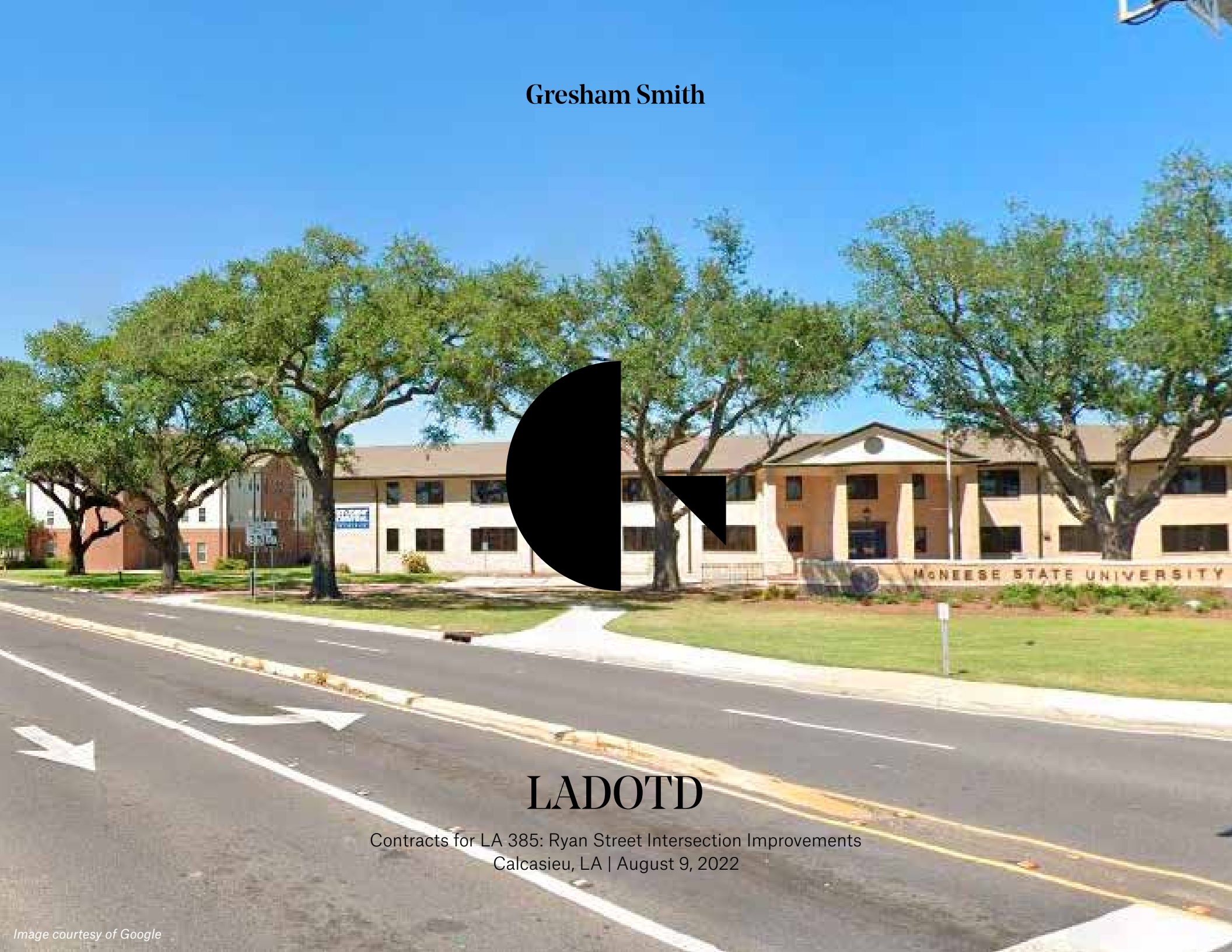
Gresham Smith



LADOTD

Contracts for LA 385: Ryan Street Intersection Improvements
Calcasieu, LA | August 9, 2022

Image courtesy of Google

Genuine Ingenuity

10000 Perkins Rowe
Suite 280
Baton Rouge, LA 70810

225.757.5849
GreshamSmith.com

August 9, 2022

Mr. Michael Gorbaty
Consultant Contract Services Administrator
Department of Transportation and Development
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

RE: Advertisement for Engineering and Related Services Contract for LA 385: Ryan Street Intersection Improvements
Contract Number. 4400024461
State Project No. H.012685
F.A.P. No. H012685

At Gresham Smith, we have been honored to partner with LADOTD and numerous public agencies on a variety of projects. From our Baton Rouge office, and also at the corporate level, we share in the stake that the LADOTD holds in carrying out its responsibilities in the most effective manner possible. Our key local staff all have experience successfully completing road, bridge, complete street, and traffic projects individually for LADOTD and we look forward to the opportunity to partner with LADOTD to provide roadway and signal design services under this contract.

For the past 55 years Gresham Smith has partnered with our Transportation clients as a trusted advisor to help them deliver their transportation programs, Our local office is supported by key staff and national experts in our other 25 offices throughout the southeastern US. We deliver an unparalleled diversity and depth of RESOURCES rivaling those of much larger national firms, but we retain the dedicated, personalized service and RESPONSIVENESS of a local firm. Gresham Smith looks forward to continuing our great working relationship with DOTD staff on this project.

