visual inspection of the roadways to verify the damage, preparation of plans and specifications, cost estimate and construction support as required by the owner.
03/07 - 10/07	**Highland Road Improvements Design, City/Parish of East Baton Rouge, East Baton Rouge Parish, LA:** Project Manager in a sub-consultant role responsible for oversight of the design team designing the subsurface drainage for the Highland Road. The project included widening the existing two-lane Highland Road with open ditches to a four-lane divided roadway with subsurface drainage. Stanley Consultants designed the roadway side inlets, calculated the subsurface culvert sizes, and incorporated the proposed drainage system into the roadway design. Stanley Consultants provided a scour analysis for the two bridges located on the proposed roadway along with a hydraulic analysis of the canal to determine the high water elevation and flow through the bridge. This drainage improvement scope of work is similar to that required by the Nicholson Drive Segment 2 project.
09/16 - 01/17	**H.011137 I-12 LA 21 to US 190, DOTD, St. Tammany Parish, LA:** Principal Engineer responsible for leading QA/QC activities required for this project. In this role, Jim ensured that the project QA/QC plan was followed. As Principal Engineer Jim also used his vast experience to help the project team troubleshoot solutions to challenges that arise during design.

16. Staff Experience:

Firm employed by	Stanley Consultants, Inc.				
Name	Jackie Wood		Years of relevant experience with this employer	5	
Title	Senior Transportation 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 design **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 Arcadis					
Name	Lloyd "Buddy" Porta, Jr., PE		Years of relevant experience with this employer	10	
Title	Principal Engineer		Years of relevant experience with other employer(s)	37	
Degree(s) / Years / Specialization			BS / 1973 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date			16425 / LA / Sep 30, 2023		
Year registered	1977	Discipline	Civil Engineer, Environmental Engineer		

Contract role(s) / brief description of responsibilities	**Contract Role:** QA / QC for Roadway Design **Responsibilities:** Project Quality Assurance and Quality Control **Bio:** Mr. Porta brings more than 47 years of experience in the transportation field. During his 37-year career at DOTD, he practiced highway design for 11 years with eight of those years in responsible charge of a design squad. He spent the next 21 years of his career in project/program management. He managed the Off-System Bridge Replacement Program and the Urban System Program. Both programs replaced or constructed new bridges on parish and state routes. In 2001 he was tasked with being DOTD TIMED Program Manager. This $5 billion program was developed to multi-lane over 500 miles of state highways as well as construct three new bridges, two of these bridges across the Mississippi River. He spent the last five years of his career at DOTD as the State Road Design Engineer Administrator.

Buddy's nearly 4 decade career at DOTD will benefit the team with understanding and knowledge related to delivering quality products.

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).
07/15 – 05/19	**Safety Design Retainer - US 190B at Jefferson Ave. Roundabouts, DOTD, Covington, LA. QA / QC Reviewer.** Supported the construction of a new roundabout in Covington as a quality assurance/quality control reviewer for roadway plans. Plans reviewed included the construction of sidewalk for use by pedestrians.
04/12 – 01/14	**US 11 Norfolk Southern Railroad Overpass Replacement Environmental Assessment and Line and Grade Study, DOTD, Slidell, LA.** QA / QC Reviewer. Responsible for DOTD design guideline compliance. Replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. The project included evaluating partial and full0access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. Key issues included the bridge's imminent historic status, commercial parking impacts and adapting to the Norfolk Southern right-of-way and travel pattern changes following the construction.
01/14 – 04/22	**Pete's Highway EA and Alternatives, DOTD, Livingston Parish, LA. QA / QC Reviewer.** Responsible for QA/QC of roadway plans, line and grade, and DOTD design guideline compliance. High-priority project completing an EA and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, and c-d road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue.

10/16 – 02/18	**North Bayou Black Drive Bridge Off-System Highway Bridge Replacement Program, DOTD, Terrebonne Parish, Louisiana.** QA / QC Reviewer. Reviewed plans for the replacement of an off-system highway bridge. Detailed designed effort included field surveying, right of way adjustments, crash barrier selection, hydraulic analysis, preliminary and final plan preparation and quantity estimation.
09/12 – 09/13	**US 165 Connector and Ouachita River Bridge - Environmental Impact Statement, Line and Grade and Toll Study, DOTD, Monroe, LA.** QA / QC Reviewer. Responsible for QA/QC of roadway plans, line and grade, and DOTD design guideline compliance. Three alternatives were developed and evaluated along with various tolling scenarios. All alternatives traverse substantial tracts of wooded wetlands associated with Chauvin Swamp near the Russell Sage Wildlife Management Area.
04/12 – 01/14	**LA 434 Corridor Stage 1 Environmental Assessment, New Orleans Regional Planning Commission, Lacombe, LA. QA / QC Reviewer.** Responsible for DOTD design guideline compliance. EA for the widening and improvements of LA 434 between LA 36 and the anticipated new junction with LA 3241 near LaCombe, Louisiana in St. Tammany Parish. The project involved stream permit application coordination.
10/90 – 10/01 10/05 – 10/10	**Urban System Program MPOs & Urbanized Areas, Statewide, LA.** QA / QC Reviewer. Responsible for the selection of the consultants, coordinating with the Metropolitan Planning Officials (MPOs) and the cities/parishes officials, coordinating with DOTD Planning Section, developing the scope of services and fee for the projects, reviewing the construction plans and providing comments to the consultants and cities / parishes, and approving all invoices. Mr. Porta was responsible for developing the Urban Systems Program Seminar, which provided information on the processes and procedures used in the program. He served as project manager for signal projects in St. Bernard and Orleans Parishes.
09/01 – 05/06	**Transportation Infrastructure Model for Economic Development (TIMED) Program, DOTD, Statewide, DOTD** TIMED Program Manager. Worked and coordinated on a daily basis with the TIMED Program Manager (LTM) to develop training, procedures, policies, and guidelines for the program. This $5 billion program was developed to multi-lane over 500 miles of state highways as well as construct three new bridges; two of these bridges across the Mississippi River. The program manager was required to monitor the progress of the program and had full invoice approval of the consultant's monthly invoice. This position was a member of the TIMED Program Executive Committee and reported to the Secretary of DOTD. This program was mandated in the Louisiana Constitution. There were 16 projects that were recognized throughout the state. Bonds were sold to finance and, therefore, accelerate the program. Over 500 miles of state roadways were multilaned and three new bridge projects were designed.
05/06 – 07/10	**Road Design Engineer Administrator, DOTD, Statewide, LA.** Responsible for transitioning the focus of his section from project management back to roadway design as desired by the Chief Engineer. To support this mandate, brought in training from the FHWA Resource Center in Atlanta, GA to assist the development of a young group. Coordinated the training and provided through the Louisiana Transportation Training Education Center. Developed a Legal Seminar to address the lack of experience in Road Design and other DOTD sections in depositions and representing the Department in court with the assistance of the Attorney General's Office. This seminar was presented in several cities in Louisiana to DOTD employees. Responsible for the development of design criteria for Offset Left Turn Lanes and design guidelines for the replacement of bridges on state routes.
06/84 – 10/90 10/05 – 10/10	**Off-System Bridge Program, DOTD, Stateside, LA.** Replaced / rehabilitated existing bridges located on nonfederal routes in the cities and/or parishes in Louisiana. Provided the project and program management. Responsible for the selection of the qualifying sites, the distribution of the federal funds to the participating parishes, the selection of the design consultant, the coordination with the parishes and the consultants, the development of the scope of services and fee for each project, the technical review of the topographic surveys and construction plans and providing comments to the consultants and parishes, and the approval of all invoices.

16. Staff Experience:

Firm employed by Arcadis				
Name	Jose L. Rodriguez, PE		Years of relevant experience with this employer	1
Title	Senior Civil Engineer		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date			30492 / LA / Mar 31, 2023	
Year registered	2003	Discipline	Civil Engineer	

Contract role(s) / brief description of responsibilities	**Contract Role:** Roadway Design **Responsibilities:** Roadway design and plan development **Bio:** Jose has more than 24 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in the states of Louisiana, Texas, Georgia, and North Carolina. Worked in close relationship with the Louisiana Department of Transportation, City of New Orleans Department of Public Works, New Orleans Sewer and Water Board, Plaquemines Parish, Jefferson Parish, St. Bernard Parish, U.S. Army Corps of Engineers, New Orleans Regional Planning Commission, Marathon Petroleum Co., Yuhuang Chemicals, and others. Extensive experience in Inroads, Autodesk Civil 3d, Leap Bridge for Concrete Bridge Design, and Excel Spread Sheets. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010.

Jose's diverse 25 year career and knowledge of DOTD procedures will assist our team with all aspects of urban roadway design.

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).
05/12 – 12/15	**Earhart Boulevard Causeway Interchange, DOTD, New Orleans, LA**. Project Designer. Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow in traffic for the New Orleans Metro Area. It consisted of the development roadway and bridge ramps for the creation of an elevated signal-controlled interchange. The estimated construction cost for this project was approximately fifty-nine million dollars. Responsible for the development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project. Bentley InRoads was used for the development of the roadway plans for this project.
02/10 – 06/11	**I-10 from Veterans to Clearview, DOTD, Metairie, LA.** Project Designer. Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the new roadway widening. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
07/09 – 07/15	**Peters Road Expansion, Phases I, II and III, DOTD, Plaquemines, LA.** Project Designer. Responsible for the geometric design, plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines, DOTD and the U.S. Army Corps of Engineers.

01/08 – 05/08	**Stage 0 Feasibility Study - I-12 to Bush Corridor Study Phase III, DOTD, St. Tammany Parish (STP), LA.** Project Designer. Responsible for evaluating environmental issues and developing design alternatives in accordance with the National Environmental Policy Act (NEPA) for transportation improvements.
02/07 – 10/09	**John James Audubon Bridge Approach (Design-Build [DB]), DOTD, New Roads, LA.** Project Designer. Responsible for the geometric horizontal and vertical alignment for five approach bridges to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of 1,583' main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.
10/17 – 03/18	**Traffic Turn Lanes on Highway LA 3127, Yuhuang Chemical Inc., St. James, LA.** Quality Control (QC). Review for the design of two turn lanes into the Yuhuang Chemical Methanol plant in St. James Louisiana. During construction, Jose provided the owner, with construction design services for the duration of the construction phase.
01/06 – 09/09	**New Orleans Submerged Roadway Program Management, DOTD / New Orleans Regional Planning Commission, New Orleans, LA.** Project Designer and Quality Control Reviewer. For this multi-million-dollar program management team for DOTD and the Federal Highway Administration (FHWA). Jose helped develop design guidelines and processes for the standardization of engineering work for the repair of damaged roadways by Hurricane Katrina in the City of New Orleans and other Parishes. He was responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards.
12/15 – 01/16	**Magnolia Ridge Levee Project, City of New Orleans, St. Charles Parish, LA. Quality Control (QC).** QC review and plan preparation for the Magnolia Ridge Levee project for St. Charles Parish.
06/04 – 01/11	**Causeway Boulevard Interchange Improvements Phase I and II, DOTD, Metairie, LA.** Project Designer**.** For the project, which consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily travel interchange. Responsible for evaluating existing girders, the design of new precast concrete girders and the roadway plan preparation for this project. Also, responsible for evaluating and design of new sewer and water lines for the project as well as coordinating the removal and replacement of all utilities affected by the new roadways or/and structure foundations.
01/20 – 5/20	**NC73 Highway Widening, North Carolina DOT, Mecklenburg County, NC.** Project Engineer. Responsible for the Temporary Traffic Control Plan preparation for the widening of NC 73. A principal arterial roadway, NC 73 Highway, was widened from a two-lane undivided roadway into a four-lane divided highway with a 30 foot wide median. The project presented many challenges for the Temporary Traffic Management Plan's preparation due to the high traffic volumes on NC 73, time restrictions for lane closures, and all NASCAR events at Charlotte Motor Speedway for the duration of the project. To mitigate traffic disruption and enhance roadway safety, assisted in preparing the Transportation Operation Plans and sequence of construction for the project. All design work was performed following NCDOT and the latest MUTCD standards.
3/2019 – 5/20	**Eastern Federal Lands Highway Division (EFLHD), Puerto Rico.** Assessment Roadway Lead. Responsible for the review, report preparation, and coordination for the repairs of over 70 roadway sites damaged by Hurricane Maria. Provided technical assistance to local engineering firms to ensure the project stayed within the client's guidance and strict schedules.

16. Staff Experience:

Firm employed by Arcadis					
Name	Gabriel Arias, PE		Years of relevant experience with this employer	<1	
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering, Auburn University		
Active registration number / state / expiration date			42599 / LA / Sep 30, 2022		
Year registered	2018	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities	**Contract Role:** Roadway Design **Responsibilities:** Roadway design and plan development **Bio:** Gabriel has more than eight years of experience performing complex geometric design on roadway including H&V alignment, hydraulic design CDPs and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production.				

Gabriel's multi faceted experience will assist the team where needed.

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).
06/16 – 02/17	**LA 435 to LA 40/LA 41, DOTD, St. Tammany Parish, LA.** Project Engineer. The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersection near Bush, Louisiana. Assisted with roadway geometric design including H&V alignment, hydraulic design for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.
07/13 – 06/16	**Bayou Mercier Road/Berard Canal Bayou, DOTD, St. Martin Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.
07/13 – 02/17	**Derrick Road Bridge, DOTD, Iberville Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
07/13 – 02/17	**Jude & Placide Road Bridges, DOTD, Vermilion Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridges timber structures with slab span, concrete structures.
07/13 – 10/16	**City of Thibodaux Overlay Projects, DOTD, Lafourche Parish, LA.** Project Engineer. Project required chip sealing, joint & crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. The goal was to prolong the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with roadway geometric design including horizontal alignments, selection of treatment type for pavements, hydraulic design for storm drains, CDP's and open ditches and roadway plan production.

09/13 – 02/17	**Pecan Island Road Bridge Over The Chenal, DOTD, Pointe Coupee Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a customized slab span, concrete structure.
07/13 – 02/17	**Gracie Lane Bridge, DOTD, Iberville Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
04/14 – 02/17	**Lajaunie Rd/Lateral 1 Bayou St. DOTD, Clair, Lafayette Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
11/15 – 02/17	**Babin Rd./Bayou Narcisse, DOTD, Ascension Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
10/18 – 11/19	**I-10 to Loyola Dr. Interchange, Jefferson Parish, LA.** Project Engineer. Proposal effort for adapting the interchange at Loyola Drive to handle traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Assisted with roadway geometric design, QC, and Plan production for proposal.
06/18 – 10/19	**Mid-Barataria Diversion Design, Plaquemines Parish, LA.** Project Engineer. Planning, engineering and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.
09/13 – 02/17	**West 15th Avenue/Mile Branch, City of Covington, St. Tammany Parish, LA.** Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing bridge timber structure with a customized slab span, concrete structure. Included an integral pedestrian/bicycle path and custom barrier to separate pedestrians and vehicles.
02/18 – 04/18	**US 377 Cresson Relief Route, TXDOT, TX.** Project Engineer. TXDOT will construct a three-mile relief route west of the city of Cresson. The relief route will be a new four-lane divided highway on US 377 beginning one mile south of the intersection of US 377 and SH 171 and ending one mile north of the same intersection. Assisted with plan creation including H&V alignment review, TTC plans, construction quantity estimation and roadway plan production for the realigned roadway.
06/17 –10/17	**Hwy 270 Widening Connecting Arkansas Program (CAP), CA0607, Garland County, AR.** Project Engineer. Was contracted by AHTD, as part of their Connecting Arkansas Program (CAP), to assist with the design of widening approximately three miles of Hwy 270 in Garland County. The proposed roadway is 4 lanes with a painted median from Hwy 270 to Black Snake Road, then 5 lanes curb & gutter from Black Snake Road to Hwy 227. Responsibilities include the drainage design and plan production, wetland delineation and maintenance of traffic plans. Tasks include preliminary site visits, developing hydraulic and hydrologic models for the pipes, submittal of Hydraulic Report, drainage ditch design, maintenance of traffic plan submittals and wetlands report.

16. Staff Experience:

Firm employed by Arcadis				
Name	David Fulks, PE		Years of relevant experience with this employer	14
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			MS / 2019 / Engineering Management, The George Washington University; BS / 1997 / Civil Engineering, Portland State University	
Active registration number / state / expiration date			030151 / LA / Sep 30, 2022	
Year registered	2003	Discipline	Civil Engineer	

David's two and half decades of experience will benefit the team with complete streets and urban design.

Contract role(s) / brief description of responsibilities	**Contract Role:** Roadway Design **Responsibilities:** Roadway design and plan development **Bio:** David has more than 26 years of experience in the design of roadways and pedestrian facilities, land developments, flood protection systems, and airports. His experience encompasses analysis and design of geometric and pavement design of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His responsibilities have included preparing engineering designs, reports, plans, and specifications preparing and managing project schedules and cost estimates and providing construction administration.

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 – 05/15	**Joe Sevario / Roddy Road Roundabouts Stage 0 Safety Feasibility Study, DOTD, Ascension Parish, LA.** Task Manager and Lead Engineer. Geometric and roadway design and cost estimates for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.
07/15 – 06/17	**Safety Design Retainer - US 190B at Jefferson Ave Roundabout Design, DOTD, St. Tammany Parish, LA.** Roadway Engineer. Geometric and roadway design, preliminary plans preparation, and cost estimate for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.
12/13 – 06/15	**LA 3235 Stage 0 Safety Feasibility Study, DOTD, Lafourche Parish, LA.** Lead Roadway Geometrics and Cost Engineer. Designed geometric layout of safety improvements including access management, restrictive intersections, and added turn lanes. Developed construction cost estimates for proposed improvements to assess feasibility of proposed alternatives.
11/12 – 04/13	**LA 594 Millhaven Road Feasibility Study and Preliminary Design, I-20 Economic Development Corporation, Ouachita Parish, LA.** Roadway Designer. Roadway intersection and roundabout improvement alternatives for a DOTD Stage 0 Study. Two roundabouts were evaluated in compliance with DOTD EDSM V.1.1.5 (Analysis) and EDSM V.1.1.6 (Design). Performed geometric and roadway design of intersection and roadway alternatives and developed construction cost estimates.
11/14 – 10/15	**LA 44 and Loosemore Road Roundabout, DOTD, Ascension Parish, LA.** Deputy Project Manager and Lead Engineer. Geometric and roadway design, preliminary subsurface utility investigation, and cost estimates for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.

01/14 – 03/17	**Pete's Highway Interchange Alternative and Environmental Assessment, DOTD, Livingston Parish, LA.** Lead Roadway / Bridge Geometrics and Cost Engineer. High-priority project completing an environmental assessment and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue. Developed roadway geometry, line and grade, construction sequencing strategies, and construction cost estimate.
04/13 – 07/14	**US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, DOTD, St. Tammany Parish, LA.** Lead Engineer. Geometry and roadway design, line and grade study development, and cost estimates for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control. Early coordination with Norfolk Southern Railroad.
09/09 – 03/12	**I-20 – Garrett Road Connector Interchange Improvements, DOTD, Ouachita Parish, LA.** Lead Engineer. Geometry and roadway design of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including interstate interchange modifications to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the corridor outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with DOTD Complete Streets Policy. The compact project area required a detailed layout to confirm feasibility.
08/11 – 09/13	**Chef Menteur Bridge and Approaches Replacement EA and Line and Grade Study, DOTD, Orleans Parish, LA.** Lead Roadway/Bridge Geometrics and Cost Engineer. Responsible for preparing the proposed geometric configurations of a bridge replacement at Chef Menteur Pass. Investigated four alignments as well as both low-level moveable and high-level fixed span bridge configurations. Performed detailed geometric layouts of both the mainline highway, bridge, and adjacent collector roadways to mitigate impacts to environmentally sensitive resources and local residential, commercial, and historical interests.
09/12 – 09/13	**US 165 Connector and Ouachita River Bridge EIS, DOTD, Ouachita Parish, LA. Roadway Design Engineer.** Responsible for preparing roadway and bridge general plan designs, line and grade report development, and cost estimates for a new five-mile elevated highway through Chauvin Swamp north of Monroe, LA. An in-town corridor was also developed which entailed upgrading Louisville Avenue and Hudson Lane in Monroe, the Lea Joyner Bridge over the Ouachita River, and Stella Street in West Monroe to function as a one-way couplet. Early coordination with Delta Southern Railroad was included.
06/00 – 12/00	**Hesper and Helios Avenue Street Rehabilitation, Jefferson Parish Engineering Department, Harvey, LA.** Roadway Engineer. Completed inspections and rehabilitation recommendations for eight blocks of local streets. Rehabilitation required demolition and replacement of concrete road panels, milling and overlay of asphalt surfaces, and installation of drainage inlets and subsurface drainage, as well as replacement of damaged and under-performing subsurface drainage. Performed inspections, collaborated with Parish representatives and utility companies, identified appropriate rehabilitation measures, and produced plans illustrating the rehabilitation recommendations.
02/09 – 4/10	**US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, United States Army Corps of Engineers (USACE) – New Orleans District, Jefferson Parish & St. Charles Parish, LA.** Deputy Project Manager and Lead Roadway / Drainage Engineer. Development of preliminary and final design P&S for a 2,540-foot PPC girder / column bent bridge, highway approaches, and frontage roadways.

16. Staff Experience:

Firm employed by	Arcadis			
Name	Akhil Chauhan, PE, PTOE, PTP, PMP		Years of relevant experience with this employer	14
Title	Principal Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		MS / 2003 / Engineering, ; BS / 2001 / Civil Engineering		
Active registration number / state / expiration date		PE .033703 / LA / Sep 30, 2022; PTOE 2544 / USA / Nov 24, 2023; PTP #246 / USA / Dec 1, 2024; PMP #1444676 / PA / Aug 15, 2023		
Year registered	2008	Discipline	Civil Engineering; PTOE; PTP; PMP	

Contract role(s) / brief description of responsibilities	**Contract Role:** Traffic Task Lead, QC / QA for Traffic **Responsibilities:** Will oversee the traffic analysis, development of traffic design work and perform QC/QA of traffic submittals **Bio:** Akhil is a principal traffic engineer with more than 20 years of applied research and industry experience in the fields of highway safety, traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, NEPA studies, and access management. Akhil has successfully led, managed, and mentored numerous projects related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS. Mr. Chauhan meets Minimum Personnel Requirements #1 and has completed DOTD Traffic Engineering Process and Report Training.

Akhil is an expert in all aspects of traffic analysis and modeling, including Sidra.

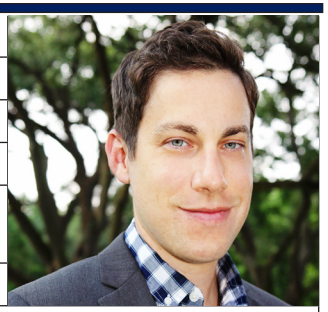
Meets MPR No. 7

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).
04/13 – 10/20	**US 11 Railroad Bridge Replacement and Corridor Improvements EA, DOTD, St. Tammany Parish, LA.** Principal Engineer. Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, line and grade, and public outreach for the proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements include the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project includes analysis of several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.
07/12 – 11/14	**Chef Menteur Bridge and Approaches EA, Orleans Parish, LA.** Principal Traffic Engineer. Responsible for the High-priority bridge replacement EA and Line and Grade Study, responsible for coordinating traffic impact study. Traffic impact study coordination include reviewing available data with DOTD traffic engineer to identify gaps and propose additional data needs, investigating planned transportation improvement projects and traffic generators with DOTD and New Orleans RPC, reviewing design hour volumes (DHVs), average daily traffic (ADTs), and peak hour and24-hour truck percentages, and reviewing intersection and road segment capacity analyses.

11/20 – 04/22	**I-10 CMAR, DOTD, East Baton Rouge Parish, LA.** Principal Engineer. Responsible for technical advisory and QA/QC of all traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. 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.
08/18 – 12/19	**I-10 Widening Mesoscopic Model and TMP, DOTD, East Baton Rouge Parish, LA.** Principal Engineer. Responsible for supervising development of mesoscopic traffic model used for this project. The object of the study was to develop an existing conditions model. Responsibilities included defining study area, assessing data needs, developing data collection plan, preparing calibration documentation, and preparing model documentation.
01/18 – 04/22	**I-20 Mesoscopic Model and TMP Using Dynameq, DOTD, Bossier Parish, LA.** Principal Engineer. Responsible for supervising development of mesoscopic traffic model to predict queuing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies.
12/13 – 06/15	**LA 3235 Stage 0 Feasibility Study, DOTD, Lafourche Parish, LA.** Project Manager. Responsible in the preparation of a formal traffic and access management Stage 0 study, in accordance with DOTD Stage 0 Manual of Standard Practice, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included traffic data collection, 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. A preliminary cost estimate and conceptual layout drawings were also produced. During the study, it was found that crash modification factors (CMFs) for many access management principles are not found in the HSM's Part C predictive methods. Therefore, proposed a corridor-based approach in which Part D CMFs were applied at the corridor level after using Part C to predict future no-build crashes. This approach predicted changes to crash frequency, crash type, and severity type for the two build alternatives. The predicted crashes provided the opportunity to perform a cost/benefit analysis based on safety.
05/19 - 04/22	**I-20 / I-220 Interchange Improvements and BAFB Access Design-Build, DOTD, Bossier Parish, LA.** Principal Engineer. Responsible for overseeing the 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.
01/14 – 02/17	**Traffic Engineering Retainer - US 71 Corridor Traffic and Safety Study – Phase 1, DOTD, Rapides Parish, LA.** Project Manager. Responsible in the preparation of a corridor study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included 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. A preliminary cost estimate and conceptual layout drawings were also produced during the study.
04/16 – 04/22	**Florida Avenue EA, DOTD, Orleans Parish, LA** Principal Traffic Engineer. Responsible for QA/QC and documentation for the project that includes traffic, environmental, line and grade, and public outreach and involvement services for one of the last projects funded by Louisiana's TIMED program. The project traverses post-Katrina re-development areas in both Orleans and St. Bernard Parishes. Key considerations include the type and height of the bridge and controlling truck traffic diversion through neighborhoods. Using the New Orleans Regional Planning Commission's SELATRAM travel demand model (TDM), Arcadis coded alternatives for a comparative analysis of partial and full build scenarios.

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 #41842 / LA / Mar 3, 2022; PTOE #4346 / USA / Nov 11, 2023; PTP #690 / USA / Jul 2022; RSP #37 / USA / Dec 21, 2021; ATSSA TCT / TCS		
Year registered	2018	Discipline	Civil Engineer		



Contract role(s) / brief description of responsibilities	**Contract Role:** Analysis and Simulations **Responsibilities:** Perform traffic analysis and simulations **Bio:** Ari is a Transportation Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Ari has had 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.

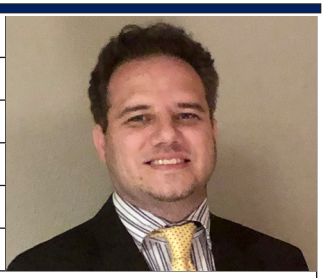
Ari will supplement the traffic team with his understanding of DOTD Traffic Analysis and simulations.

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 – 04/22	**I-20 / I-220 Interchange Imp. And BAFB Access TMP and IMR, DOTD, LA** 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	**US 71 Corridor Traffic and Safety Study – Phase 1-3, DOTD, Rapides Parish, LA.** 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, analyzed crash summaries and identify 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 - 04/22	**I-10 CMAR, DOTD, East Baton Rouge Parish, LA.** 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 Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.

10/19 – 04/22	**I-10 New Orleans to Slidell Hard Shoulder Running, DOTD, Orleans Parish, LA.** 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- 04/22	**US-90 Business Signing Upgrades and TMP, DOTD, Orleans and Jefferson Parishes, LA.** 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 Interstate-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	**East Baton Rouge Parish Signal Detection Upgrades, DOTD, East Baton Rouge Parish, LA.** 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	**US 90 Traffic Signal Timing Upgrades, DOTD, Lafayette Parish, LA.** 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	**LA 3235 Stage 0 Feasibility Study, DOTD, Lafourche Parish, LA.** 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	**Intersection Feasibility Study. Evangeline Thwy, Johnston St, & Louisiana Ave, DOTD, Lafayette Parish, LA.** 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 (US167/90) and Johnston Street (US167) / Louisiana Avenue (LA 94) that will improve safety and mobility. Evangeline Thruway consists of two one-way roadways with three lanes in each direction. Three alternatives for each intersection at Johnston Street / Louisiana Avenue were developed based on the results traffic and safety analysis.
01/17 – 04/22	**Tunnel Flood Barrier Systems Design-Build Project, MTA-TBTA, 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 #34304 / LA / Mar 31, 2023; PTOE #3928 / USA / Exp. 11/18/2024	
Year registered	2009	Discipline	Civil Engineer	



Kester will utilize his 17 years of local experience to assist with traffic analysis and design.

Meets MPR No. 7

Contract role(s) / brief description of responsibilities	**Contract Role:** Traffic **Responsibilities:** Assist with traffic analysis and design **Bio:** Kester possesses a wide breadth of experience in the field of transportation engineering including traffic engineering, 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 help provide expertise in achieving successful solutions for a variety of projects.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).
11/20 – 04/22	**I-10 CMAR, DOTD, East Baton Rouge Parish, LA.** Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans and Interchange Modification Reports for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. 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.
09/12 – 02/16	**Replace Belle Chasse Tunnel and Bridge Stage 0 Feasibility Study and Stage 1 EA, DOTD, Plaquemines Parish, LA.** Traffic Engineer. Responsible for the traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that would be 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 the roadway portion and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.
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, 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 layouts. 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.
06/11 – 02/13	**LA 1 Toll Facilities, DOTD, Vernon Parish, LA.** Traffic Engineer. Responsible for the new toll signage, pavement marking layout and queue analyses for the LA 1 Toll facility modifications at the new bridge in Leeville, LA.

11/17 – 07/20	**LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Je, 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 Louisiana Department of Transportation and Development's Traffic Engineering Process and Report Guidelines. The project also included a stand along 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 study for the proposed widening of Causeway Boulevard between Metairie Rds. 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 future 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 – 04/11 07/13 – 01/14	S**tumberg 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 road design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parish 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.
11/07 – 12/08	**Marathon Petroleum US-61 Access Improvements, DOTD/Marathon Petroleum Company, John the Baptist Parish, LA.** Traffic Engineer. Responsible for the traffic forecasting and analysis for the Traffic Impact Study for the expansion plans for the Marathon Oil Refinery in Garyville, LA. Performed traffic analysis and signal design for the new main entrance to the refinery as well as the required turn lanes from US-61 to different points of entry to the refinery site.

16. Staff Experience:

Firm employed by Arcadis				
Name	Greg Badon		Years of relevant experience with this employer	9
Title	Environmental and Public Involvement Specialist		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		NHI 142005 NEPA and the Transportation Decision making Process; Traffic Engineering Analysis Process & Report Training; USACE 1987 Manual Wetland Delineation Training; NHI Course 142073 Applying Section 4(f). Putting Policy into Practice;		
Year registered	N/A	Discipline	N/A	

Contract role(s) / brief description of responsibilities	**Contract Role:** Environmental Lead and Public Involvement (as needed) **Responsibilities:** Conduct NEPA and Environmental Permitting and assist DOTD with public involvement if needed. **Bio:** Mr. Badon has an extensive background managing, conducting and/or reviewing all components and technical studies required by NEPA. His training and experience in highway traffic noise, wetlands, NEPA, and the TERP, provides a solid understanding of the overall project process. He has been responsible for Stage 0, EIS, EA, CE document preparation, environmental permitting, 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 support and manage projects as they move through planning / feasibility and the NEPA process. Mr. Badon has completed DOTD Traffic Engineering Process and Report Training.

Greg will utilize his diverse experience to assist the team with environmental permitting and public involvement (if necessary).

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/17 – 06/21	**Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, DOTD, East Baton Rouge Parish, 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. Led the second phase of the project which included conducting Road Safety Assessments (RSAs) at 10 priority locations identified in the PBSAP. RSAs focused on identifying safety issues at the intersections and developing feasible alternatives to improve pedestrian and bicycle safety.
12/13 – 08/17	**LA 3235 Stage 0 Safety Feasibility Study, DOTD, 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 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.
05/13 – 05/15	**Joe Sevario/Roddy Road Stage 0 Safety Feasibility Study, DOTD, Ascension Parish, LA:** Project Scientist. Responsible for Stage 0 Preliminary Scope and Budget and Environmental Checklists, purpose and need, environmental inventory and public outreach. Following 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 cost estimates were generated.

04/16 – 09/18	**New Orleans Pedestrian Stage 0 Safety Feasibility Study, DOTD, Orleans Parish, LA.** Project Scientist. Project involved assessing safety deficiencies at 20 high priority intersections in New Orleans with a history of pedestrian and bicycle crashes and fatalities. Responsible for completing Stage 0 Environmental Checklists for all 20 intersections to support the implementation of proposed safety countermeasures.
11/12 – 04/13	**LA 594 (Millhaven Rd.) Stage 0 Feasibility Study and Preliminary Design, I-20 Economic Development Corporation, Ouachita Parish, LA:** Project Scientist. Responsible for Stage 0 Preliminary Scope and Budget and Environmental Checklists, purpose and need development, and environmental inventory. Following 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 cost estimates were generated.
02/15 – 08/17	**US 71 Corridor - Phase II Stage 0 Feasibility Study, DOTD; Rapides Parish, LA:** Project Scientist. Responsible completion of Stage 0 Environmental Checklists and facilitating public and stakeholder involvement activities.
04/13 – 04/22	**US 11 Environmental Assessment, DOTD, St. Tammany Parish, LA:** Project Manager and Project Scientist. Mr. Badon was responsible for public/ stakeholder outreach, agency coordination, technical workshop preparation, environmental document preparation, noise modeling and traffic count field work, Phase I ESA fieldwork, wetland delineation, threatened and endangered species survey, stream assessments, document/records research, and technical report preparation.
01/14 – 04/22	**Pete's Highway Interchange Alternative and Environmental Assessment, DOTD, Livingston Parish, LA:** Project Manager. Known regionally as one of the most congested interchanges on 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 technical report documentation.
03/17 – 04/22	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement (SEIS), DOTD, St. Mary Parish, LA:** Project Manager. Following the December 2006 Record of Decision (ROD), DOTD determined that the estimated cost for this segment of I-49 exceeded available resources for 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.
02/16 – 04/22	**Florida Avenue EA, DOTD, Orleans and St. Bernard Parishes, LA:** Project Manager and Public Information Officer. Responsible for public / stakeholder outreach oversight, and 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.

16. Staff Experience:

Firm employed by	Bonton				
Name	Darius Bonton, PE, MBA		Years of relevant experience with this employer	10	
Title	Principal/Project Delivery		Years of relevant experience with other employer(s)	10	
Degree(s) / Years / Specialization		MBA / 2018 / Finance; BS / 2002 / Civil Engineering			
Active registration number / state / expiration date		34696 / LA / 9-30-2023			
Year registered	2009	Discipline	Civil Engineering		

Darius will utilize his 20 years of drainage experience and local knowledge of the area to assist the team.

Contract role(s) / brief description of responsibilities

Contract Role: Drainage Task Lead

Responsibilities: Will oversee the development of drainage analysis and associated design work

Bio: Darius has 18+ years of experience in implementing strategy, development, management, and delivery of transportation,water resources, civil design, planning, and client program management solutions. He has managed environmental impact statements (EIS) and Environmental Assessments (EA) for transportation improvements under NEPA regulations, Stage 0 Retainers, developed project and design delivery strategies/workflows, water system master planning, wastewater collection system planning for roadway restoration design, and utility coordination, and design calculation models. Relevant Certifications: • NEPA Training – NEPA and Transportation Decision Making Process • NHI Course No. 142005, 2008 • Linking Freight to Planning and the Environment • NHI Course No. 139005, 2010/Alternative Impacts Assessments

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).
11/20 - 04/22	**MOVEBR- Drainage Analysis and Design Projects:** Principal. Responsible for ensuring quality in deliverables during the process of conducting hydrologic analyses, hydraulic analyses, drainage design, green infrastructure, detention pond design, calculations for current MOVEBR projects. Projects include: » 19-CP-HC-0036: Jones Creek Road (Jefferson Hwy. – Airline Hwy.), (City of Baton Rouge-MOVEBR) (04/21 – Present) » 20-CP-HC-0032: Nicholson Segment 2 (Ben Hur to Bluebonnet Blvd.), (City of Baton Rouge-MOVEBR) (03/21 – Present) » 20-CP-HC-0014: Sherwood Forest Extension (Greenwell Springs Rd. – Joor Rd.) (City of Baton Rouge) (02/21 – Present) » 20-CP-HC-0044: Lee Drive (Highland Rd. – Perkins Rd.) (City of Baton Rouge-MOVEBR) (02/21 – Present) » 20-EN-HC-0028: S. Harrell’s Ferry Rd. Multi-Use Path (City of Baton Rouge-MOVEBR) (05/21 – 09/22) » 20-CP-HC-0017: Ardenwood-Lobdell Connector Design Study (City of Baton Rouge-MOVEBR) (11/20 – 11/21)
09/14 – 03/15	**East Baton Rouge SSO Program:** Project Delivery Manager. Responsible for the design, bidding, and construction of nearly $300M in sanitary sewer improvements throughout East Baton Rouge Parish.
06/19 – 04/22	**Capital Improvement Program and Consent Decree “Clean Water Shreveport”:** Program Advisor. Supports the program through providing expertise to advance large-scale municipal infrastructure projects geared towards bringing Shreveport up to compliance on environmental regulations and improving the City’s water and sewer infrastructure.

16. Staff Experience:

Firm employed by	Bonton			
Name	Charles Caballero, PE		Years of relevant experience with this employer	5
Title	Senior Project Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS / 2015 / Chemical Engineer	
Active registration number / state / expiration date			45526 / LA / Sep 30, 2023	
Year registered	2021	Discipline	Civil Engineering	

Charles has a decade of experience which will be utilized for the development of drainage and storm water management plans.