We have compiled a great team to successfully deliver the LA 385 (Ryan Street) Intersection Improvement project. Gresham Smith will lead the roadway efforts, which are very similar to the work we are currently performing for the LADOTD Safety Section on the Local Roadway Safety Program/Safe Routes to Public Places IDIQ for which we have completed over 30 task orders. The traffic work will be led by Intelligent Transportation Systems, LLC and supported by Gresham Smith. This will include updating the traffic study and traffic signal design which includes an adaptive signal system. ITS and Gresham Smith are both experienced designing and implementing adaptive traffic signal systems in Louisiana. Two DBE firms will support the team as well, Civil Design and Construction will perform any necessary surveying around

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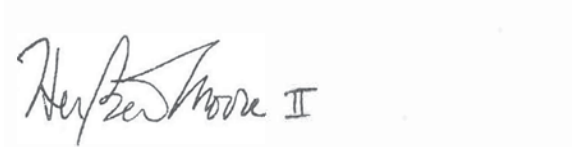
the intersections and Grey Engineering will provide ADA compliance experience in the design phase. The following key staff members will be leading the effort on these projects and have their career foundation with DOTD.

- Richard Savoie, PE, Project Manager, Brennon Hughes, PE, Deputy Project Manager and Lead Design Engineer, and Ronnie Robinson, PE have completed numerous similar projects through over 30 task orders over the past eight years for the LADOTD Safety Section through the LRSP/SRTPPP retainer contracts. The majority of these projects include intersection improvements, ADA ramps and crosswalks and sidewalk design.
- Herbert "Bert" Moore II, P.E., PLS, PTOE, Project Executive and Gresham Smith's Louisiana Transportation Leader, Rebecca Murray, PE, PTOE, RSP1, and the ITS, LLC staff of Jonathan Fox, PE, PTOE, and Kimberly McDaniel, PE, PTOE, are all experienced with the LADOTD Traffic Engineering Process and Report and have completed numerous studies and designs for LADOTD included the only Adaptive Traffic Signals Systems in Louisiana located in Lake Charles and Lafayette.
- April Renard, PE, PTOE, RSP2 of Grey Engineering will provide ADA and complete streets expertise. Ms. Renard led the Complete Streets Policy implementation activities for Louisiana, serving as the Chairperson for the Louisiana Complete Streets Advisory Council and represented the State of Louisiana on the AASHTO Task Force for the Second Edition of the Highway Safety Manual.

The Gresham Smith team is eager, enthusiastic and available to start work immediately on this project. We respectfully ask for your consideration and appreciate the opportunity to present this proposal. Please feel free to contact me with any questions at 225.282.2101 or by email at bert.moore@greshamsmith.com or our proposed project manager, Richard Savoie at 225.960.5483 or by email at richard.savoie@greshamsmith.com.

By way of this letter, we also acknowledge receipt of Addendum #1 (July 15, 2022) and Addendum #2 (July 29, 2022)

Sincerely,



Herbert "Bert" Moore II, P.E., PLS, PTOE
State Transportation Leader - Louisiana

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DOTD FORM: 24-102

(Revised June 1, 2021)

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	Contract for LA 385: Ryan Street Intersection Improvements
2. Contract number(s) as shown in the advertisement	4400024461
3. State Project Number(s), if shown in the advertisement	H.012685
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Gresham Smith
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.0003429 DUNS number: 059153676
6. Prime consultant mailing address	10000 Perkins Rowe, Suite 280, Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	10000 Perkins Rowe, Suite 280, Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Richard Savoie, P.E., Senior Roadway Engineer 225.960.5483 / richard.savoie@greshamsmith.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Herbert "Bert" Moore, II, P.E., PLS, PTOE State Transportation Leader - Louisiana 225.757.5849 / bert.moore@greshamsmith.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):

Date: August 9, 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): Grey Engineering, LLC — Firm(s)' %: 2%
Civil Design & Construction — 0% (if needed)