Contract role(s) / brief description of responsibilities	**Contract Role:** Drainage Design **Responsibilities:** Drainage analysis, design and plan development **Bio:** Charles has amassed a broad range of experience, including the analysis and design of site/civil improvements, pavement restoration improvements, stormwater and wastewater collection system improvements, and water treatment and process design improvements. Charles also supports our clients through the development and application of predictive and prescriptive analytics of subsurface infrastructure condition data. Insights from these analyses are used as a basis for prioritizing capital planning needs for public works and municipal planning officials.

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).
01/21 - 04/22	**University Lakes Master Design Services, University Lakes, LLC, Baton Rouge, LA.** Charles managed the completion of project discovery and due diligence and schematic design tasks. Initial due diligence tasks include utility coordination throughout the project area, existing drainage mapping, and sanitary and stormwater flow analysis. Anticipated schematic design tasks include development of 15% drawings for site/civil improvements for shoreline expansions around the lake (grading, utility relocation, drainage, etc).
01/22 - 04/22	**ARP Drainage Program Management Services, Baton Rouge, LA:** To assist the ARP Drainage Program Management Team, Charles performs critical Quality Assurance duties covering a wide range of activities including auditing existing data, managing the identification of remedial measures, and assembling and scheduling work orders.
03/19 – 11/19	**ADA Compliance and Drainage Improvements, Louisiana Division of Administration:** Project Engineer. Charles’ role included schematic/design development and construction administration services for the removal and replacement of failing stormwater infrastructure and pedestrian facilities on the campus of Southern University.
12/21 - 04/22	**PS 23 Basin Rehabilitation and FM Extension, Baton Rouge, LA:** Senior Engineer. Supported the analysis of collection system data, development of remedial measures plans for basin PS23, and preparation of design plans and specifications for sewer repairs and force main replacement.
01/22 - 04/22	**Vapor Phase Odor Control, Baton Rouge, Louisiana:** Project Manager. The Vapor Phase Odor Control project provides management and operations services for the vapor phase odor control systems located throughout the City-Parish. Charles manages the staff and client communications for monthly site visits and performance inspections of the City-Parish’s pump stations and odor control units.

16. Staff Experience:

Firm employed by	Bonton			
Name	Kiran Gurung, PE		Years of relevant experience with this employer	3
Title	Design Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / 2017 / Environmental Engineering; B. Tech / 2013 / Civil Engineering	
Active registration number / state / expiration date			Engineer-In-Training 61897 / Texas / Mar 06, 2026; Professional Engineer (passed exam in 2021; awaiting license number)	
Year registered	EIT 2018; PE 2021	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	**Contract Role:** Drainage Design **Responsibilities:** Assist with drainage analysis and plan development **Bio:** As a Design Engineer, Kiran brings experience in the planning and designing of pedestrian facilities and roadway improvements projects, specifically focused on the hydrologic and hydraulic analysis of stormwater management and drainage improvements.			

Kiran will assist the drainage team with hydrologic and hydraulic 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).
04/21 - 04/22	**19-CP-HC-0036: Jones Creek Road (Jefferson Hwy. – Airline Hwy.), (City of Baton Rouge-MOVEBR)** – Project Engineer: Assisting in analyzing existing data (LIDAR, GIS data, etc.) for existing drainage analysis, identifying the proposed drainage design, developing drainage plan & profiles, and design drainage maps.
03/21 - 04/22	**20-CP-HC-0032: Nicholson Segment 2 (Ben Hur to Bluebonnet Blvd.), (City of Baton Rouge-MOVEBR)** – Project Engineer: Project engineer for performing hydrologic and hydraulic analysis, pond siting analysis, fill mitigation, evaluating survey data, and development of green infrastructure in support of the proposed Nicholson Segment 2 roadway improvements.
02/21 - 04/22	**20-CP-HC-0014: Sherwood Forest Extension (Greenwell Springs Rd. – Joor Rd.) (City of Baton Rouge) –** Project Engineer: Provides support in drainage analysis and design, green infrastructure design, drainage maps, and cost estimates with respect to the preferred roadway alternative.
02/21 - 04/22	**20-CP-HC-0044: Lee Drive (Highland Rd. – Perkins Rd.) (City of Baton Rouge-MOVEBR)** – Project Engineer: provides project support in performing hydrologic and hydraulic analysis, drainage and green infrastructure design, and existing and proposed drainage mapping.
01/21 - 04/22	**University Lakes Master Design Services, University Lakes, LLC, Baton Rouge, LA –** Lead Designer: Responsible for supporting the completion of Phase 1 (project discovery, due diligence, and schematic design) and design of transportation facilities for anticipated Phase 2 which includes: two-way roadway design, pedestrian facility design (sidewalk/multi-use path), bicycle facility design, intersection improvements, roundabout design, and hydraulic analysis.
11/20 – 11/21	**20-CP-HC-0017: Ardenwood-Lobdell Connector Design Study (City of Baton Rouge-MOVEBR)** – Lead Designer: Developed the roadway design components for the proposed roadway connector alternatives, which include: roadway line & grade, roadway widening, intersection design, access management, bicycle lanes and sidewalks, existing and proposed drainage analysis, pedestrian safety measures, roadway modeling, impacts assessment, calculations, quantities, and cost estimations.

16. Staff Experience:

Firm employed by:	Fugro USA Land, Inc.		
Name	Eric Marx, PE	Years of relevant experience with this employer	21
Title	Vice President, Louisiana General Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		MS / 2001 / Civil Engineering BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		31479 / LA / March 31, 2023	
Year registered	2004	Discipline	Civil

Contract role(s) / brief description of responsibilities	**Contract Role:** Geotechnical Principal-in-Charge **Responsibilities:** Eric will provide engineering review and oversite of the program tasks **Bio:** Principal-in-Charge, Fugro Louisiana General Manager. Eric Marx has provided geotechnical services on transportation, government, industrial, commercial and coastal infrastructure projects since joining Fugro in 2001. He has been both engineer and engineer-of-record on some of Louisiana's high-profile transportation projects over the last 20 years, including the I-10 Twin Span Replacement Project, John J. Audubon Bridge, and numerous task orders, as part of previous retainer contracts. Eric's role has involved managing and executing task orders, developing and overseeing field programs, achieving and maintaining laboratory certifications and performing and reviewing geotechnical engineering analyses. Many of the projects have required access in difficult site conditions and required advanced engineering evaluation.

As Principal-in-Charge for numerous DOTD projects, Mr. Marx provides first-hand experience in executing projects to DOTD's exacting geotechnical specifications.

Meets MPR No. 8

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).
01/10 - 03/17 08/20 - 04/22	**DOTD Statewide Geotechnical Retainer Contract, Louisiana.** Mr. Marx served as principal-in charge for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $4M. The scope of work included soil borings (on land and in water), cone penetration test (CPT), laboratory testing, engineering analysis, and design recommendations. Fugro was also retained to install geotechnical instrumentation. Mr. Marx was Principal-in-Charge, negotiated and oversaw completion of task orders, and worked with DOTD to ensure client satisfaction on deliverables.
04/04 - 04/22	**Bridge Scour Analysis, Statewide Louisiana.** Mr. Marx served as project engineer, project manager and is currently principal-in-charge for the project. Fugro was selected by DOTD, with the assistance of selected Design Consultants, in evaluating the stability of critical bridge structures across the state regarding scour susceptibility. Since 2004, Mr. Marx has supervised evaluations on over 300 bridges across Louisiana including coordination of geotechnical field investigations, laboratory testing, and Electric Cone Penetrometer Test (ECPT) soundings. Geotechnical engineering analyses included deep foundation evaluations on driven piles, drilled shafts and caissons for varying scour events and development of soil parameters.
09/17 - 07/19	**Kansas Lane, Garrett Road Connector.** Mr. Marx was Principal-In-Charge for Fugro and provided contract oversight for the project. Work included conducting geotechnical field investigations and geotechnical analyses for the roadway project with significant interaction with the local airport and businesses. Mr. Marx reviewed results of field and laboratory analyses and performed QA checks on deep foundation calculations, embankment settlement calculations of driven and drilled foundations and MSE Wall recommendations.

03/15 - 01/19	**Livingston Parish Road Improvement Program, Livingston Parish, LA** Mr. Marx Served as Principal-In-Charge. Livingston Parish funded this project to rehabilitate approximately 40 roads across the parish each year. Fugro's work included soil borings and collection of bulk samples, laboratory testing for classification and bench scale testing for cement treatment, engineering recommendations for pavement thickness and subgrade preparation, and construction materials testing observations to document compliance with plans and specifications Mr. Marx oversaw the field operations and engineering analyses.
10/05 - 07/08	**Twin Spans Replacement Project, Orleans and St. Tammany Parishes, Louisiana.** Mr. Marx was a Project Engineer on the project to replace the Twin Spans bridge damaged during Hurricane Katrina. Mr. Marx coordinated the field program which consisted of 30 soil borings and over 260 CPT's to depths between 100 and 190 feet in 15 feet of water. Mr. Marx helped develop the pile load testing program and performed axial and lateral pile capacity calculations using LRFD methodology.

16. Staff Experience:

Firm employed by: Fugro USA Land, Inc.				
Name	Sam Bryant, PhD, PE		Years of relevant experience with this employer	37
Title	Senior Geotechnical Consultant		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			PhD / 1983 / Civil Engineering; MS / 1979 / Civil Engineering BS / 1978 / Civil Engineering	
Active registration number / state / expiration date			40695 / LA / 9-30-2022	
Year registered	2016	Discipline	Civil	

Dr. Bryant has 37 years of experience in the design of projects built on the challenging geologic environments of southern Louisiana and DOTD has repeatedly relied upon his experience.

Contract role(s) / brief description of responsibilities

Contract role: Geotechnical Engineering Quality Control

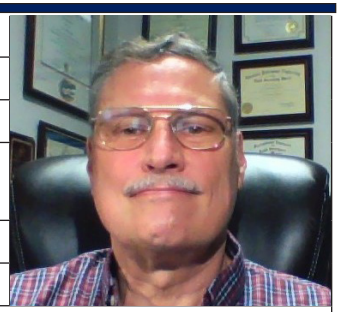
Responsibilities: Sam will guide engineering analyses and perform technical review on project tasks

Bio: Dr. Bryant joined Fugro in 1983 as a manager in geotechnical engineering. He has significant experience supervising all phases of geotechnical investigations including field exploratory programs, laboratory, engineering analyses and instrumentation. Since 2013, Dr. Bryant's work has been focused on Louisiana infrastructure projects. He has performed advanced modeling for pile capacity, drilled shaft capacity, embankment stability and settlement, earth retaining structures, pavements, seepage, and soil structure interaction. Dr. Bryant is currently serving as the lead geotechnical engineer on an oversight team for CPRA to review geotechnical analyses on two large river diversion projects. (Mid-Breton and Mid Barataria Sediment Diversion projects).

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/17 - 09/17	**I-12 to Bush: LA 3241, I-12/LA 434 Interchange to LA 36, St. Tammany Parishes, Louisiana.** Geotechnical Engineer-of-Record for the project. The project consisted of widening 2.2 miles of existing roadway and designing 6.1-miles of new roadway with several new bridges and culvert crossings. During the project, he performed the following tasks: » supervised the geotechnical data collection for the project including deep soil borings for structures and shallow soil borings for pavement » performed deep foundation calculations including axial capacity, lateral capacity and settlement » performed pile length calculations for each bent along the structure » performed settlement and stability calculations for new embankments up to 20-ft in height
09/14 - 04/22	**Bridge Scour Analysis, Statewide Louisiana.** Senior Consultant for the project. Fugro was selected by DOTD, with the assistance of selected Design Consultants, in evaluating the stability of critical bridge structures across the state regarding scour susceptibility. Dr. Bryant has assessed complex bridge structures, specifically large river crossings and performed engineering analyses including deep foundation evaluations for varying scour events and development of soil parameters.
09/17 - 04/22	**Kansas Lane, Garrett Road Connector and I-20 Improvements, Ouachita Parish, Louisiana.** Geotechnical Engineer-of-Record for the project. The project consisted of widening existing roadway with new approach embankments and bridge structures. During the project, he performed deep foundation calculations including axial capacity, lateral capacity and settlement; performed pile length calculations for each bent along the structure; and performed settlement and stability calculations for new embankments up to 20-ft in height. Global stability and settlement were also performed on MSE walls.

16. Staff Experience:

Firm employed by: Fugro USA Land, Inc.				
Name	Paul Bullock, PhD, PE		Years of relevant experience with this employer	7
Title	Chief Engineer		Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		PhD / 1999 / Civil Engineering; MS / 1984 / Civil Engineering BS / 1980 / Civil Engineering		
Active registration number / state / expiration date		33812 / LA / 9-30-2022		
Year registered	2008	Discipline	Civil	



Dr. Bullock provides the team with immense value in deep foundations experience and expertise. Engineers and DOTs around the country have referenced his over 20 publications on deep foundation testing and design.

Contract role(s) / brief description of responsibilities

Contract role: Geotechnical / Foundations

Responsibilities: Paul will provide technical consultation and oversight for task orders with foundation capacity evaluation, foundation testing using PDA and load testing.

Bio: Paul Bullock is considered a global expert on site characterization and evaluation of the performance of deep foundations. His specialization includes dynamic monitoring using the Pile Driving Analyzer, Static Load Testing, O-Cell and PIT/CSL integrity testing of drilled shafts, cast-in-place, and driven piles. His career started as a field engineer in the 1980s working on site characterization and foundation evaluation of over 18 bridges. Paul transitioned to academia working as an Assistant Professor at The University of Florida between 2000 and 2004. He then returned to consulting in 2004 working for GRL Engineers where he continued to develop the practice of evaluation of foundation performance. Paul's experience expanded into Louisiana in 2010 where he began evaluating pile foundations on large infrastructure projects in soft soil environments. He joined Fugro in 2011 and has continued to mentor staff and advance the practice of deep foundations on large scale projects in Louisiana. He is the author of over 20 publications and is a committee member/editor on ASTM and Geotechnical Testing Journal publications. His Louisiana project experience is detailed below.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/19 - 03/20	**Calcasieu LNG, Cameron Parish, Louisiana.** Senior Consultant, PDA tests and setup capacity evaluation for driven pipe piles.
05/15 - 07/17	**Cameron LNG Liquefaction, Hackberry, Louisiana.** Senior Engineer, performing PDA and static tests for DeWaal Piles.
04/10 - 02/15	**Permanent Canals & Closures Pumps Project, Orleans Parish, Louisiana.** Senior Engineer, performing PDA, setup curves and static tests for driven steel pipe piles and square concrete piles.
06/10 - 04/11	**I-12 O'Neal Lane Overpass, East Baton Rouge Parish, Louisiana.** Drilled shaft design, PDA/CSL, post grout.
08/10 - 0611	**I-10 KCS Bridge, East Baton Rouge Parish, Louisiana.** Drilled shaft design, PDA/PIT/CSL tests.
04/11 - 06/11	**Baton Rouge SWWTP, East Baton Rouge Parish, Louisiana.** PDA and PIT, 14-inch DeWaal piles.
03/10 - 05/10	**IHNC Seabrook Gate, Orleans Parish, Louisiana.** PDA and Static Tests, 30-in steel pipe piles.

16. Staff Experience:

Firm employed by: Fugro USA Land, Inc.				
Name	John M. "Jack" Koban, Jr., PhD, PE, PG		Years of relevant experience with this employer	7
Title	Project Manager/Business Development		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			PhD / 2017 / Earth Sciences; MS / 2008 / Earth Sciences; BS / 2003 / Geological Engineering	
Active registration number / state / expiration date			36060 / LA / March 31, 2021; 1045 / LA / May 10, 2020	
Year registered	2010; 2016	Discipline	Environmental; Geoscientist	

Jack will draw from his extensive knowledge to oversee all geotechnical laboratory operations.

Meets MPR No. 9

Contract role(s) / brief description of responsibilities	**Contract role:** Geotechnical Laboratory Manager **Responsibilities:** Manage all laboratory operations, analysis and reports for materials **Bio:** Dr. Koban joined Fugro as the Laboratory Manager with over 5 years of experience in environmental consulting and corrective action, over 4 years of experience in geotechnical engineering, and 6 years in environmental research. In addition to directing and overseeing laboratory operations for numerous DOTD projects over the past 6 years with Fugro, Dr. Koban has served to develop and strengthen relationships within the state by providing advocacy and engagement at the federal government and private level. As a board member of ASCE, he has helped to promote DOTD projects in the Engineering Community and served as a co-author for the 2017 Louisiana Infrastructure Report Card published by ASCE.

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).
05/15 - 03/17 08/20 - 04/22	**DOTD Statewide Geotechnical Retainer Contract, Louisiana.** Dr. Koban served as laboratory manager for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $4M. The scope of work included soil borings (on land and in water), laboratory testing, engineering analysis, and design recommendations. As lab manager, Dr. Koban was responsible for assigning laboratory tests, running advanced testing procedures, and training and technical oversight of a team of laboratory technicians. Additionally, he reviewed results and developed boring logs for reporting, testing assignments, reviewed results and developed boring logs from various task orders under this contract.
03/18 - 7/18	**Kansas Lane, Garrett Road Connector and I-20 Improvements, Ouachita Parish, Louisiana. (H.004774.5 and H.007300.6).** Dr. Koban served as laboratory manager for this project which included management of samples, test assignments, advanced testing, and engineering review of test results. Dr. Koban's background in both Engineering and Geology provided expertise in both the qualitative assessment of soils for visual classification and the more quantitative aspects in the laboratory allowing for detailed and accurate classifications needed for engineering analysis.
05/18 - 10/18	**LA 44 to US 61, Germany Road Roadway Improvements (H.013793).** Dr. Koban served as laboratory manager for this project which included management of samples, test assignments and engineering review of testing results. Dr. Koban's understanding of the geology of Louisiana and experience with DOTD projects acquired through the previous retainer projects allowed for effective and reliable engineering services in the geotechnical laboratory.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic, Bridge, Geotech, CPM
Project name	I-12: LA 21 to US 190 and 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)	09/16	Total consultant contract cost ($1,000's)	$981 / $1,775
Services completed by this firm (mm/yy)	08/22	Cost of consultant services provided by this firm ($1,000's)	$963 / $1,040

Firm's Role Stanley Consultants provided engineering and related services required to widen and rehabilitate two sections of I-12 to the median side from a four-lane freeway to a six-lane freeway section in both directions.

Project Description LA 21 to US 190 incorporated approximately 3.7 miles of improvements. LA 1077 to LA 21 incorporated approximately 3.4 miles of improvements. The corridor model and PGL elevations were developed to accommodate cross-slope corrections and a slotted median barrier. A significant amount of communication and coordination effort was mandatory with District 62 and Headquarters to successfully complete a Level 4 TMP and the development of the sequence of construction maintaining two lanes of traffic in both directions over the Tchefuncte River. The Stanley Consultants Team was responsible for all engineering services required for preliminary and final roadway design plans, all permanent signage, preliminary and final bridge design plans, geotechnical services, Independent Contractor Estimate (ICE) and Critical Path Modeling (CPM).