12. Past Performance Evaluation Discipline Table:

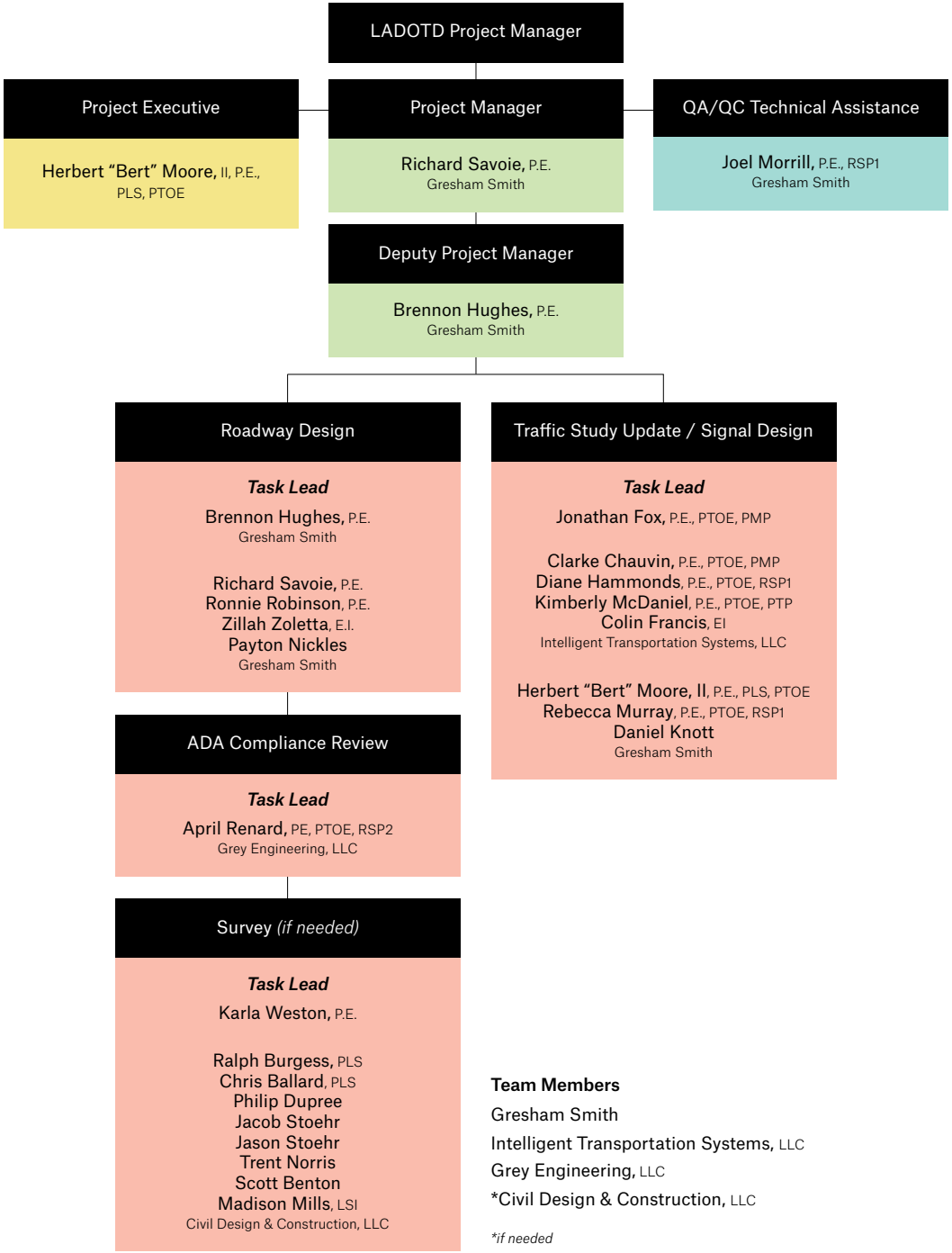
Past Performance Rating Categories	% of Overall Contract	Gresham Smith (Prime)	Intelligent Transportation Systems, LLC (Sub)	Grey Engineering, LLC (DBE Sub)	Civil Design & Construction (DBE Sub)
Roadway	66%	98%	0%	2%	0%
Traffic	34%	10%	88%	2%	0%
Surveying* (if needed)	0%	0%	0%	0%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	**100%**	**68%**	**30%**	**2%**	**0%**

** We anticipate that some surveying will be necessary at the intersections where the traffic signals will be replaced and at locations where new sidewalk will tie into existing sidewalks. Should surveying be necessary, as per the contract it will be performed by a contract amendment with a supplement to the fee.*

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)
Gresham Smith	Principal	1	2
Gresham Smith	Supervisor-Engineer	2	12
Gresham Smith	Supervisor-Other	1	5
Gresham Smith	Engineer	2	14
Gresham Smith	Engineer-Other	1	4
Gresham Smith	Planner	1	3
Gresham Smith	Engineer Intern	2	8
Gresham Smith	Senior Technician	2	3
Gresham Smith	GIS Analyst	0	1
Gresham Smith	CADD-Operator	0	2
Gresham Smith	Clerical	1	1
Intelligent Transportation Systems, LLC	Principal	2	2
Intelligent Transportation Systems, LLC	Supervisor Engineer	2	2
Intelligent Transportation Systems, LLC	Engineer	1	2
Intelligent Transportation Systems, LLC	Engineer Intern	1	1
Intelligent Transportation Systems, LLC	Technician	1	6
Intelligent Transportation Systems, LLC	Other	0	2
Grey Engineering, LLC	Principal	1	1
Civil Design & Construction, Inc.	Supervisor Engineer	1	1
Civil Design & Construction, Inc.	Engineer Intern	1	1
Civil Design & Construction, Inc.	Surveyor	2	2
Civil Design & Construction, Inc.	Party Chief	3	5
Civil Design & Construction, Inc.	Instrument Man	2	3
Civil Design & Construction, Inc.	Rodman	2	2
Civil Design & Construction, Inc.	CADD Operator	1	1
Civil Design & Construction, Inc.	Senior Technician	3	5
Civil Design & Construction, Inc.	Supervisor - Other	1	1

14. Organizational Chart:



15. Minimum Personnel Requirements:

MPR (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 required	State of license	License / certification expiration date
1.	Herbert "Bert" Moore, II, P.E., PLS, PTOE	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 31065 Exp. 9/30/2022
			PLS	Louisiana	PLS LA 5043 Exp. 9/30/2022
			PTOE	International	PTOE 2728 Exp. 9/30/2024
2.	Herbert "Bert" Moore, II, P.E., PLS, PTOE	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 31065 Exp. 9/30/2022
			PLS	Louisiana	PLS LA 5043 Exp. 9/30/2022
			PTOE	International	PTOE 2728 Exp. 9/30/2024
3.	Richard Savoie, P.E.	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 20936 Exp. 9/30/2022
	Ronnie Robinson, P.E.	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 24040 Exp. 3/31/2024
	Brennon Hughes, P.E.	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 39985 Exp. 3/31/2024
4.	Herbert "Bert" Moore, II, P.E., PLS, PTOE	Gresham Smith	P.E. (Civil)	Louisiana	P.E., LA 31065 Exp. 9/30/2022
			PLS	Louisiana	PLS LA 5043 Exp. 9/30/2022
			PTOE	International	PTOE 2728 Exp. 9/30/2024
	Jonathan Fox, P.E., PTOE, PMP	ITS, LLC	P.E. (Civil)	Louisiana	P.E., LA 33277 Exp. 9/30/2023
			PTOE	International	PTOE 2329 Exp. 11/7/2022
	Clarke Chauvin, P.E., PTOE	ITS, LLC	P.E. (Civil)	Louisiana	P.E., LA 41770 Exp. 9/30/2023
			PTOE	International	PTOE 4337 Exp. 11/20/2023
			IMSA Level II	IMSA	IMSA BE_125780 Exp. 9/18/2022

	Diane Hammonds, P.E., PTOE, RSP1	ITS, LLC	P.E. (Civil) PTOE RSP1	Louisiana International Louisiana	P.E., LA 40749 Exp. 9/30/2022 PTOE 7113 Exp. 12/19/2022 RSP1 798 Exp. 3/14/2025
5.	Daniel Knott Clarke Chauvin, P.E., PTOE	Gresham Smith ITS, LLC	IMSA Level II P.E. (Civil) PTOE IMSA Level II	IMSA Louisiana International IMSA	IMSA BE_60319 Exp. 9/29/24 P.E., LA 41770 Exp. 9/30/2023 PTOE 4337 Exp. 11/20/2023 IMSA BE_125780 Exp. 9/18/2022

16. Staff Experience:

Gresham Smith

Herbert "Bert" Moore, II, P.E., PLS, PTOE

Project Executive

Years of experience with this firm/employer	7
Years of experience with other firm(s)/employer(s)	16

	Bachelor of Science / 1999 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	P.E.0031065 / LA / Exp. 9/30/22 | PTOE 2728 / Exp. 9/30/24 | PLS 5043 / LA / Exp. 9/30/22		
Year registered	2004(PE); 2009(PTOE); 2010(PLS)	**Discipline**	P.E./Civil, PLS, PTOE
Contract role(s) / brief description of responsibilities	Project Executive / Bert will provide overall contract management and direction for our team, and support the team with traffic-related tasks as 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).**
Career	Bert is a professional engineer with more than 23 years of experience designing and managing projects in the fields of traffic and transportation engineering. He previously spent six years as the district traffic operations engineer for LADOTD where he was responsible for the daily maintenance and operation of signs, striping and traffic equipment for 2,000 miles of roadway and over 600 traffic signals in the Department's Baton Rouge district. His experience is in traffic operations, traffic control, signal warrants, traffic signal timing and design, safety studies, the implementation of access management principles, temporary traffic control for work zones, Transportation Management Plans (TMP), and addressing bicycle and pedestrian needs within the roadway network. Bert has completed the LADOTD Traffic Engineering Process and Report Training.
10/28 – Ongoing	**LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA | *Project Executive*.** Gresham Smith was selected to develop an Adaptive Traffic Signal network for the Lafayette Consolidated Government, which involved upgrading 190 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of 190 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel studies. Bert was responsible for quality assurance and verifying the technical adequacy of the plans.
05/17 – 03/19	**LADOTD, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study, Lake Charles, LA | *Project Executive.*** Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. The project included data collection, development of growth rates, lead the Road Safety Assessment, developing and calibrating an existing VISSIM model and evaluation of the proposed alternative. Bert was responsible for the overall study, overseeing data collection, conducting safety analysis, development of VISSIM models, development of alternatives and the report.
02/16 – 06/20	**LADOTD, SRTS/LRSP Task Order 2: McMillan Road Intersection Traffic Study, West Monroe, LA | *Project Manager*.** Bert utilized his knowledge of LADOTD's traffic signal program to identify areas for improvement in the local roadway network and to work with local officials and LADOTD Maintenance staff to identify the most appropriate intersection improvements to meet the project needs.

2/17 – Ongoing	**LADOTD, SRTS/LRSP Task Order 6 & 21: Endom Bridge, West Monroe, LA | *Project Executive.*** Bert is responsible for overseeing the data collection, analyzing the traffic counts to determine appropriate lane configuration and geometry, and support and coordination of overall design.
05/18 – 12/21	**LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | *Project Executive.*** Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Crash reports were reviewed and evaluated using the LADOTD safety triage and the safety toolbox. Traffic analyses were performed using mainly HCS and Synchro and other software tools as needed. Gresham Smith reviewed historic traffic volumes counts and TransCAD models and performed an extensive count analysis to develop regional growth rates for the study area. Bert was the supervising professional who was responsible for the traffic and safety portions of the study.
8/17 – 2/19	**LADOTD, SRTS/LRSP Task Orders 9 & 14: Farmerville Sidewalks Report and Design, Farmerville, LA | *Project Executive.*** Bert was responsible for support and coordination of design report and QA/QC.
9/17 – 11/17	**LADOTD, SRTS/LRSP Task Order 8: Design Reports for LR West Feliciana Striping, West Feliciana, LA | *Project Executive.*** Bert was responsible for support and coordination of design report and QA/QC.
02/16 – 06/20	**LADOTD, SRTS/LRSP Task Order 1: Vidalia Traffic Study, Vidalia, LA | *Project Manager*.** Bert worked closely with the local municipality and all stake holders to determine all critical project issues and to develop solutions that could be implemented in a cost-effective project to improve safety and traffic flow.
10/17 – 5/19	**LADOTD, SRTS/LRSP Task Orders 5 & 11: Ouachita Schools Report and Design, Ouachita Parish, LA | *Project Executive.*** Bert was responsible for support and coordination and QA/QC of project report and the design plans.
12/17 – 2/18	**LADOTD, SRTS/LRSP Task Order 10: Design Reports for Foster/Greenwell Springs Road Diets and Sidewalks, Baton Rouge, LA | *Project Executive.*** Bert was responsible for support and coordination of design report and QA/QC.
7/18 – 8/18	**LADOTD, SRTS/LRSP Task Order 15: Denham Springs Project Report, Denham Springs, LA | *Project Executive.*** Bert was responsible for support and coordination of project report and QA/QC.
9/18 – Ongoing	**LADOTD, SRTS/LRSP Task Order 16: Tangipohoa Striping Design, Tangipohoa Parish, LA | *Project Executive.*** Bert is responsible for support and coordination of overall design and QA/QC. Bert will also assist by providing his traffic engineering experience for the signing and striping of the road and pedestrian facilities.
02/16 – 06/20	**LADOTD, SRTS/LRSP Task Order: Constitution Drive Traffic Study, West Monroe, LA | *Project Executive*.** Bert was responsible for leading the traffic study. Bert oversaw the data collection and peak hour field observations, analyzed the traffic data, reviewed crash reports, development of recommended improvements and the report. Also led meetings with the mayor to discuss recommendations outlined within the traffic study.
03/16 – 10/17	**LADOTD, Farmerville State and Local Road Traffic Study, Farmerville, LA | *Project Executive.*** Gresham Smith was selected to perform a formal traffic study of all the intersections (57) within and around Farmerville. The project included data collection, crash review, development of growth rates, developing alternatives, analysis of existing and proposed conditions and benefit/cost analysis. Bert was responsible for the overall study and led meetings with local officials and agencies.
Certifications (See section 20)	• DOTD Traffic Engineering Process & Report – Modules 1, 2 and 3 • U.S. Department of Transportation Federal Highway Administration – DPFA Certification • LADOTD – Highway Safety Manual Workshop NCHRP 17-38 • Louisiana Local Technical Assistance Program – Regional Crash Data Workshop • American Traffic Safety Services Association –Traffic Control Supervisor, LA State Specific