Similarities to Hooper Road

- Highway Widening
- Bridge Design
- Environmental Permitting
- Hydrology / Drainage
- Construction Sequencing

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Blake Roussel, PE, PMP
- Jared Blohowiak, PE
- Hannah Newhard, PE
- BriAnne Turpin, PE
- Jackie Wood

Past Performance Disciplines

- Road
- Traffic
- Bridge
- Geotech
- CPM

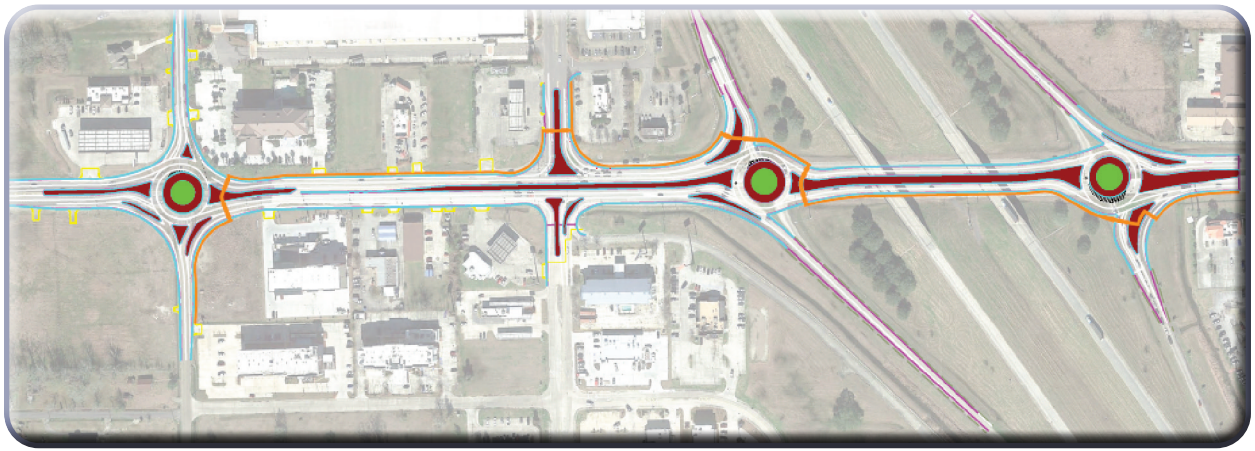
PROJECT SUCCESS

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
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.

Early and often coordination with DOTD's Traffic and Road Design Sections resolved concerns related to constructability issues and roundabout operations. Design decisions, criteria, and geometry were developed to accommodate the large retail center's average daily traffic and heavy trucking presence.

Complicating things were multiple interim improvements along LA 30 which were under construction while this design was underway. Our team had to be nimble to keep up with and accommodate the many changes and evolving conditions, including a new development directly adjacent to one of the roundabouts.

Similarities to Hooper Road

- Highway Design
- Roundabout Design
- Drainage Design
- Stakeholder Coordination
- Complete Streets
- ROW Constraints
- Utility Coordination

Members involved that are used in this proposal:

- Jesse Tisdale, PE
- Blake Roussel, PE, PMP
- Adam Fields, PE
- Rob Pratt, PE
- Hannah Newhard, PE
- Jackie Wood

Past Performance Disciplines

- Road
- Traffic

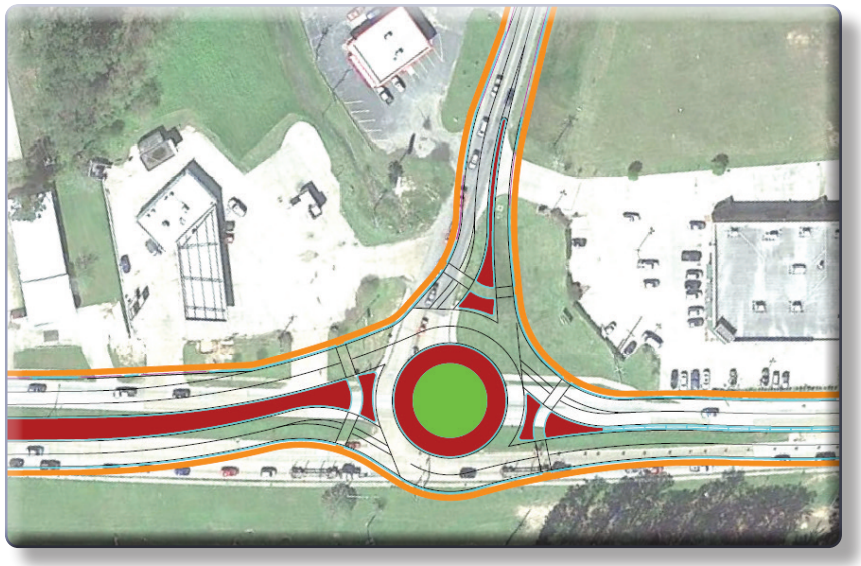
PROJECT SUCCESS

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.

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

Similarities to Hooper Road

- Highway Design
- Access Management
- Roundabout Design
- Corridor Improvement Design
- Detailed Construction Sequencing
- Stakeholder Coordination
- Drainage Design
- Utility Coordination

Members involved that are used in this proposal:

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

Past Performance Disciplines

- Road
- Traffic

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	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic, Bridge, Geotech, CPM
Project name	State Route 89 Reconstruction	Firm responsibility (prime or sub?)	Prime
Project number	2007-04	Owner's name	Arizona Department of Transportation
Project location	Chino Valley, AZ	Owner's Project Manager	Andrew Roth, Jr., PE
Owner's address, phone, email	ADOT Northwest District; 1109 E. Commerce Dr.; Prescott, AZ 86305; 928.777.5869; aroth@azdot.gov		
Services commenced by this firm (mm/yy)	09/10	Total consultant contract cost ($1,000's)	$1,527
Services completed by this firm (mm/yy)	05/11	Cost of consultant services provided by this firm ($1,000's)	$1,335

Firm's Role Stanley Consultants was responsible for engineering design development this $20M project, which was Arizona DOT's first CMAR delivery project.

Project Description The project involved the design of improvements to reconstruct an existing 3-mile section of 2-lane SR 89 to a 4-lane roadway with a 20-foot raised median. The project included the design of a roundabout at a major intersection at Road 4 South to optimize traffic demands and future vehicular movements.

It was of critical importance to define the format and outline of the cost model and GMP price structure, cost savings opportunities, and critical path scheduling in early coordination with the CMAR Contractor. To address the additional coordination demands of CMAR delivery, weekly design coordination meetings were held with the CMAR Contractor at Stanley Consultants' office to closely integrate the CMAR Contractor's preferred construction means and methods into project development.

"Stanley was very hands on and proactive in addressing constructability challenges. This allowed us to assess construction alternatives timely in order to provide the best value for the project."

Mason Williams
Preconstruction Manager/Project Manager
Kiewit

Similarities to Hooper Road

- CMAR Project
- Culvert / Bridge Replacement
- Stakeholder Coordination
- Roadway to Divided Highway
- Roundabout Design
- Drainage
- Utility Coordination

Members involved that are used in this proposal:

- Mike Chase, PE
- Gary Melita, PE

Past Performance Disciplines

- Road
- Traffic
- Bridge
- Geotech
- CPM

PROJECT SUCCESS

A major focus centered on developing MOT plans with the Contractor to ensure coordinated, efficient and cost - effective construction while minimizing impacts to traffic. Weekly design coordination meetings were held with the CMAR Team at Stanley Consultants' office to closely coordinate and integrate the Contractor's preferred construction means and methods into project development.

17. Firm Experience:

Firm name	Stanley Consultants, Inc.	Past Performance Evaluation Discipline(s)*	Road, Traffic, Bridge, Geotech, CPM
Project name	SR 260 Thousand Trails Corridor Reconstruction CMAR	Firm responsibility (prime or sub?)	Prime
Project number	2012-001	Owner's name	Arizona Department of Transportation
Project location	Yavapai County, AZ	Owner's Project Manager	Annette Riley, PE
Owner's address, phone, email	206 S. 17th Ave, Room 176; Phoenix, AZ 85007; 602.712.4241; ariley@azdot.gov		
Services commenced by this firm (mm/yy)	05/15	Total consultant contract cost ($1,000's)	$2,242
Services completed by this firm (mm/yy)	09/20	Cost of consultant services provided by this firm ($1,000's)	$1,782

Firm's Role Stanley Consultants was responsible for engineering design development this $34M project, to widen SR 260 to from a 2-lane to a 4-lane section.

Project Description This $34 M CMAR project involved reconstruction of 7-miles of 2-lane SR260 roadway into a divided 4-lane highway. A major component of the project was design of seven modern multi-lane roundabout intersections instead of signals to accommodate planned development along the corridor. The project included a new bridge, rehabilitation of the existing highway bridge and reconstruction of numerous box culverts.

Immediately after the CMAR Contractor was selected, a joint Value Engineering workshop was conducted for early constructability input on the preliminary design alternative alignment concepts, cost savings opportunities, and development of critical path scheduling. Thereafter, regular design coordination meetings were held with the CMAR Contractor to closely coordinate and integrate the preferred construction means and methods into project development. Since existing traffic needed to be maintained on SR260 during construction, a major focus centered on developing Maintenance of Traffic (MOT) plans with the CMAR Contractor in concert with his detailed sequencing of construction concepts.

Similarities to Hooper Road

- CMAR / VE
- Divided Highway Design
- Roundabout Design
- Drainage Design
- Bridge Design
- Construction Sequencing

Members involved that are used in this proposal:

- Mike Chase, PE
- Gary Melita, PE
- Hannah Newhard, PE

Past Performance Disciplines

- Road
- Traffic
- Bridge
- Geotech
- CPM

PROJECT SUCCESS

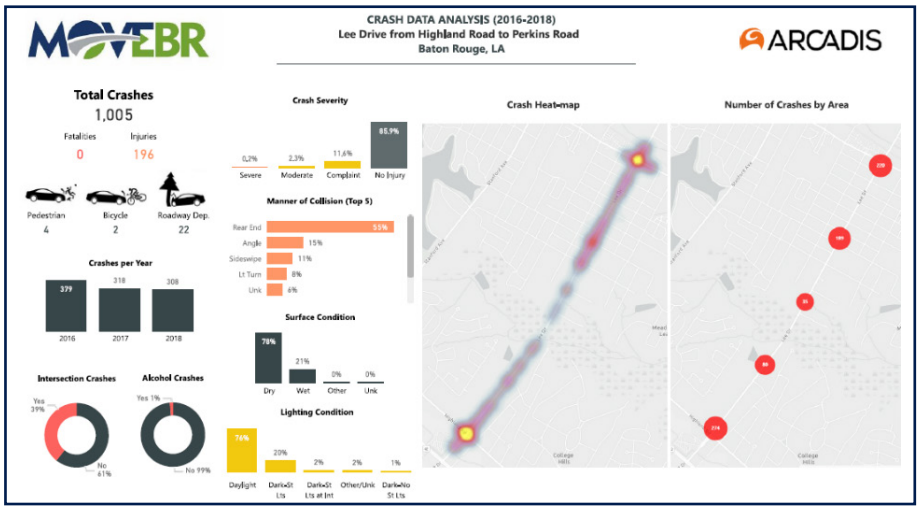
Due to challenging geotechnical constraints within the corridor, earthwork management was a key focus. In coordination with the CMAR Contractor, we developed phase-specific earthwork models that included excavation, embankment, topsoil plating, and over excavation. This greatly benefited the CMAR by providing more detailed and accurate quantities resulting in reduced material handling. This team effort ultimately led to more efficient movement of material, a reduction in schedule and large a reduction in project costs.

17. Firm Experience.

Firm name	Arcadis	Past Performance Evaluation Discipline(s)*	Bridge, Road, Env
Project name	Lee Drive (Highland Road-Perkins Road)	Firm responsibility (prime or sub?)	Prime
Project number	City-Parish Project No. 20-CP-HC-0044	Owner's name	City of Baton Rouge/Parish of East Baton Rouge
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Justin Schexnayder
Owner's address, phone, email	8555 United Plaza Blvd., Baton Rouge, LA 70809, (225) 761-3628, justin.schexnayder@csrsinc.com		
Services commenced by this firm (mm/yy)	02/21	Total consultant contract cost ($1,000's)	$2,568
Services completed by this firm (mm/yy)	09/22	Cost of consultant services provided by this firm ($1,000's)	$1536

Firm's Role Topographic survey, hydraulic and drainage analysis, traffic study and report, preliminary and final plans preparation, bridge design, construction cost estimate, right of way maps

Design Study Report Arcadis provided traffic engineering studies, preliminary drainage design, and evaluated alignment alternatives to improve the Lee Drive corridor. The work was prepared in coordination with the City of Baton Rouge and the MOVEBR Program. A preferred alternative was presented to the City of Baton Rouge based on findings from our traffic analysis, impacts to existing right-of-way, and a detailed construction cost analysis. Arcadis also assisted the City of Baton Rouge in obtaining public input by participating in public meetings and preparing exhibits for public display. Comments and input from the public meetings were then evaluated and implemented in the design.



Final Design Plans and Cost Estimate For the Final Design Phase, Arcadis was tasked with preparing construction roadway plans, right-of-way maps, and construction cost estimates. The Lee Drive project involves the complete reconstruction of Lee Drive from Highland Road to Perkins Road. The proposed typical section extends approximately 1.7 miles and is a three-lane urban section with a left-turn center lane. The project goal was to improve vehicular traffic capacity and connectivity to all corridor users by delivering safe and efficient pedestrian/bicycle facilities while maintaining neighborhood integrity.

The design team gave special considerations to traffic and access maintenance, constructability, utility coordination and right-of- way requirements. Ensuring proper drainage during construction and overall drainage improvements was another major factor considered for the project.

Stanley Consultants was a sub-consultant to Arcadis on this project.

Similarities to Hooper Road

- Traffic Studies
- Roadway Plan Preparation
- Drainage Design
- Green Infrastructure
- Bridge Design

Members involved that are used in this proposal:

- Akhil Chauhan
- Ari Deitch
- Buddy Porta
- Jose M. Rodriguez
- Gabriel Arias
- Blake Roussel (sub-consultant)
- Jesse Tisdale (sub-consultant)
- Jared Blohowiak (sub-consultant)

Past Performance Disciplines

- Bridge
- Road
- Environmental

17. Firm Experience:

Firm name	Arcadis			Past Performance Evaluation Discipline(s)*	Bridge, Road, Env
Project name	Alphonse Forbes Bridge over Sandy Bayou			Firm responsibility (prime or sub?)	Prime
Project number	City-Parish Project No. 18-Br-Pt-0017		Owner's name	City of Baton Rouge/Parish of East Baton Rouge	
Project location	East Baton Rouge Parish, Louisiana			Owner's Project Manager	Tom Stephens
Owner's address, phone, email	P.O. Box 1471, Baton Rouge, Louisiana 70821, 225 389 3186, TStephens@brla.gov				
Services commenced by this firm (mm/yy)	10/19			Total consultant contract cost ($1,000's)	$285
Services completed by this firm (mm/yy)	11/20			Cost of consultant services provided by this firm ($1,000's)	$285

Firm's Role Topographic survey, hydraulic analysis and report, preliminary and final plans preparation, bridge design, geotechnical investigation and report, environmental services, construction cost estimate

Preliminary Design Plans and Report Arcadis provided all environmental and engineering services for the replacement of this existing two-lane bridge in East Baton Rouge Parish under DOTD Off System Bridge Rehabilitation and Replacement Program. Within three months of the contract notice to proceed, Arcadis provided a final preliminary design report to the City of Baton Rouge/ Parish of East Baton Rouge, complete with a detailed Hydrologic Engineering Center's River Analysis System (HEC-RAS) analysis, preliminary bridge and road design, and a bridge hydraulics report.

Final Design Plans and Cost Estimate Arcadis then prepared final bridge and roadway design plans and a construction cost estimate. The replacement bridge is located in a tangent section of roadway between two super-elevated curves. Site conditions required close coordination between the roadway and bridge teams to design a safe, constructable facility that fit within the existing right-of-way while meeting hydraulic opening requirements.

Similarities to Hooper Road

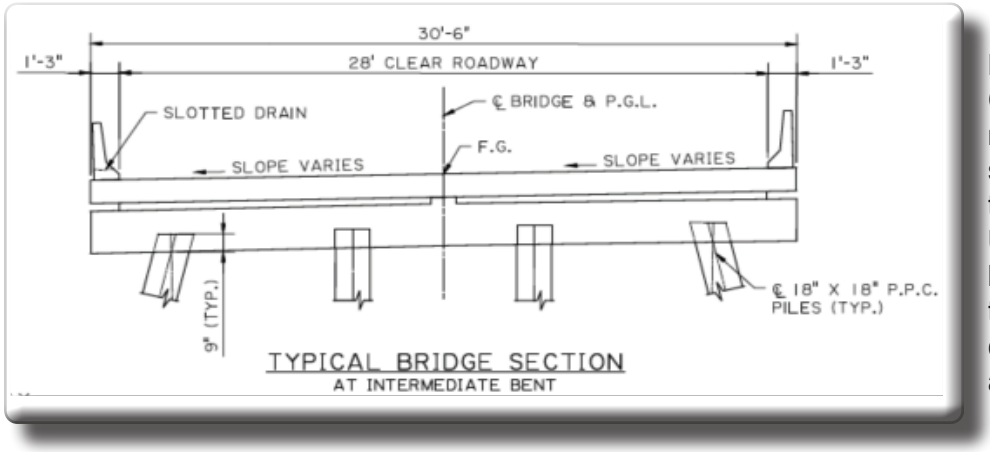
- Preliminary and Final Bridge and Roadway Design
- Bridge Hydraulics Report
- HEC-RAS Analysis
- Scour Analysis

Members involved that are used in this proposal:

- Akhil Chauhan

Past Performance Disciplines

- Bridge
- Road
- Environmental



Environmental Services Arcadis delineated and GPS located wetlands and other waters of the U.S. (WOTUS) with the proposed bridge right-of-way and prepared a Wetland and Waterbody Delineation Report per DOTD standards. Environmental staff worked with Design to identify the full extent of impacts to WOTUS, including temporary construction impacts. Arcadis then coordinated with U.S. Army Corps of Engineers staff regarding permitting requirements for the proposed bridge replacement. Based on this coordination, Arcadis developed plans that avoided the need to submit a Section 404 Clean Water Act permit application, allowing construction to proceed on a faster schedule without waiting for USACE permit authorization.