16. Staff Experience:

Gresham Smith

Richard Savoie, P.E.

Project Manager

Years of experience with this firm/employer	4
Years of experience with other firm(s)/employer(s)	40

Degree(s) / Years / Specialization	Bachelor of Science / 1978 / Civil Engineering, McNeese State University		
Active registration number / state / expiration date	P.E.0020936 / LA / 9/30/22		
Year registered	1983 (LA)	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Project Manager / Richard will serve as project manager, coordinate with the subconsultants and QC on all deliverables.		

09/18 – 12/19	**LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Union Parish, Farmerville, LA | *Senior Engineer.*** Richard provided quality control review for the Final Plan submission for this Safe Routes to Public Places Project. The review was to ensure that the plans were developed in accordance with standard DOTD policy and procedure. Plans included installation of sidewalks along various local roadways, driveway adjustments to ensure ADA compliance and utility relocation avoidance.
09/18 –Ongoing	**LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA | *Senior Engineer.*** The project consisted of roadway realignment at the bridge approach to improve roadway geometry and safety. Right-of-way is being acquired at one quadrant of the intersection and Richard is assisting with the coordination between the right-of-way plans and the roadway requirements. Richard performed Quality Control reviews on the final preliminary design submission and is overseeing Quality Control on the final design process.
09/18 – 01/20	**LADOTD, SRTS/LRSP Task Order 18: Denham Springs Striping Design, Livingston Parish, LA | *Senior Engineer.*** This project includes the site evaluation of 9 local roadways with the highest accident rate history in the City of Denham Springs. Gresham Smith performed ball bank evaluations for every curve on the 9 routes and evaluated driveway locations, intersection geometry and signing issues. Richard was responsible for overall Quality Control on the project. He mentored the engineering staff on the field evaluation requirements, reviewed all potential improvements, and performed QC review on the preliminary and final design plan submissions.
10/18 – 05/21	**LADOTD, SRTS/LRSP Task Order 16: Tangipahoa Striping Design, Tangipahoa Parish, LA | *Senior Engineer.*** This project includes the site evaluation of 39 state and local roadways with the highest accident rate history in the Parish. Gresham Smith performed ball bank evaluations for every curve on the 39 routes. Richard was responsible for overall Quality Control on the project. He mentored the engineering staff on the field evaluation requirements, reviewed all potential improvements, and performed QC review on the preliminary and final design plan submissions.

09/18 – 06/19	**Parish of Ascension, SRTPP/LRSP Applications | *Project Manager.*** The Parish of Ascension selected Gresham Smith to review their capital plan, investigate the accident rates and safety history of the locally maintained roadways, and to develop a proposed plan, and to submit applications to LADOTD for Safe Routes to Schools and Public Places and Local Road Safety Plans to acquire construction funding. Richard coordinated with the Parish officials and LTAP personnel on the submission requirements for the funding applications and ensured that all Parish and state guidelines and requirements were adhered to for the application process.
06/21 – Ongoing	**EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA | *Project Manager.*** Gresham Smith was selected to perform the corridor enhancement of Plank Road between Dawson Drive to Harding Boulevard. This project will include a topographic survey, a design study for bicycle and pedestrian facilities, improved drainage, transit facilities, new traffic signals and street lighting. The Design Study has been completed and we are working on Final Design. The project will result in a revitalized corridor with improvements for all users. Richard is managing the project on a day-to-day basis and leading the coordination with our sub-consultants.
04/20 – Ongoing	**City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Senior Engineer.*** Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Richard is responsible for overall Quality Control on the project. He is mentoring the engineering staff on the field evaluation requirements, reviewing all potential improvements, and will perform QC reviews on the preliminary and final design plan submissions.
03/21 – Ongoing	**MSY, Task 4: Entrance Road Capacity, Kenner, LA | *Senior Engineer*.** Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY. Richard performed Quality Control reviews on the final preliminary design submission and is overseeing Quality Control on the final design process.
02/90 – 03/14	**LADOTD, Project and Program Delivery.** Richard was the PM for the I-49 North project in Caddo Parish, from I-220 to the Arkansas State Line. The project started with the Corridor Selection Study and progressed to the Environmental Impact Study. Once the alignment was selected plan development began and thence project delivery for this $670 million project. As the Deputy Chief and Chief Engineer, he met with program managers in the Engineering Division and approved and recommended changes to their budget partitions and project schedules. Worked with District Administrators to exchange mileage with local entities when new roadways were being added to the department's roadway mileage. Was the Engineering Division's voting member on the LADOTD's Project Delivery Steering committee responsible for the department's different programs budget partition approval and overall project delivery. Richard was the LADOTD's 1st Value Engineering Director beginning in 1998 when the department was recognized by FHWA with the "Big Kahuna Award" for an outstanding program.
05/80 – 02/06	**LADOTD, Road Design | *Design Engineer/Project Manager*.** Richard spent 26 of his 34-year LADOTD career in Road Design. Starting as an EIT 1 progressing to Asst. Road Design Engineer responsible for project management of roadway design by staff and design consultants preparing roadway plans and developing roadway design projects.
Career	Richard's 40+-year career includes 34 years with LADOTD in increasing roles culminating as the LADOTD Chief Engineer. As Chief Engineer, Richard was responsible for establishing engineering directives and standards, policies, budgets, expenditures, programs and procedures that guided project and program delivery, construction, and preservation of all transportation-related projects and systems.

16. Staff Experience:

Gresham Smith

Brennon Hughes, P.E.
Lead Roadway Design Engineer

Years of experience with this firm/employer	5
Years of experience with other firm(s)/employer(s)	6.5

Degree(s) / Years / Specialization	Bachelor of Science / 2011 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	P.E.0039985 / LA / 3/31/24		
Year registered	2015	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Lead Roadway / Design Engineer / Brennon will lead the development of the roadway plans and development of bid packages.		

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).**
04/18 – 12/19	**LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Farmerville, LA | *Lead Roadway Design Engineer.*** Brennon was responsible for leading the design and the preparation of preliminary and final plans and cost estimates. Brennon led the plan-in-hand meeting with local officials for the preliminary design review and served as engineer-of-record for the design development.
08/17 – Ongoing	**LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA | *Lead Roadway Design Engineer.*** Brennon led the design and the preparation of preliminary and final plans and cost estimates. This project involves safety and operations improvements for the intersection realignment, curb and gutter drainage design, sidewalks, and turnouts. The project is currently under construction.
09/17 – 06/19	**LADOTD, SRTS/LRSP Task Order 7: McMillan Street at Blanchard Street Design, West Monroe, LA | *Lead Roadway Design Engineer.*** This was a striping and intersection improvement project in West Monroe, LA. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates. The scope included the design and installation of an ADA ramp and a new crosswalk for pedestrian safety.
11/19 – Ongoing	**LADOTD, SRTS/LRSP Task Order 22: Local Road Safety Upgrades (West Feliciana) | *Lead Roadway Design Engineer.*** Brennon is responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He also led the design and the installation and preparation of preliminary and final plans which includes new signing, striping along 10 local routes within the parish and guardrail replacement at 12 bridge and cross drain locations along with cost estimates. The project is currently under construction.
11/17 – 06/19	**LADOTD, SRTS/LRSP Task Order 11: Ouachita Sidewalks, Monroe, LA | *Lead Roadway Design Engineer.*** This was a sidewalks and drainage with cross sections project in Ouachita Parish, Louisiana, to enhance pedestrian safety. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates.

07/18 – 01/20	**LADOTD, SRTS/LRSP Task Order 18: Denham Springs Striping Design, Livingston Parish, LA | *Lead Roadway Design Engineer*.** Brennon was responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He also led the design and the preparation of preliminary and final plans and cost estimates. Brennon led the plan-in-hand meeting with local officials for the preliminary design review and served as engineer-of-record for the design development.
10/18 – Ongoing	**LADOTD, SRTS/LRSP Task Order 16: Tangipahoa Striping Design, Tangipahoa Parish, LA | *Lead Roadway Design Engineer*.** Brennon is responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He is also leading the design and the preparation of preliminary and final plans and cost estimates. Brennon led the plan-in-hand meeting with local officials for the preliminary design review and served as the engineer of record for the design development. The project is currently under construction.
08/13 – 08/17	**LADOTD, LA 44 Turn Lanes, Ascension Parish, LA | *Lead Roadway Design Engineer.*** This was an intersection improvements project located at five separate intersections which Brennon designed during his time working in the LADOTD Road Design section. This project included the addition of turn lanes, access management, and improved turnout geometry at the intersections. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates.
06/21 – Ongoing	**EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA | *Lead Roadway Design Engineer*.** Gresham Smith was selected to perform the corridor enhancement of Plank Road between Dawson Drive to Harding Boulevard. This project will include a topographic survey, a design study for bicycle and pedestrian facilities, improved drainage, transit facilities, new traffic signals and street lighting. The Design Study has been completed and we are working on Final Design. The project will result in a revitalized corridor with improvements for all users.
04/20 – Ongoing	**City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Lead Roadway/Roundabout Design Engineer.*** Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Brennon is leading the design and the preparation of preliminary and final plans and cost estimates.
03/21 – Ongoing	**MSY, Task 4: Entrance Road Capacity, Kenner, LA | *Lead Roadway Design Engineer*.** Gresham Smith is currently providing design and project management for the City of New Orleans to widen the main exit road at Louis Armstrong New Orleans International Airport (MSY) from 2 lanes to 3 lanes. The project includes widening of approximately 1/4-mile of roadway, extending the roundabout slip lane exit from the roundabout and tying into the design-build flyover project currently under construction (S.P. H.011670). The completed widened road will connect the design-build freeway operated by LADOTD to the existing roundabout on the airport property, improving the flow of traffic from MSY.
Certifications (See section 20)	• DOTD FHWA-NHI-380096V Modern Roundabouts: Intersections Designed for Safety • American Traffic Safety Services Association –Traffic Control Supervisor, LA State Specific

16. Staff Experience:

Gresham Smith

Ronnie Robinson, P.E.