17. Firm Experience:

Firm name	Arcadis	Past Performance Evaluation Discipline(s)*	Traffic
Project name	LA 157 Corridor Study	Firm responsibility (prime or sub?)	Prime
Project number	H.011424.1	Owner's name	Louisiana Department of Transportation and Development
Project location	Bossier Parish, LA	Owner's Project Manager	Jody Colvin
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 242 4635, jody.colvin@la.gov		
Services commenced by this firm (mm/yy)	02/15	Total consultant contract cost ($1,000's)	$334
Services completed by this firm (mm/yy)	06/17	Cost of consultant services provided by this firm ($1,000's)	$364

Firm's Role The purpose of the study was to evaluate existing and no-build conditions along LA 157 from Booker Road to Fox Creek Road (approximately 3 miles) and develop corridor improvement alternatives that seek to address identified operational and safety needs for the project. Similar to Hooper Road, the LA 157 corridor is a two-lane undivided roadway that experiences moderate congestion and delay during peak periods.

Traffic and Safety Analysis The corridor study required the collection of a range of traffic and safety data including classification tube counts, peak period turning movement counts (TMCs), spot speed study, signal timings, peak period observations, growth rate, historical crash reports, etc. Traffic operations was analyzed using Highway Capacity Manual analysis methods, and safety analysis was performed using historical crash data to evaluate existing issues and Highway Safety Manual methods (CMFs) to estimate the safety performance of proposed improvements.

Alternative Development Three alternatives were developed to addressed identified safety and operational needs. All alternatives included converting the corridor into a 4-lane divided section with formalized U-turns to accommodate restricted movements. These access management improvements would significantly reduce conflict points and improve traffic flow along the corridor. A roundabout concept was developed for the intersection of LA 327 and a future planned connector road. Several alternates were developed for the interchange at I-20 including diverging diamond and traditional diamond interchanges. Conceptual design drawings were developed for all alternatives to demonstrate the impacts and feasibility of the project.

Benefit-Cost Analysis Estimated project benefits were monetized using FHWA guidelines for values of travel delay and crash severity. The reduction in delays and crash severities were summarized over a 30 year period. Construction costs were estimating using DOTD cost estimating tools. Construction costs ranged from approximately $35M to $60M and ***project benefits ranged from $183M to $485M over a 30-year design-life*** depending on the alternative.

Proposed access management, safety, and capacity improvements on LA 157.

Similarities to Hooper Road

- Data Collection
- Traffic Analysis
- Roundabout Analysis / Design
- Safety Analysis
- Signal Warrant Analysis
- Alternative Development
- Access Management
- Construction Cost Estimates
- Benefit-Cost Analysis

Members involved that are used in this proposal:

- Ari Deitch
- Akhil Chauhan

Past Performance Disciplines

- Traffic

17. Firm Experience:

Firm name	Bonton Associates	Past Performance Evaluation Discipline(s)*	Planning, Road
Project name	Sherwood Forest Extension (Greenwell Springs / Joor)	Firm responsibility (prime or sub?)	Sub
Project number	20-CP-HC-0014	Owner's name	East Baton Rouge Parish of Department of Transportation and Drainage
Project location	East Baton Rouge, LA	Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	Address: 222 Saint Louis Street, 8th Floor, Baton Rouge, LA; 225.389.3158; tstephens@brgov.com		
Services commenced by this firm (mm/yy)	02/21	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm ($1,000's)	$127

Firm's Role

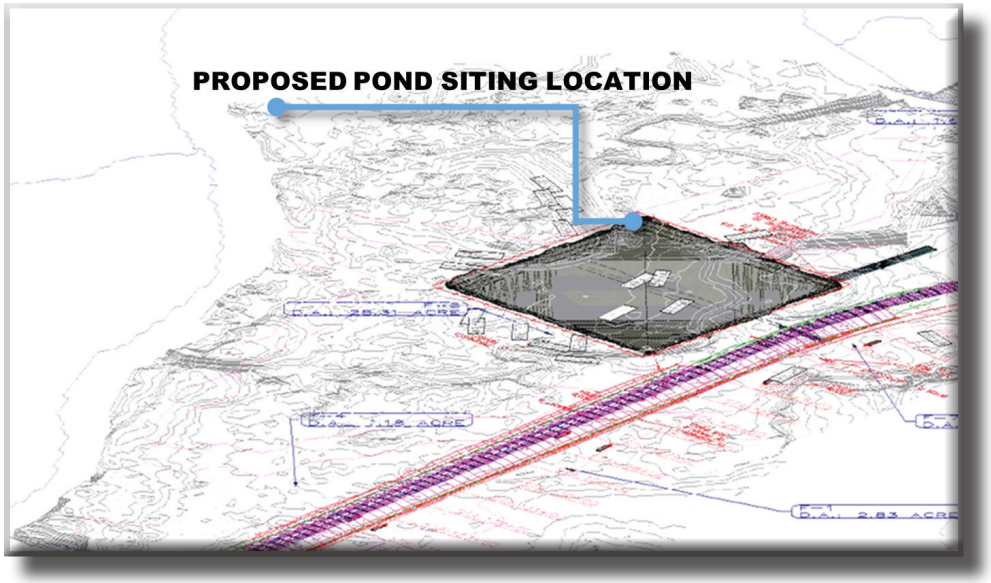
Bonton Associates was responsible for conducting the preliminary drainage analysis, preparing existing drainage map(s), proposed drainage map(s), develop green infrastructure solutions, and prepared preliminary construction cost estimates with respect to the preferred roadway alternative selected for project Design Study (Preliminary Engineering Phase) and Final Design.

Project Description

The Sherwood Forest Extension, Greenwell Springs Road – Joor Road, project proposed to extend the roadway from the intersection at Greenwell Springs Road (on the south) to Joor Road (on the north).

Team Members Involved

- Darius Bonton, PE, MBA
- Kiran Gurung, PE, MS



17. Firm Experience:

Firm name	Bonton Associates	Past Performance Evaluation Discipline(s)*	Planning, Road
Project name	Jones Creek Road (Jefferson Highway – Airline Highway)	Firm responsibility (prime or sub?)	Sub
Project number	19-CP-HC-0036	Owner's name	East Baton Rouge Parish of Department of Transportation and Drainage
Project location	East Baton Rouge, LA	Owner's Project Manager	Tom Stephens, PE
Owner's address, phone, email	Address: 222 Saint Louis Street, 8th Floor, Baton Rouge, LA; Phone: (225) 389-3158; Email: tstephens@brgov.com		
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)	$57.7

Firm's Role

Bonton Associates is responsible for developing the proposed drainage design, drainage plan and profiles sheets, design drainage map(s), DOTD coordination and compliance with DOTD Design guidelines for all design plan deliverables of the project.

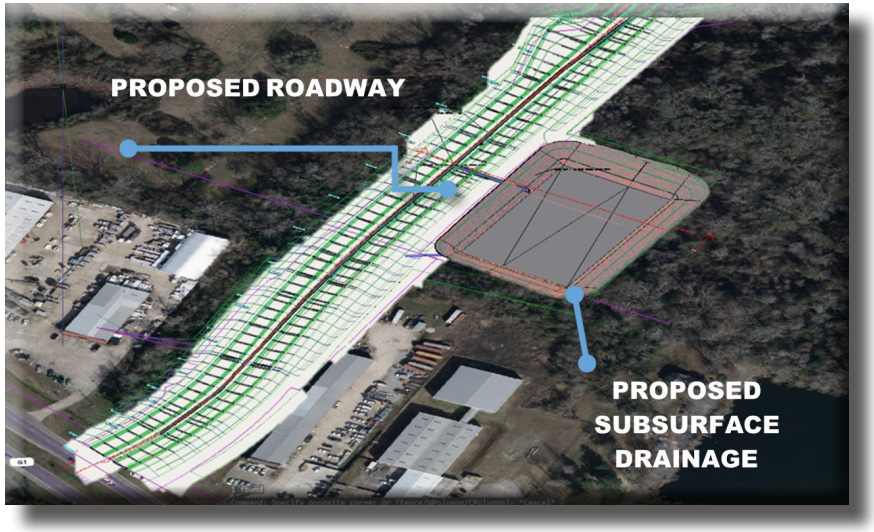
In addition, extensive coordination will be necessary with the roadway designers to incorporate proposed drainage into roadway design and design plans (plan & profiles, project quantities, quantity tables, details, specifications, cost estimates, etc.) over the course of the 30%, 50%, 60%, 90%, and 100% design milestones and submittals.

Project Description

The Jones Creek Road (Jefferson Highway to Airline Highway) project includes planning and design services associated with increasing roadway capacity within project limits.

Team Members Involved

- Darius Bonton, PE, MBA
- Kiran Gurung, PE, MS



17. Firm Experience:

Firm name	Bonton Associates			Past Performance Evaluation Discipline(s)*	Planning, Road
Project name	Lee Drive (Highland Road – Perkins Road)			Firm responsibility (prime or sub?)	Sub
Project number	20-CP-HC-0044	Owner's name	East Baton Rouge Parish of Department of Transportation and Drainage		
Project location	East Baton Rouge, LA			Owner's Project Manager	Justin Schexnayder, PE
Owner's address, phone, email	Address: 222 Saint Louis Street, 8th Floor, Baton Rouge, LA; 225.761.3608; justin.schexnayder@csrsinc.com				
Services commenced by this firm (mm/yy)	03/21	Total consultant contract cost ($1,000's)	$168.2		
Services completed by this firm (mm/yy)	11/22	Cost of consultant services provided by this firm ($1,000's)	$168.2		

Firm's Role

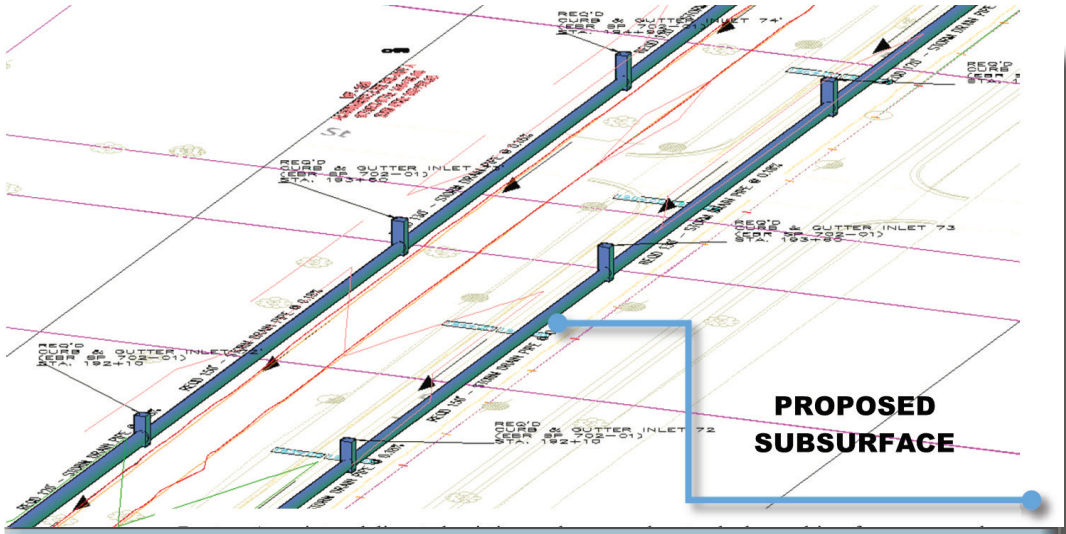
Bonton Associates is responsible for conducting the preliminary drainage analysis, existing drainage map(s), site investigations, hydraulic design, and green infrastructure planning associated with the preferred roadway alternative selected for the project Design Study (Preliminary Engineering Phase).

Project Description

The Lee Drive (Highland Road-Perkins Road) project includes planning and design services to increase roadway capacity and enhance traffic flow within the project limits in compliance with MOVEBR Consultant requirements and Design Guidelines.

Team Members Involved

- Darius Bonton, PE, MBA
- Kiran Gurung, PE, MS
- Blake Roussel (as sub-consultant)
- Jesse Tisdale (as sub-consultant)
- Jared Blohowiak (as sub-consultant)



Bonton Associates delineated existing and proposed watersheds resulting from proposed capacity improvements along Lee Drive. Following the development of proposed drainage maps, their water team began designing drainage network improvements to accommodate proposed roadway improvements while minimizing upstream and downstream drainage impacts.

Stanley Consultants was also a sub-consultant to Arcadis on this project.

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical	
Project name	Kansas Lane, Garrett Road Connector and I-20 Improvements		Firm responsibility (prime or sub?)	Sub	
Project number	H.004774 & H.007300.6	Owner's name	State of Louisiana, DOTD		
Project location	Ouachita Parish, Louisiana		Owner's Project Manager	Unknown	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1387, Kristy.smith2@la.gov				
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost ($1,000's)	2,853		
Services completed by this firm (mm/yy)	04/22	Cost of consultant services provided by this firm ($1,000's)	279		

Firm's Role Fugro provided a geotechnical study that included a field study, laboratory testing, engineering analysis and data reporting to assist Lazenby & Associates, Inc., the prime design consultant, in the design of the new additions.

Description DOTD is planning to widen Garrett Road and provide a connection from I-20 to Kansas Lane in the City of Monroe, Ouachita Parish. The project includes widening Garrett Road to four lanes from the intersection with Huntington Drive, north to Millhaven Road. The existing overpass along Garrett Road over I-20 will be straightened. A second overpass will be added south of I-20 and extending across the I-20 interchange. Garrett Road improvements includes a second two-lane bridge beginning south of Millhaven Road, passing over Millhaven Road and the Kansas City Southern (KCS) railroad (KCS) and ending north of Millhaven Road. The southern bridge approach will consist of an embankment, mechanically stabilized earth wall (MSEW) structure.

Fugro's specific scope of work included the following:

- Developed a traffic plan and implemented traffic control for the field
- Drilled 22 pavement borings for a subgrade soil survey program
- Drilled 26 soil borings ranging from 70 to 120-ft each using DOTD protocols
- MSE wall considerations
- Embankment settlement and slope stability calculations for various fill heights and surcharge evaluations
- Performed deep foundation engineering analysis and developed pile order lengths using AASHTO LRFD specifications

Members involved that are used in this proposal:

- Sam Bryant, PhD, PE, PG
- Eric Marx, PE
- Jack Koban, PhD, PE, PG

Past Performance Disciplines

- Geotechnical

17. Firm Experience:

Firm name	Fugro USA Land, Inc.	Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	DOTD Statewide Geotechnical Retainer IDIQ Contract (multiple)	Firm responsibility (prime or sub?)	Prime
Project number	700-66-0507	Owner's name	State of Louisiana, DOTD
Project location	Statewide, Louisiana	Owner's Project Manager	Kristy Smith
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1387, Kristy.smith2@la.gov		
Services commenced by this firm (mm/yy)	07/10, 01/20	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	05/17, 01/23	Cost of consultant services provided by this firm ($1,000's)	6,000

Firm's Role As part of a Statewide Geotechnical retainer contract awarded multiple times, Fugro performed geotechnical exploration and engineering related services for statewide projects under individual Task Orders for DOTD. The contracts have included over 25 task orders have covering a wide geographical area of Louisiana. The geotechnical investigations, sampling, and testing services provided for this contract include:

- Field reconnaissance for equipment access
- Land clearing for equipment access
- Deep and shallow soil borings
- ECPT soundings
- Drafting of boring and ECPT logs
- Drafting of subgrade soil surveys
- Instrumentation installation – LA 70 (Bayou Corne sinkhole)
- Exploration location survey
- Laboratory testing

Description Fugro, as the prime consultants, is performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $4M. The scope of work included soil borings (on land and in water), laboratory testing, engineering analysis, and design recommendations. Fugro was also retained to install geotechnical instrumentation. Work was performed in accordance with DOTD protocols.

Fugro was once again selected for this contract in 2020 and has been awarded 4 task orders between 2021 and 2022 the largest of which included over 70 borings.

Members involved that are used in this proposal:

- Eric Marx, PE
- Jack Koban, PhD, PE, PG
- Sam Bryant, PhD, PE

Past Performance Disciplines

- Geotechnical

17. Firm Experience:

Firm name	Fugro USA Land, Inc.	Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	I-12 to Bush Corridor, LA 3241 (I-12 to LA 36)	Firm responsibility (prime or sub?)	Sub
Project number	H.004774 & H.007300.6	Owner's name	State of Louisiana, DOTD
Project location	St. Tammany Parish, Louisiana	Owner's Project Manager	Unknown
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1387, Kristy.smith2@la.gov		
Services commenced by this firm (mm/yy)	03/17	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	09/17	Cost of consultant services provided by this firm ($1,000's)	390

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)
* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Firm's Role Fugro provided a geotechnical study that included a field study, laboratory testing, engineering analysis and data reporting to assist Evans-Graves Engineers, Inc., the prime design consultant, in the design of the new additions.

Description DOTD was planning to widen LA 434 from the current two-lane section to a four-lane section from the Interstate I-12 interchange northeast for about 2.2 miles, then adding a new four-lane alignment with an 18-ft-wide median northeast for about 6.1 miles, terminating at LA 36. The project included a 195-ft-long, three-span bridge over Firetower Road, with AASHTO type III girders spaced at 65 ft on center. Planned cross drains and metal side drains along LA 434 and near LA 36 range from 24- to 42-inch-diameter pipes, consisting of single, double, and triple barrel configurations.

Fugro's specific scope of work included the following:

- Developed a traffic plan and implemented traffic control for the field
- Developed a traffic plan and implemented traffic control for the field
- Drilled 33 pavement borings for a subgrade soil survey program
- Drilled 64 soil borings ranging from 8 to 110-ft each using DOTD protocols
- MSE wall considerations
- Embankment Settlement calculations for various fill heights and surcharge evaluations
- Performed deep foundation engineering analysis and developed pile lengths using AASHTO LRFD specifications
- Developed test pile program

Members involved that are used in this proposal:

- Sam Bryant, PhD, PE, PG
- Eric Marx, PE
- Jack Koban, PhD, PE, PG

Past Performance Disciplines

- Geotechnical

18. Approach and Methodology:

UNDERSTANDING

Hooper Road (LA 408), is a primary east-west link in the northern portion of the Baton Rouge metro area. It connects I-110 to Greenwell Springs (LA 37), passing adjacent to the Baton Rouge Airport and through the City of Central. The limits of this project begin at Sullivan Road (LA 3034) and proceed 3-miles east to Greenwell Springs Road.

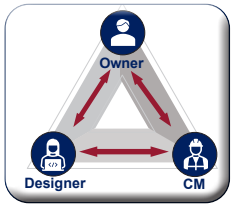
The current roadway is an asphalt paved 2-lane section with minimal to no shoulders, posted at 55 mph. There are ditches along both sides of the roadway with very steep side slopes. Based on observations and discussion with the Central Police Department, we are aware that the corridor carries a significant percentage of heavy trucks, primarily from the local gravel pits. Hooper Road intersects with six crossroads and over 110 driveways and other access points. Pedestrian infrastructure along the corridor is very limited.

There are two stream crossings along the corridor. The Beaver Bayou crossing structure consists of a triple 10'x10' box. A second crossing west of Beaver Bayou is a smaller triple box with two additional large corrugated metal pipes. Both crossings have extensive erosion and upstream debris obstructions. It is our teams understanding that these crossings are being considered for bridges.

Box Culvert at Beaver Bayou

There was an environmental assessment (EA) with FONSI completed in 2015. Associated with this study is a feasibility study and concept level plan of the corridor. These documents depict a 4-lane ultimate section with a 30-foot center median for access control. Due to the proximity of structures, steep driveways and large overhead power lines, the majority of the widening is anticipated to be on the north side of the roadway. Per the EA, drainage will be maintained through large ditches along both sides of the roadway.

Our key team members have spent time reviewing existing documents, including *Route LA 408 (Hooper Road) Extension Final Environmental Assessment with FONSI, East Baton Rouge Stormwater Master Plan,* FEMA maps, *City of Central Land Use Master Plan*, and the *BREC Strategic Plan*. We have also spent time driving and walking the corridor noting challenges and opportunities. In general, this project will have several potential challenges including minimizing right-of-way takes, addressing the many access points, maintaining safety, and keeping the design and construction costs in check.



CMAR: The Construction Management at Risk (CMAR) delivery method was selected by DOTD for the Hooper Road project. There are many advantages to the CMAR delivery method that we hope to take advantage of on the Hooper Road project, including:

- Value Engineering (VE)
- Compressing Schedule
- Reducing Risk
- Reducing Cost

Stanley Consultants has been working with owners and contractors on CMAR projects for decades. Our proposed team of alternative delivery experts have a combined experience of over 120-years on CMAR/ alternate delivery experience dating back to the early 1990s. **DOTD will benefit from their knowledge, ideas, wisdom and lessons learned throughout the CMAR process.**

Figure 1: Existing Conditions Map

APPROACH

DOTD has a very defined design and project delivery process which can be easily molded to work within the bounds of CMAR. The graphic below depicts the union of these two processes. Upon selection, agreement on the scope, fee and budget, the Stanley Consultants Team will begin working on the necessary data collection, traffic analysis and design. During this time, DOTD will follow their selection process to bring a contractor to the team. After the contractor is on board, the combined team will begin the process in earnest with a partnering workshop.

Partnering: We are aware of the need for proactive coordination and communication throughout a CMAR project. We will operate using a partnering approach to relationships with the team, promoting a cooperative environment, for schedule compliance, cost effectiveness and relationship building. All three parties working in unison to a common goal is what makes the CMAR process unique, efficient, and fun. Partnering will be continuous throughout the project, and specifically at workshops as depicted in the CMAR Process Flow Chart. Some of our most successful CMAR projects have been when all parties are working together at one site allowing the contractor access to freely communicate with designers. The engineers can then bounce ideas off the contractor who can investigate constructability and costs real time. To this end, we will have set aside a portion of our office in Baton Rouge to allow for members of the construction and/or DOTD team to work side by side with us.

At the end of the partnering workshop, Stanley Consultants will finalize the design schedule and the contractor develops a Risk Management Plan, Risk Register, Schedule and Cost Model. During 30% design, the entire team will gather for a Value Engineering Workshop. At that time Stanley Consultants will submit the plans for review.

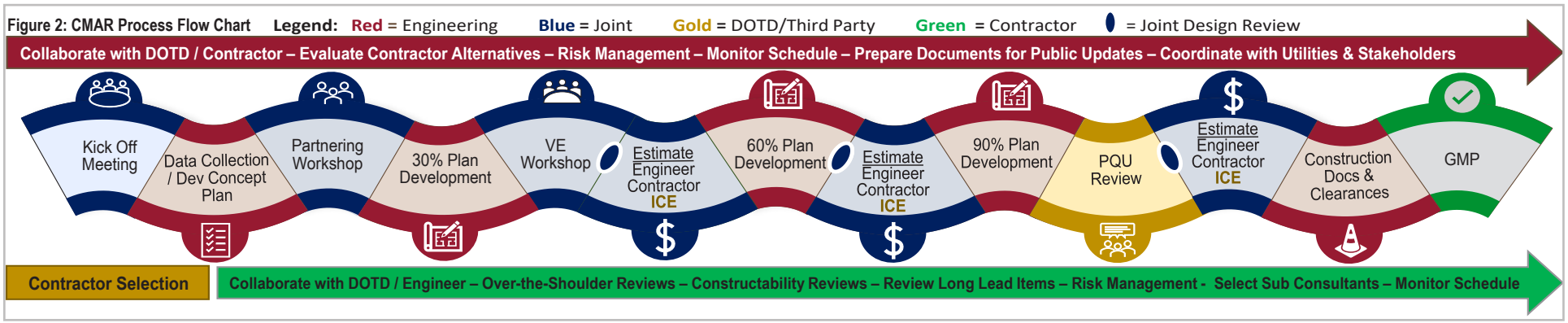
Value Engineering Study: Our transportation design and construction experts will participate in a Value Engineering (VE) study. The VE study will be conducted early enough in the project development process so recommendations can be evaluated and incorporated. The VE study will be performed in accordance with FHWA guidelines and identify possible alternatives that will save the project cost, time, and add value. Gary Melita is our foremost VE expert and will lead the Stanley Consultants Team during the sessions. For this project we anticipate VE items to include at a minimum, drainage infrastructure, pavement sections, box culvert alternatives, construction phasing, grading alternatives, ROW and roadway typical sections.

Constructability Review: Similar to assembling a cost estimate, the CMAR process offers redundancy with constructability review of the project. The CMAR contractor and engineer will work in unison to confirm the validity and quality of the design. Contractors will typically focus on the means/methods and safety to minimize cost, schedule and mitigate/retire risk. Stanley Consultants, led by Mike Chase, will review the plans to confirm they are practical, efficient, meet DOTD design criteria, and are constructible by the CMAR contractor.

Cost Estimate: Another unique aspect of the CMAR process is that DOTD will not be relying solely on just the engineers cost estimate to make decisions. The engineer, contractor and Independent Cost Estimator (ICE) will all be performing concurrent estimates, independent of each other. Each will be developing an estimate using different metrics. Our experienced estimating team, led by Dan Cluff, who has spent most of his career working as a contractor, will use current and past unit cost data from similar projects to develop costs that will closely emulate current conditions.

Review Workshop: After the document review and estimates are complete, the entire team will gather for a workshop to discuss the design, constructability, and associated costs. The contractor will then update their risk matrix and cost model. The process repeats itself for the 60%, 90% and 100% design. Upon completion of the 100% design and specification package, the contractor will present a Gross Maximum Price (GMP) to DOTD prior to beginning construction.

Roadway Design: Our roadway team has already begun looking at options to reduce cost and minimize impacts along Hooper Road. The EA's proposed typical depicts a 4-lane section with a wide center median. During the plan development and VE study, we will present several alternatives that will meet project goals, by providing a modified section with a smaller footprint, reduced need for ROW and lower construction costs.



Our initial analysis of the corridor and the current typical section depict the need for the import of up to 250,000 cubic yards of embankment material. This will require tens of thousands of truckloads of fill to be imported from off site. Based on current fuel prices and the shortage of truck drivers, this is a major challenge to be discussed and reviewed for practical alternatives.

Each of the seven intersections along this corridor (including BRECs future entrance to Jacob Kornmeyer Park) will be analyzed and reviewed for potential access control features such as median openings, J-turns, or signalization.

The EA depicts the addition of a multi-lane roundabout at the intersection with Greenwell Springs Road. Design at this location will need to address the sub-standard existing horizontal and vertical geometry that is causing multiple safety issues. The ultimate plan, to extend Hooper Road over the Amite River and tie into LA 16, will require the roundabout to accommodate a future eastern leg. The design will need to accommodate conversion to a multi-lane roundabout in the future with minimal reconstruction. One way this can be accomplished is by installing additional pin on islands to prevent utilization of the exterior lane by circulating traffic. This is depicted on the rendering as shown on the cover.

Placing the roundabout on alignment or shifting it to the east will allow a temporary diversion road for Greenwell Springs. This will allow construction of the entire intersection at one time, significantly compressing the schedule.

As discussed with DOTD staff, a second roundabout may be desired on the west end of the project at Sullivan Road. Due to high traffic volumes, a single lane roundabout will likely not meet the required level of service necessitating it to be multi-lane. Spiralized geometry will be required to properly allow navigation through the roundabout without changing lanes. This will limit the need for additional ROW by eliminating the need for additional receiving lanes on the northern leg.

Structures/Bridge: After a preliminary roadway footprint has been developed and approved, the drainage, structural and geotechnical teams will proceed with evaluation of potential structure types. This process will be largely dictated by the hydraulic analysis and an evaluation of existing geotechnical conditions. Each structure type will consider cost, constructability, maintenance, durability, life cycle cost and aesthetics. The existing boxes and culverts at the primary drainage crossings will be evaluated to develop multiple comparable alternatives including bridges, multi-cell culverts or con-spans. Other considerations when selecting a structure type will include ROW needs, temporary construction easements, guardrails and complete streets requirements.

Risk Assessment: Figure 3 presents our initial review of project risks along with solutions and mitigation strategies. Upon NTP, we will prepare a formal detailed risk register in coordination with DOTD Project Manager, Tim Nickel. We will routinely update the register to track issues, prepare advance resolutions, and avoid impacts throughout the project's development. Planning and diligent monitoring with the team, CMAR and stakeholders to resolve challenges early will ensure a successful project.

Drainage: We will evaluate the hydrology of the area, and hydraulic capacities of the current systems to delineate existing drainage areas and land uses. We will review the existing drainage networks, outfalls, and perform channel hydraulic analysis. This will be necessary to make an informed decision of which types of crossing structures are best suited to specific locations. There are two primary channel crossings; at Beaver Bayou and its tributary near Devall Rd. The hydraulic capacity of these channels will be a driving factor in the decision to replace the existing box culverts.

The hydrologic analysis is necessary because Hooper Road acts as an impediment in the Comite River Watershed. To help alleviate future flooding, design measures will be implemented to mitigate increases in the headwater on the north side of Hooper Road.

We will evaluate stormwater management options such as possible detention ponds to ensure that the proposed conditions avoid increased flows at the outfall locations. Green infrastructure options will be evaluated and incorporated into the proposed drainage design.

Traffic Analysis: A TEPR compliant study will be conducted in accordance with EDSM VI.1.1.2 to support all aspects of the CMAR process. Our Team is familiar

Figure 3: Design Risk Identification / Mitigation Strategies

Legend: Low Risk | Medium Risk | High Risk

Risk	Scope	Schedule	Budget	Cost	Likelihood	Impact	Potential Impacts	Mitigation/Strategies	After Mitigation: Likelihood	After Mitigation: Impact
Traffic Analysis	✓	✓					Delays or placing design at risk if the Traffic Analysis is not completed on schedule.	Begin analysis at NTP. Maintain constant communication with DOTD and stakeholders.		
Design Variances, exception identification, analysis, and approval.		✓					Approval delays impact design schedule, project scope, and cost.	Early involvement in the scoping phase with the DOTD to determine the requirements for variance requests.		
Increase project cost due to internal State and external stakeholder requests/enhancements.	✓	✓	✓				Scope creep is commonly the result of new ideas, suggestions, and preferences that arise through scoping and final design phases.	Clearly define project elements and footprint during the scoping phase. Notify DOTD PM immediately of any discussions or requests that could lead to scope, budget, and schedule impacts.		
Additional ROW clearance		✓	✓				Increases environmental clearance efforts and cost, impacts adjacent property owners, and requires time for acquisition that could cause schedule delays.	Review and confirm ROW requirements within 60 days of NTP. Early delineation will provide time for acquisition if new ROW cannot be avoided.		
Cost Inflation/Escalation		✓	✓				Current market conditions, supply chain challenges, inflation, and labor shortages.	Monitor market conditions and construction materials costs and carry appropriate contingencies. Adjust design to address material shortages and cost increases.		
Unforeseen Utility Conflicts		✓	✓				Identifying utility conflicts too late to address avoidance measures and relocation efforts can lead to project impacts.	Review utility designation early. Focus on and identify potential conflicts early, meet with State and utility owner to determine relocation or avoidance strategies.		

with this application through experience with other CMAR projects, including I-10 in East Baton Rouge Parish.

Operational and Safety Needs: We will define the operational and safety needs of the project through review of previous studies, collection and analysis of traffic data, and evaluation of existing and future no-build conditions. Key aspects of design development will include intersection design and traffic control, median opening locations and design, turn lane lengths, and access management strategies.

Access Management Strategies: The traffic study will evaluate impacts to existing access connections and determine appropriate strategies to accommodate redistributed volumes. Strategies will be developed in accordance with EDSM IV.2.1.4 – Median Openings on Divided Multi-Lane Roadways.

Roundabouts: The study will be critical in assisting with the potential design of roundabouts at Sullivan and Greenwell Springs Roads. Roundabout analysis will be performed using SIDRA software, in accordance with DOTD SIDRA setting preferences.

Complete Streets: Bicycle and pedestrian accommodations will be provided to satisfy DOTD's complete streets policy. Crosswalk installation requirements will be developed based on Sections 3B.2 and 7A.2 of DOTD Traffic Engineering Manual.

Transportation Management Plan (TMP): The TMP will be developed to assist with construction phasing and impact management strategies. It is anticipated that a Level 2 or 3 TMP will be required for the project. The majority of Hooper Road segments between Sullivan Road and Amber Lake Drive are on the High Potential for Safety Improvement (PSI) list. In light of this condition, our Team will evaluate the need for additional mitigation strategies to address safety issues.

Construction Sequencing: Working in conjunction with the CMAR Contractor, our team will develop a roadway plan that will meet project needs, DOTD requirements, maintain two lanes of traffic at all times, and be structured to accommodate specific construction means and methods. Unlike a traditional design-bid-build, where the engineer is making an educated guess at how the contractor will construct the project, the CMAR process allows for guidance to help develop the plans. The challenges with phasing this project will lie with the multitude of access points and the potential for one or more roundabouts. Having completed many roundabout projects in the past, our design team has an understanding of the complexities required to efficiently and safely convey traffic through a roundabout construction site.

Utility Coordination: As with any project, early coordination and identification of utility impacts is critical to maintaining the schedule. Through our scoping effort, we anticipate coordination with several utility owners. Initial findings indicate the following utility owners in the project area; Entergy, DETEL, Sewer/Water, DEMCO, AT&T and Cox.

We will assist DOTD through the Utility Clearance process. Our team has extensive experience providing utility support to DOTD similar to the LA 675, LA 30 and US 171 projects.

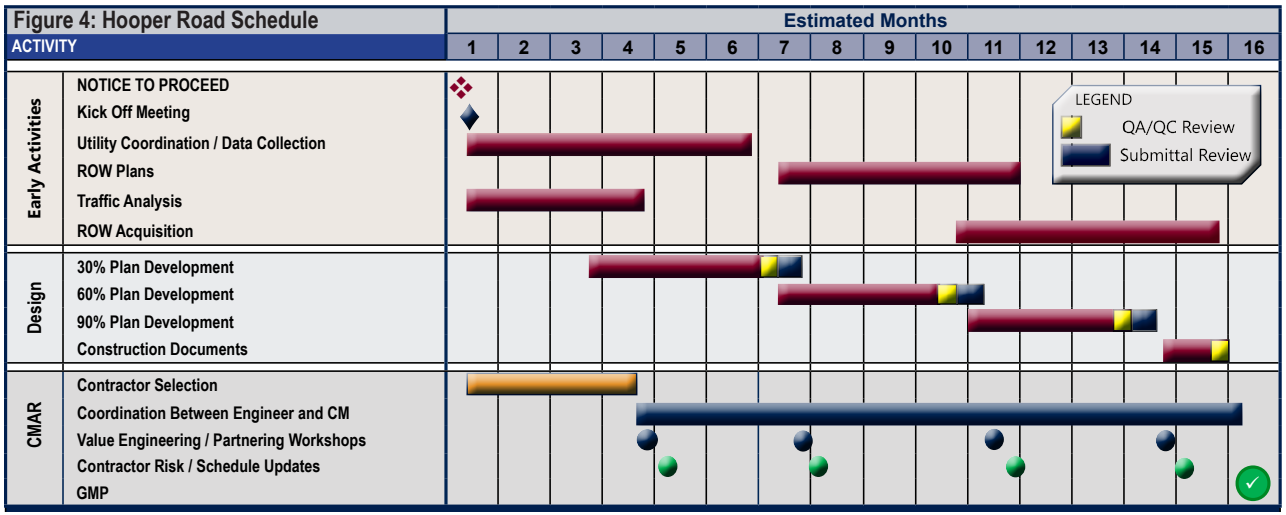
Geotechnical: Fugro will provide geotechnical services including foundation designs at stream crossings, subgrade soil survey data, soil borings, lab testing, soil classification, site characterizations, boring logs and optional cone penetrometer test (CPT) soundings. All work will be in accordance with the DOTD 2016 Standard Specifications for Roads and Bridges and applicable Geotechnical Guidelines.

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. Our Quality Assurance activities will be managed by Buddy Porta. As Design Quality Assurance Manager (DQAM), he 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.

Schedule: We have carefully developed the following schedule which identifies major milestones, deliverables, review periods, and tasks necessary to complete the project plans. We are confident that all parties will collaborate to maintain this schedule.

The magnitude and delivery schedule of the Hooper Road project aligns perfectly with the size and skill-set of our Stanley Consultants Team. Our local staff has successfully delivered projects for DOTD of similar size and complexity. They will be augmented with local specialized sub-consultants and Stanley Consultants' national CMAR subject matter expertise.