Senior Transportation Engineer

Years of experience with this firm/employer	6
Years of experience with other firm(s)/employer(s)	33

Degree(s) / Years / Specialization	Bachelor of Science / 1982 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	P.E.0024040 / LA / 3/31/24		
Year registered	1988	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Senior Transportation Engineer / Ronnie will assist with the road design tasks for the preliminary and final plans.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; ***i.e.***, **"designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
02/17 – 12/20	**LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA | *Senior Engineer.*** Ronnie's responsibilities include developing preliminary and final plans and construction cost estimates. His efforts included coordination of the contaminated waste investigation, drainage layout and quality control for the preliminary design.
07/17 – 06/19	**LADOTD, SRTS/LRSP Task Order 7: McMillan at Blanchard Design, West Monroe, LA | *Senior Engineer.*** Ronnie's responsibilities included conducting field traffic observations and collecting field data for the study portion. For the design portion, his responsibilities included developing conceptual designs, preliminary and final plans and construction cost estimates.
04/18 – 12/19	**LADOTD, SRTS/LRSP Task Order 14: Farmerville Sidewalks Design, Farmerville, LA | *Senior Engineer.*** Ronnie was responsible for coordination with State and Local officials on the location of the proposed improvements and developing the Project Report which includes defining project scope and preparing construction cost estimates to determine the feasibility of the project.
04/20 – Ongoing	**City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design | *Senior Transportation Engineer*.** Gresham Smith was tasked with the full roundabout design to be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Ronnie provided quality control for the preliminary design phase, participated in the plan-in-hand meeting, and will provide design assistance for the development of the final design plans.
11/19 – Ongoing	**LADOTD, SRTS/LRSP Task Order 22: Local Road Safety Upgrades, West Feliciana Parish, LA | *Senior Engineer.*** Ronnie is responsible for the development of the guardrail design (preliminary and final plans) for the 12 bridge and cross drain sites along 10 local routes within the parish.

12/16 – 06/19	**LADOTD, SRTS/LRSP Task Order 5 & 11: Ouachita Parish Schools Report and Design, Monroe, LA | *Senior Engineer.*** Ronnie's responsibilities included coordination with State and Local officials on the location of the proposed improvements, developing preliminary and final plans, and reviewing cost estimates. Ronnie provided quality control for the preliminary design phase, participated in the plan-in-hand meeting, and provided design assistance for the development of the final design plans.
02/17 – 11/17	**LADOTD, SRTS/LRSP Task Order 1: City of Vidalia – Traffic Study, Vidalia, LA | *Senior Engineer.*** Ronnie was responsible for providing construction cost estimates.
11/16 – 02/18	**LADOTD, SRTS/LRSP Task Order 4: Monroe Guardrail, Monroe, LA | *Senior Engineer.*** Ronnie's responsibilities included coordination with State and Local officials on the location of the proposed improvements, collecting field data, developing preliminary plans, final plans and construction cost estimates.
11/16 – 05/18	**LADOTD, SRTS/LRSP Task Order 3: Desiard Street Striping, Monroe, LA | *Senior Engineer.*** Ronnie's responsibilities included developing preliminary and final plans and construction cost estimates. He also served as the Project Engineer during the construction phase, responsible for quantities and payments, oversight of the inspectors and project control and closeout.
12/17 – 02/18	**LADOTD, SRTS/LRSP Task Order 10: N. Foster Drive to Greenwell Springs Road (Pedestrian Improvements), Baton Rouge, LA | *Senior Engineer.*** Ronnie was responsible for coordination with State and Local officials on the location of the proposed improvements and developing the Project Report which included defining project scope and preparing construction cost estimates to determine the feasibility of the project.
03/16 – 10/17	**LADOTD, Farmerville State and Local Road Traffic Study, Farmerville, LA | *Senior Engineer.*** Gresham Smith was selected to perform a formal traffic study of all the intersections (57) within and around the City of Farmerville on both state and local routes. The project included data collection, safety/crash review, developing alternatives, analysis of existing and proposed conditions and benefit/cost analysis. Ronnie assisted with the development of alternatives and was responsible for developing construction cost estimates for various alternatives.
Career	Ronnie has 33 years of experience with the Louisiana Department of Transportation and Development. He worked 11 of his 16 years in construction as a project engineer, eight years as manager of the design and permit sections and nine years as administrator for the design, water resources, permit and materials testing sections.

16. Staff Experience:

Gresham Smith

Joel Morrill, P.E., RSP1
Technical Advisor & QA/QC

Years of experience with this firm/employer	7
Years of experience with other firm(s)/employer(s)	20