Figure 4: Hooper Road Schedule



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
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 (2021)	$171,274
Arcadis	ITS	H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2021)	$75,276
Arcadis	ITS	H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2021)	$49,298
Arcadis	ITS	H.013868.5	ITS Program Management and Operations (2022)	$668,651
Arcadis	ITS	H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	$674,471
Arcadis	ITS	H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	$154,105

Arcadis	ITS		PO No. 2000588785 Scott Tower Cable and Grounding Repair, PO No. 2000609725 I-10 @ Louisiana Ave CCTV & Elec Repair, PO No. 2000610683 I-110 @ US61 Mini-Split AC Install, PO No. 2000620009 LA 3040 @ Hollywood Rd Elec Serv. Install, PO No. 2000617303 I-10 @ Picardy CCTV Upgrade, PO No. 2000617304 US 61 @ Greenwell Springs Bluetoad Install, PO No. 2000634022 I-60 @ Canal CCTV Upgrade, PO No. 2000634027 I-20 @ I-220 CCTV Repair For The Site in Shreveport, LA, PO No. 2000635990 LaPlace Microwave Tower CCTV Install, PO No. 2000635996 I-10 @ Claiborne DMS Electrical Service Vandalism Repair, PO No. 2000644636 I-10 @ LA 22 DMS CCTV Install	$52,200
Arcadis	CE&I/OV	H.011220.6-1	I-10 CBD2 Carrollton-Lafitte Ave and Supplement No. 1	$120,499
Arcadis	CE&I/OV	H.012876.6	US 90Z (I-10 Magnolia Street) Supplement No. 1	$36,153
Arcadis	CE&I/OV	H.013710.6	I-10: US 61 to Laplace ITS Deployment	$542,651
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	$774,686
Arcadis	Bridge	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$1,424,422
Arcadis	ITS	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	$299,878
Arcadis	Traffic	H.005121	LA 1/LA 415 Connector	$108,947
Arcadis	Traffic	H.972419.1	SHSP Update and Regional SHSP Marketing/Advertising Support	$31,557
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	$24,979
Arcadis	Traffic	H.013322.1	LA 3040 Feasibility Study	$80,000
Arcadis	Environmental	H.012891	LA 300 at Bayou LaLoutre	$12,825
Arcadis	Environmental	H.014215	LA 20 at 40 Arpent Canal and Drainage Canals	$50,048
Arcadis	Environmental	H.014213	LA 700 at Indian Bayou and Bayou Grand Marais	$40,179
Arcadis	Environmental	H.014279	LA 35: Drain Canal Near Lawtell	$32,759
Arcadis	Environmental	H.014278	LA 85: Patout and Drain Canal Bridges	$39,894
Arcadis	Environmental	H.014276	LA 975: Creek Bridges	$20,579
Arcadis	Environmental	H.014216	LA 682 at Norris Canal and Unnamed Tributaries	$48,600
Arcadis	Environmental	H.014241	LA 10 at Mill Creek	$32,741
Arcadis	Environmental	H.014251	LA 422: Bridge Over Unnamed Stream	$31,538

Arcadis	Environmental	H.012565	LA 963 at Redwood Creek and Little Redwood Creek	$14,378
Arcadis	Environmental	H.014257	LA 68 at Karrs Creek	$33,121
Arcadis	Environmental	H.014253	LA 421 at Thom Creek	$13,880
Arcadis	Environmental	H.014256	LA 952 at McKowen Creek and Beaver Creek	$38,383
Arcadis	Environmental	H.014254	LA 955 at Knighton Bayou, Trib. Olive Branch, White Branch, and Chapman Branch	$55,056
Arcadis	Environmental	H.012061	LA 1 at Lateral W15#7A and Bayou Moreau	$13,934
Arcadis	Environmental	H.014252	LA 1054 at Tyner Creek	$11,799
Bonton Associates	Road	H.010652.5	LA 73: US 61 (Airline) – Essen Lane	$65,211
Fugro USA Land, Inc.	Environmental	440006176	IDIQ Contract for Corrective Action Plan Development and Implementation (Most Recent Task Order Complete)	N/A
Fugro USA Land, Inc.	Geotechnical	H.012032.5	LA 2 Colewa Bayou and Delmar Bayou Bridges	$111,123
Fugro USA Land, Inc.	Geotechnical	H.012071.5	US 51: Yellow Water Bridge	$11,506

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

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Training & Products Dept. Director

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Jesse Tisdale

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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:

Project Management Institute

THIS IS TO CERTIFY THAT

Akhilendra S Chauhan

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND SKILLS TO LEAD AND DIRECT PROJECT TEAMS AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE.

Beth Partleton · Chair, Board of Directors

Mark A. Langley · President and Chief Executive Officer

PROJECT MANAGEMENT INSTITUTE CORPORATE SEAL PENNSYLVANIA 1969

PMP® Number **1444676**

PMP® Original Grant Date **16 August 2011**

PMP® Expiration Date **15 August 2014**

PMI Project Management Institute

20. Certifications/Licenses:

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Unless withdrawn by the Certification Board, this certificate number 2544
issued in Washington, D.C. is subject to the provisions for renewal

November 24, 2008

Steven D. Hofener
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

20. Certifications/Licenses:

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRANSPORTATION PLANNER

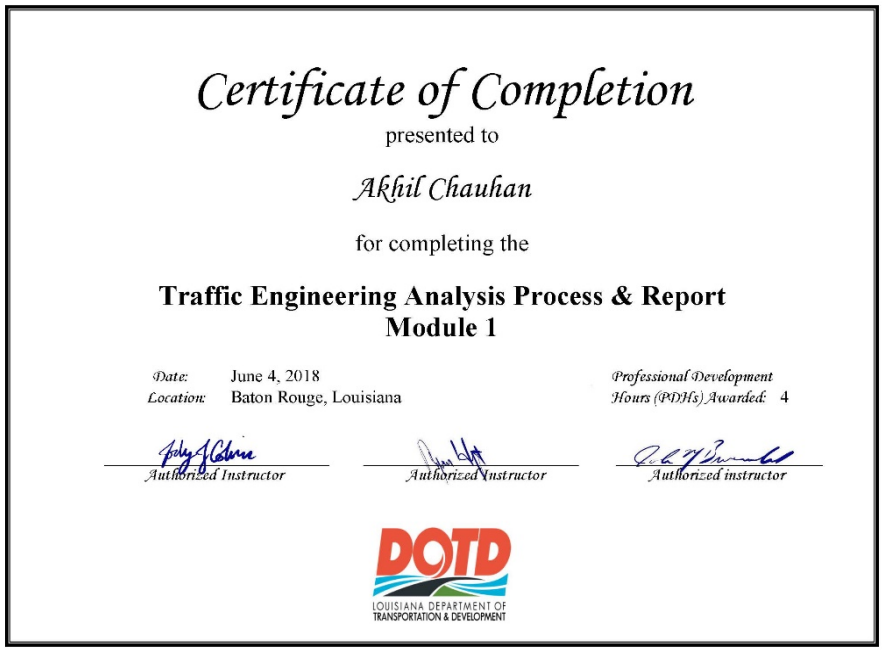
Unless withdrawn by the Certification Board, this certificate number 246
issued in Washington, D.C. is subject to the provisions for renewal
December 1, 2009

Steven D. Hofener
Chair

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

20. Certifications/Licenses:



Certificate of Completion

presented to

Akhil Chauhan

for completing the

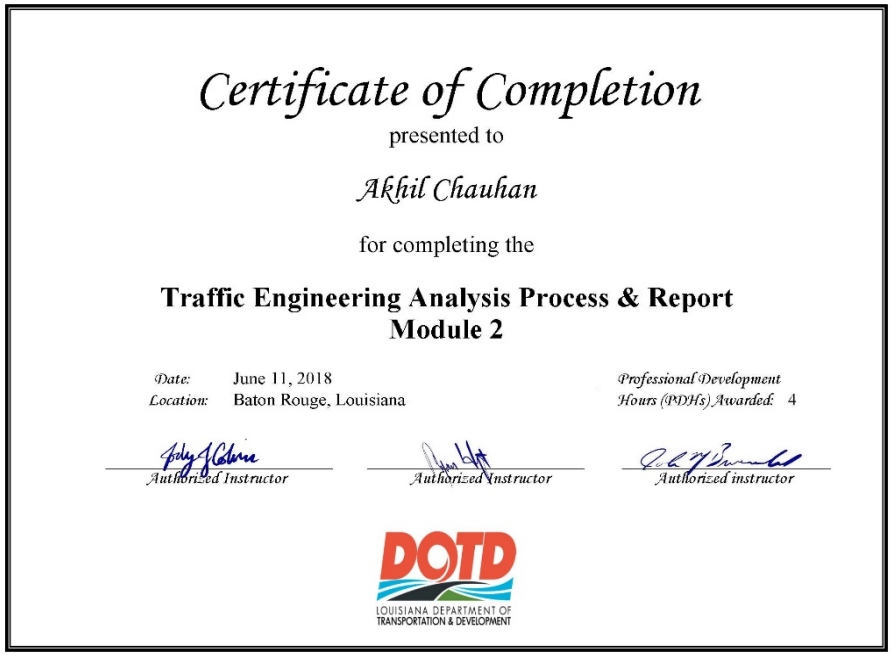
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Akhil Chauhan

for completing the

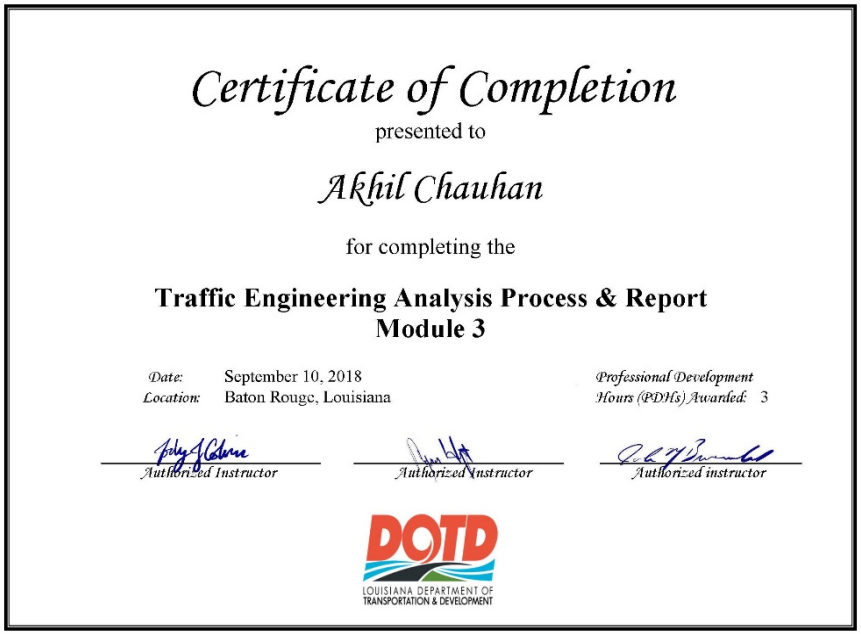
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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www.lapels.com

Mr. Akhilendra Singh Chauhan

License/Certificate Type - Number	Expiration Date
PE.0033703	09/30/2022

Status: Active

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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Ari J. Deitch

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

Status: Active

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Mr. Gabriel Sebastian Arias

License/Certificate Type - Number	Expiration Date
PE.0042599	09/30/2022

Status: Active

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Mr. Lloyd Elmo Porta Jr.

License/Certificate Type - Number	Expiration Date
PE.0016425	09/30/2023

Status: Active

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Mr. David Lorie Fulks II

License/Certificate Type - Number	Expiration Date
PE.0030151	09/30/2022

Status: Active

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Mr. Jose Luis Rodriguez

License/Certificate Type - Number	Expiration Date
PE.0030492	03/31/2023

Status: Active

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

Mr. Kester Berk Hollier

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

Status: Active

20. Certifications/Licenses:

Certificate of Professional Development Hours

presented to

Ari Deitch

for attending the

Highway Safety Manual Workshop

12 PDHs

on

May 2-3, 2013 Baton Rouge, Louisiana

Authorized By

LTRC Louisiana Transportation Research Center

Research, Technology Transfer, Education and Training

DOTD

20. Certifications/Licenses:

Transportation Professional Certification Board, Inc.

certifies that

Ari Jacob Deitch

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 37 issued in Washington, DC, USA

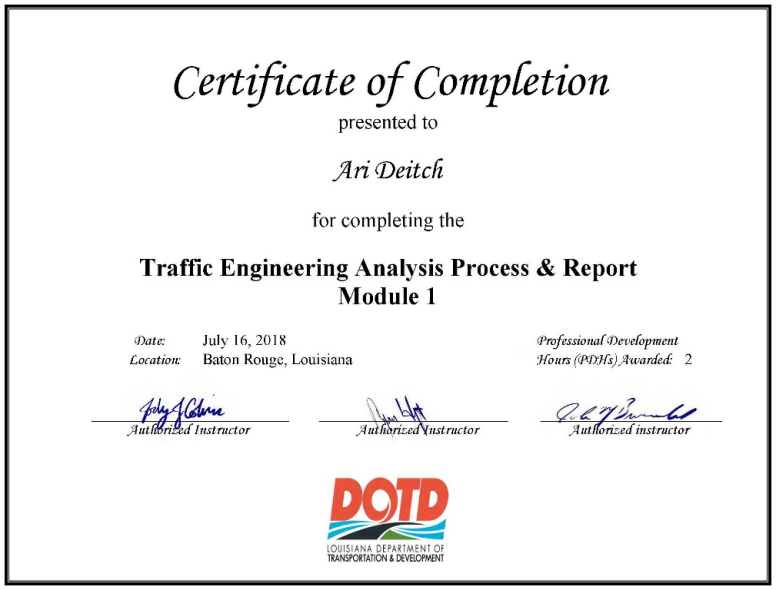
12/21/2018

Diane W. Morabito
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

20. Certifications/Licenses:



Certificate of Completion

presented to

Ari Deitch

for completing the

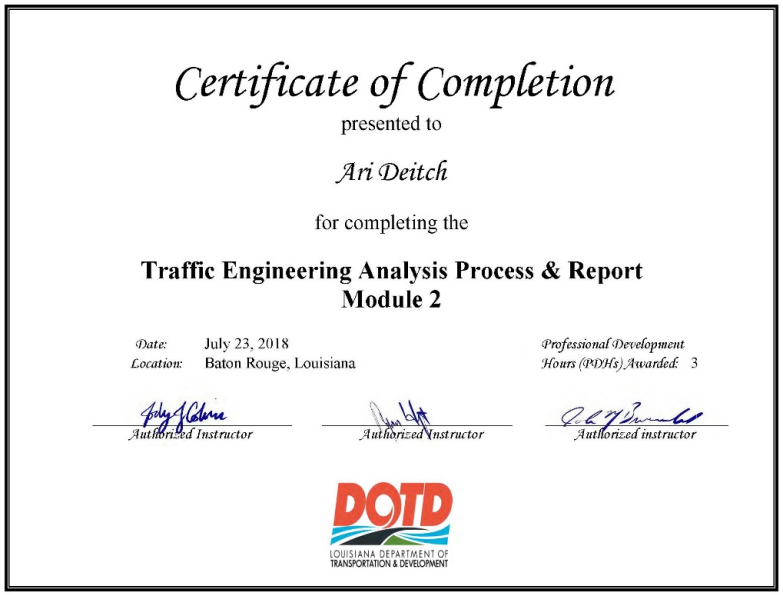
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDH's) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ari Deitch

for completing the

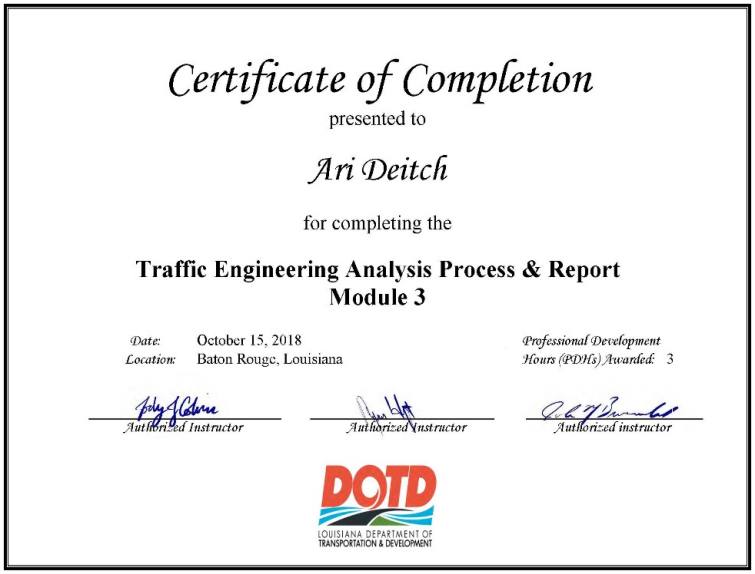
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDH's) 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 (PDH's) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4346 issued in Washington, DC, USA

11/20/17

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC

Michael K. Park
Chair

Jeffrey F. Paniati
Executive Director

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:

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE

Certificate of Training

ARI DEITCH

has participated in

FHWA-NHI-133121 Traffic Signal Design and Operation

hosted by

LA DOTD/LTRC

Date: *August 16-17, 2017*

Location: *Baton Rouge, LA*

Hours of Instruction: 11

Instructor

Instructor

Allison H. Landry
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

20. Certifications/Licenses:

Transportation Professional Certification Board Inc.

certifies that

Kester Berk Hollier

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

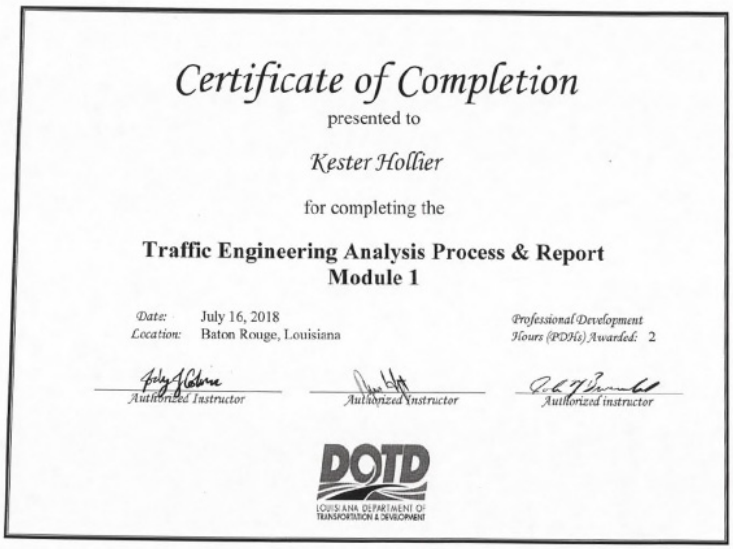
unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3928 issued in Washington, D.C., U.S.A.
November 18, 2015

Kenneth W Ackert
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

20. Certifications/Licenses:



Certificate of Completion

presented to

Kester Hollier

for completing the

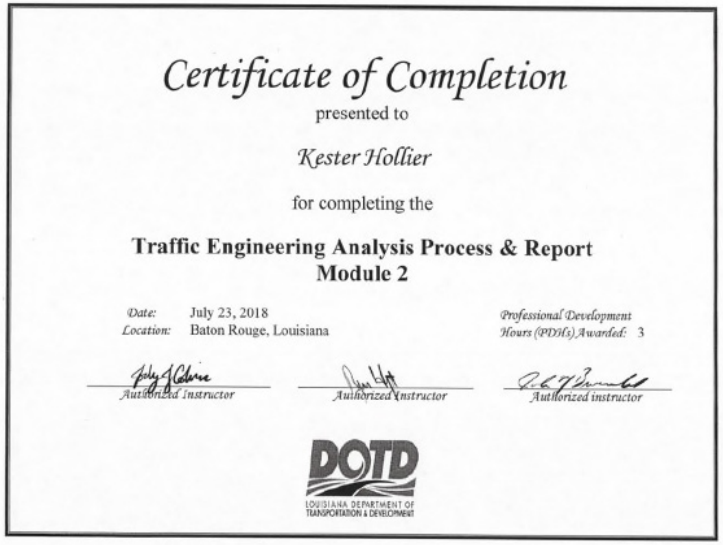
Traffic Engineering Analysis Process & Report
Module 1

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

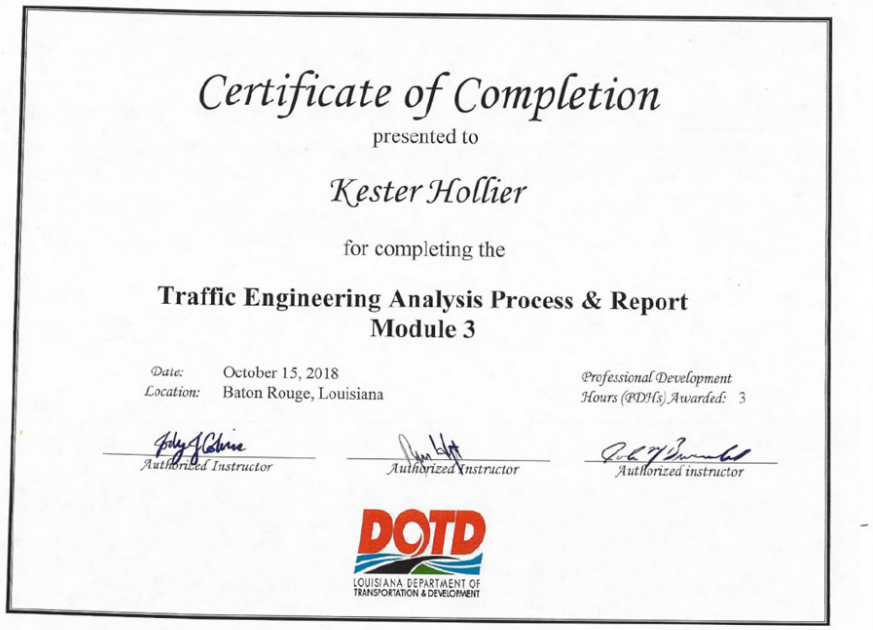
Traffic Engineering Analysis Process & Report
Module 2

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

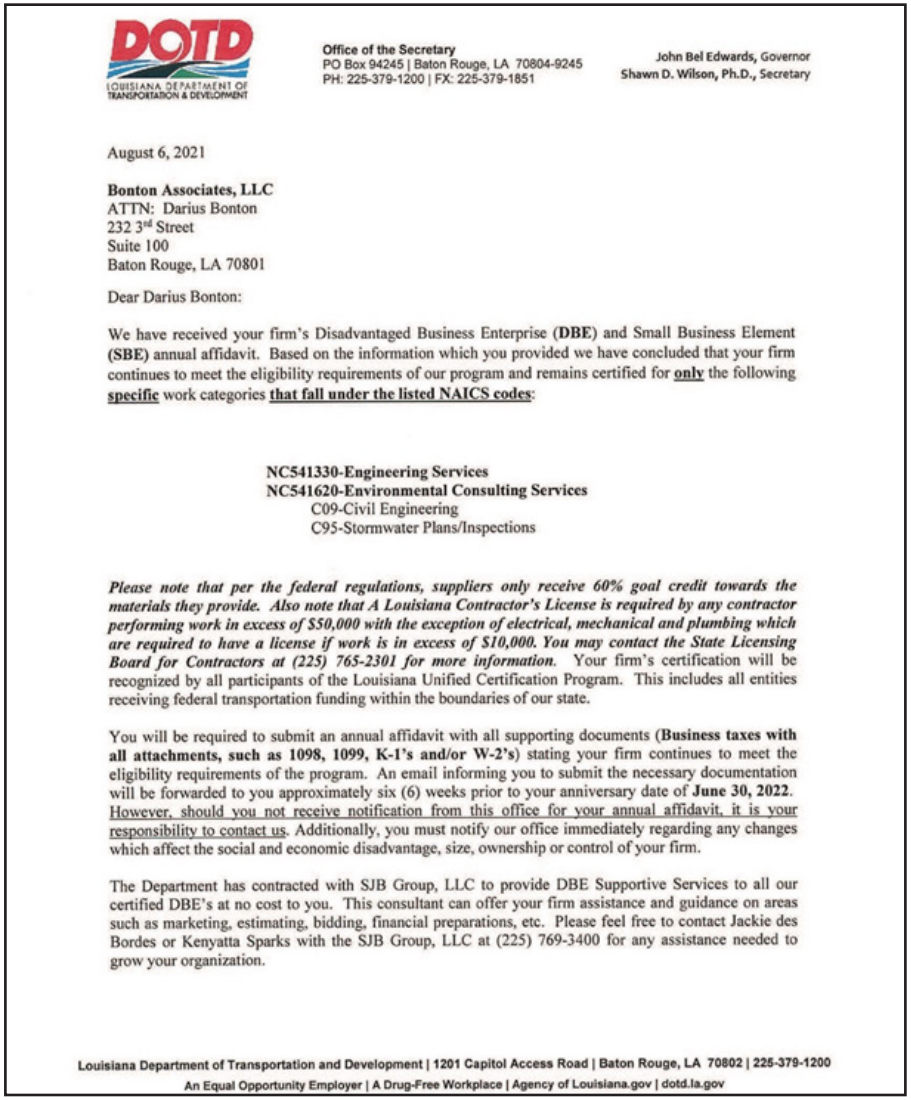
Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

20. Certifications/Licenses:



DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
PH: 225-379-1200 | FX: 225-379-1851

John Bel Edwards, Governor
Shawn D. Wilson, Ph.D., Secretary

August 6, 2021

Bonton Associates, LLC
ATTN: Darius Bonton
232 3rd Street
Suite 100
Baton Rouge, LA 70801

Dear Darius Bonton:

We have received your firm's Disadvantaged Business Enterprise **(DBE)** and Small Business Element **(SBE)** annual affidavit. Based on the information which you provided we have concluded that your firm continues to meet the eligibility requirements of our program and remains certified for **only** the following **specific** work categories **that fall under the listed NAICS codes**:

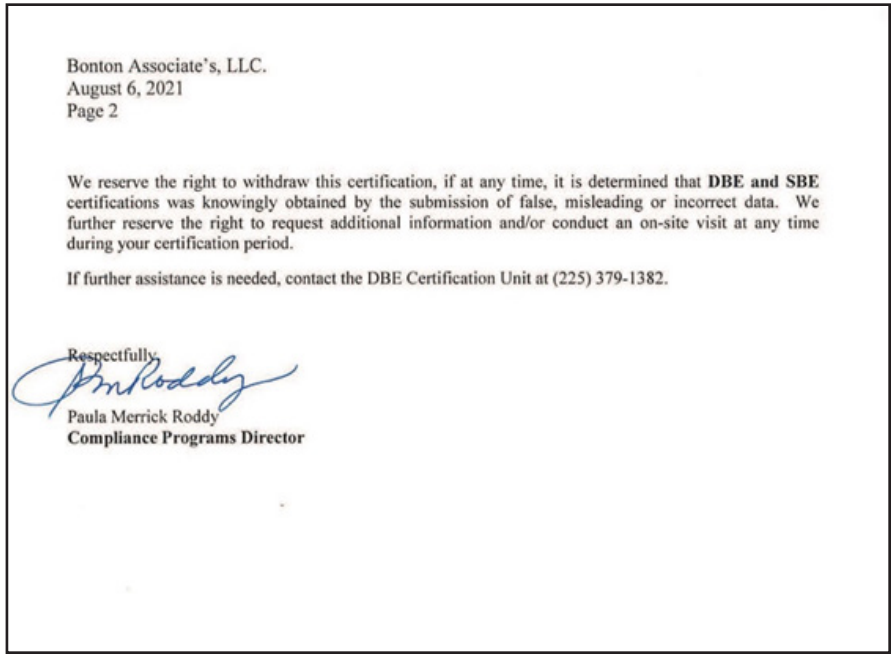
NC541330-Engineering Services
NC541620-Environmental Consulting Services
C09-Civil Engineering
C95-Stormwater Plans/Inspections

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also note that A Louisiana Contractor's License is required by any contractor performing work in excess of $50,000 with the exception of electrical, mechanical and plumbing which are required to have a license if work is in excess of $10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. Your firm's certification will be recognized by all participants of the Louisiana Unified Certification Program. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **June 30, 2022**. However, should you not receive notification from this office for your annual affidavit, it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes which affect the social and economic disadvantage, size, ownership or control of your firm.

The Department has contracted with SJB Group, LLC to provide DBE Supportive Services to all our certified DBE's at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Please feel free to contact Jackie des Bordes or Kenyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

Louisiana Department of Transportation and Development | 1201 Capitol Access Road | Baton Rouge, LA 70802 | 225-379-1200
An Equal Opportunity Employer | A Drug-Free Workplace | Agency of Louisiana.gov | dotd.la.gov



Bonton Associate's, LLC.
August 6, 2021
Page 2

We reserve the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading or incorrect data. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

If further assistance is needed, contact the DBE Certification Unit at (225) 379-1382.

Respectfully,

Paula Merrick Roddy
Compliance Programs Director

20. Certifications/Licenses:

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Bonton Associates, LLC.

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

NC541330, NC541620

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

Certificate Eligibility: June 2021 to June 2022

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

Paula Merrick Roddy, Compliance Programs Director

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. Darius Da'Mone Bonton

License/Certificate Type - Number: PE.0034696
Expiration Date: 09/30/2023
Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LAR. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

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

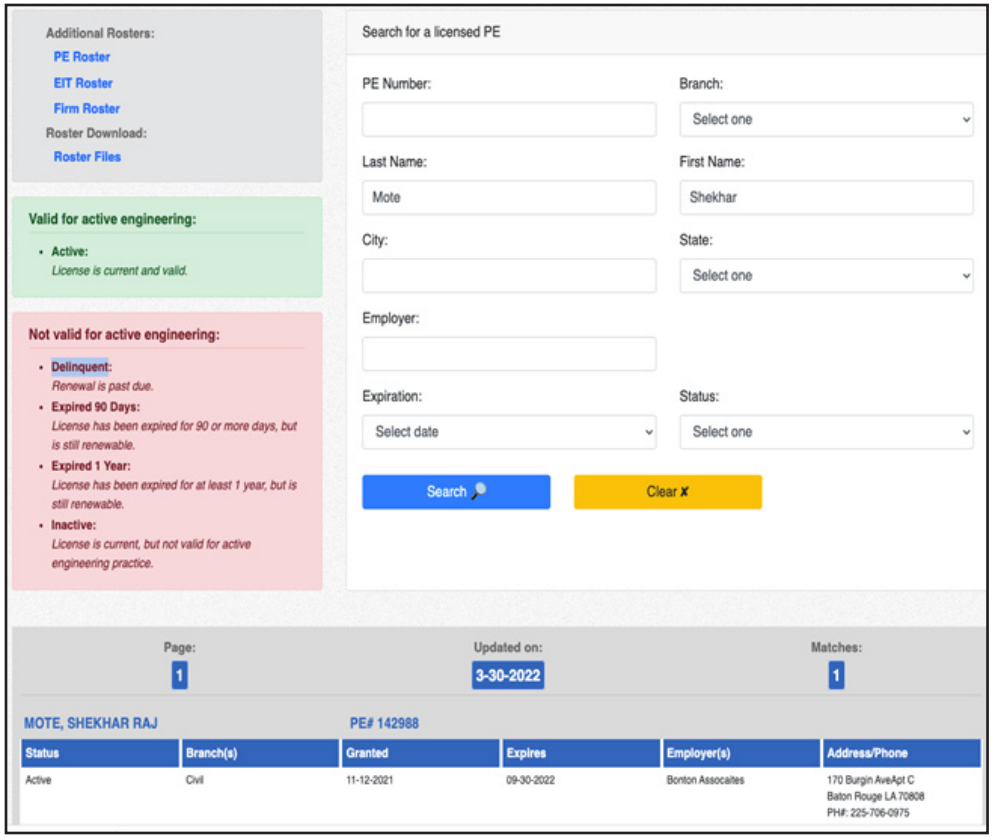
Mr. Charles Richard Caballero

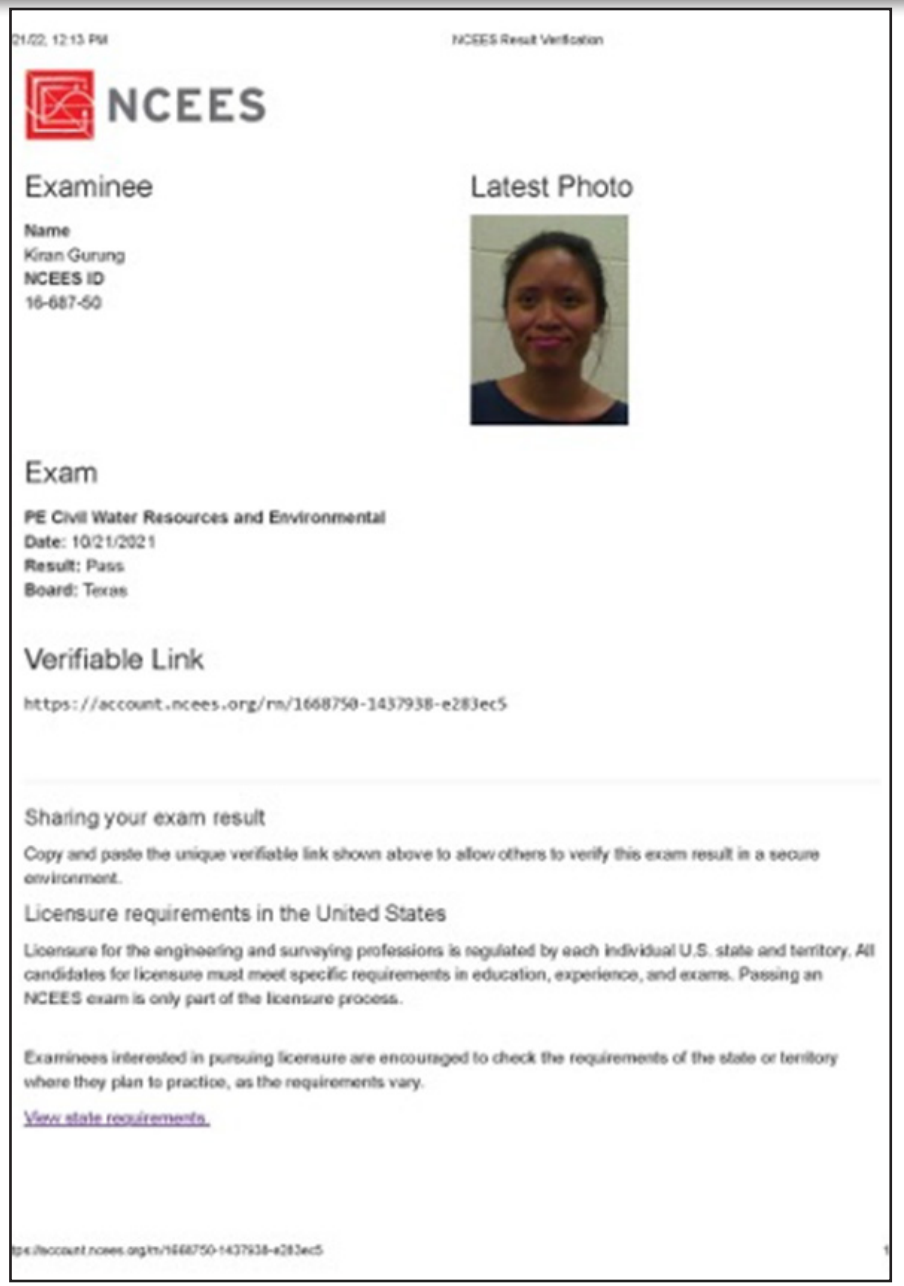
License/Certificate Type - Number: PE.0045526
Expiration Date: 09/30/2023
Status: Active

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LAR. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

20. Certifications/Licenses:





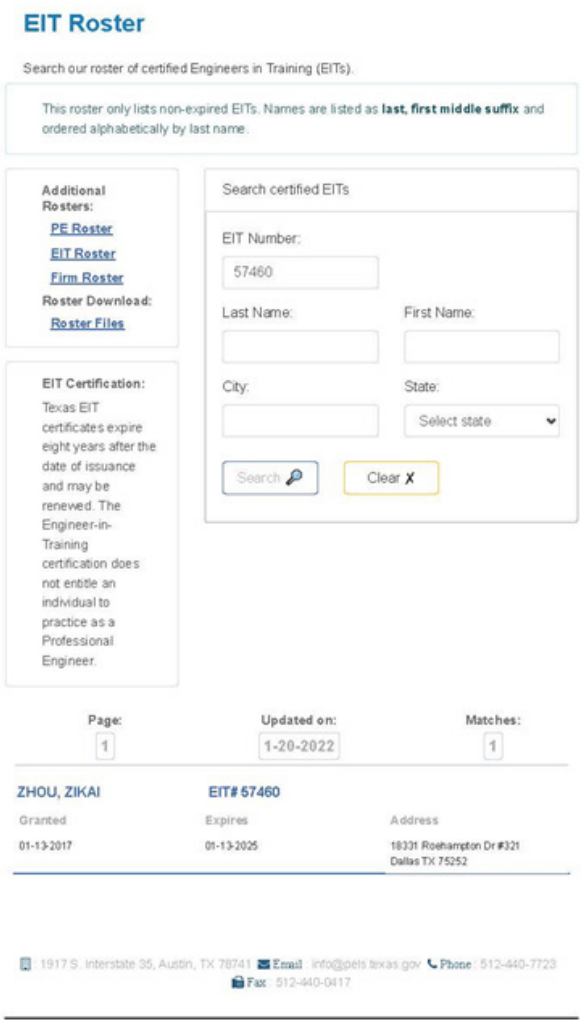
20. Certifications/Licenses:

Mr. Rabin Gautam

License/Certificate Type - Number: EI.0034816

Expiration Date: 09/30/2023

Status: Active



EIT Roster

Search our roster of certified Engineers in Training (EITs).

This roster only lists non-expired EITs. Names are listed as **last, first middle suffix** and ordered alphabetically by last name.

Additional Rosters:
PE Roster
EIT Roster
Firm Roster

Roster Download:
Roster Files

EIT Certification:
Texas EIT certificates expire eight years after the date of issuance and may be renewed. The Engineer-in-Training certification does not entitle an individual to practice as a Professional Engineer.

Search certified EITs

EIT Number: 57460

Last Name: First Name:

City: State: Select state

Search Clear

Page: 1 Updated on: 1-20-2022 Matches: 1

ZHOU, ZIKAI EIT# 57460

Granted	Expires	Address
01-13-2017	01-13-2025	18331 Roehampton Dr #321 Dallas TX 75252

1917 S. Interstate 35, Austin, TX 78741 Email: info@pels.texas.gov Phone: 512-440-7723 Fax: 512-440-0417

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
Arcadis	10352 Plaza Americana Drive Baton Rouge, LA 70816	Akhil Chauhan, PE, PTOE, PTP, PMP akhil.chauhan@arcadis.com	225.368.6563
Bonton Associates	232 Third Street, Suite 100, Baton Rouge, LA 70801	Darius Bonton darius@bontonassociates.com	225.706.0975
Fugro USA Land, Inc.	4233 Rhoda Dr, Baton Rouge, LA 70816	Jack Koban, PhD, PE, PG jkoban@fugro.com	225.292.5084

23. Location:

Stanley Consultants INC.

www.stanleyconsultants.com

VISUALIZATION - POTENTIAL ROUNDABOUT @ SULLIVAN ROAD

VISUALIZATION - POTENTIAL ROUNDABOUT @ GREENWELL SPRINGS ROAD