Degree(s) / Years / Specialization	Bachelor of Science / 1994 / Civil Engineering, Union College		
Active registration number / state / expiration date	PE. 21234 / KY / 6/30/2024, 113174 / TN / 9/30/2022 | RSP1 422 / Exp. 3/26/23		
Year registered	2000 (KY) 2009 (TN) 2020 (RSP1)	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Joel will serve as Technical Advisor and QA/QC.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; ***i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
06/17 – Ongoing	**KYTC, Highway Safety Improvement Program (HSIP), Statewide, KY** | ***Project Manager****.* Joel is responsible for helping to manage the development of safety improvement alternatives to various intersections and corridors throughout the Commonwealth of Kentucky that are experiencing a higher-than-average number of injury crashes. Each project includes an inventory of existing site conditions, crash data collection and analysis, and development of improvement alternatives to help reduce crashes.
10/17 – Ongoing	**KYTC, KY 22, Performance-Based Practical Design, Owen County, KY | *Project Manager.*** Joel is responsible for managing the development of safety improvement alternatives to this 5-mile corridor. In addition to pavement deterioration, the corridor was experiencing roadway departure crashes, which were analyzed and considered in the proposed improvements.
11/13 – 06/15 With Another Firm	**Louisville Metro, US 31W (Dixie Highway), Louisville, KY | *Project Manager.*** Joel managed the design and plan development for this safety, mobility, multimodal, and access management improvement project along US 31W. This corridor experiences significantly more crashes than comparable roadways, particularly pedestrian crashes.
12/15 – Ongoing	**Louisville Metro, Rangeland Road, Louisville, KY | *Project Manager.*** Joel managed the development of construction plans, estimates, and technical specifications for safety, mobility, and multimodal improvements to this 1.25-mile urban roadway with two schools that was experiencing a high amount of crashes. Improvements included widening of the roadway, a new multi-use path, sidewalks, drainage, signal modifications, water quality treatment, utility relocations, and right-of-way acquisition.

16. Staff Experience:

Gresham Smith

Zillah Zoleta, E.I.

Engineer Intern

Years of experience with this employer	<1
Years of experience with other employer(s)	0

Degree(s) / Years / Specialization	Bachelor of Science / Civil Engineering / Louisiana State University		
Active registration number / state / expiration date	N/A		
Year registered	2022	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Engineer Intern / Zillah will support the Roadway team.		

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).**
05/21 – Ongoing	**MOVEBR, Nicholson Drive Segment 2 | *Engineer Intern.*** Gresham Smith is performing a traffic study for capacity improvements along Nicholson Drive in Baton Rouge, LA. The project includes data collection, safety analysis, and existing and future analysis. Zillah assisted the design engineer with the safety analysis by reviewing crashes and using spreadsheets to track crash trends. She also created collision diagrams using Microstation.
05/21 – Ongoing	**MOVEBR, Sherwood Forest Boulevard Multi-Use Path | *Engineer Intern*.** Gresham Smith is performing a traffic study for pedestrian improvements along Sherwood Forest Boulevard in Baton Rouge, LA. The project includes data collection, safety analysis, and existing and future analysis. Zillah assisted the design engineer with the safety analysis by reviewing crashes and using spreadsheets to track crash trends. She also created collision diagrams using Microstation.
05/21 – Ongoing	**LADOTD, FOMM-Lafayette/US 190/Alexandria | *Engineer Intern*.** In support of GIS services, Gresham Smith was selected by LADOTD to assist inputting field data into the ITS Field Asset Management System. Tasks include collecting data from LADOTD's fiber and communications system and field site equipment; recording data into the system; and mapping of the fiber system. Zillah has assisted on this project by inputting data into the NexusWorx system and performing QA/QC on the data collected in the field.
06/21– Ongoing	**LADOTD, Complex Bridge Inspections Task Orders 4, 5 and 6, Statewide, LA | *Engineer Intern*.** Zillah assisted in the development of the traffic control plans for various bridge inspection projects. The traffic control plans included single lane closures with alternating traffic with flaggers for projects in urbanized areas. Zillah worked closely with the bridge inspection team to develop the parameters for the lane closures to ensure that adequate protection was provided to the field inspection team while meeting requirements from LA DOTD's traffic control standards.

16. Staff Experience:

Gresham Smith

Payton Nickles

Professional

Years of experience with this employer	1
Years of experience with other employer(s)	0

Degree(s) / Years / Specialization	Bachelor of Science / 2021 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	Civil
Contract role(s) / brief description of responsibilities	Professional / Payton will support the roadway design and traffic teams.		

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).**
03/21 – Ongoing	**LADOTD, Complex Bridge Inspections Task Order 3, Statewide, LA	*Professional*.** Payton assisted in the development of the traffic control plans for various bridge inspection projects. The traffic control plans included single lane closures with alternating traffic with flaggers for projects in urbanized areas. Projects included the Charenton Truss Swing Bridge in St. Mary's Parish and the Jeanerette Truss Swing Bridge in Iberia Parish. Peyton worked closely with the bridge inspection team to develop the parameters for the lane closures to ensure that adequate protection was provided to the field inspection team while meeting requirements from LA DOTD's traffic control standards.
03/21 – 04/21	**Edinburg Regional Medical Center, Traffic Impact Analysis, Edinburg, TX	*Professional*.** Payton assisted in the development of the traffic impact letter by performing analysis and preparing figures to support the traffic impact analysis for roadway expansion associated with the buildout of a regional medical center. Payton worked under the supervision of the lead traffic engineer to develop roadway capacity analysis and documentation of existing conditions to support the proposed roadway build outs.
06/21 – Ongoing	**LADOTD, Present LADOTD, LRSP Task Order #1: Vernon and Sabine Signing & Striping, LA	*Professional.*** This project includes preliminary and final design for proposed signing and striping improvements throughout several routes within Sabine and Vernon Parish. Payton is responsible for preparing the line diagrams for each of the routes. She is also responsible for importing aerial images and developing intersection detail sheets.
06/21 – Ongoing	**EBR DTD, MovEBR-Plank Road Corridor Enhancement, Baton Rouge, LA	*Professional.*** This project is a design study along a portion of the Plank Road corridor between Dawson Drive and Harding Blvd. Payton's responsibilities include assisting the design engineer with the development of Typical Sections and Plan and Profile Sheets. She is also responsible for addressing general markups in MicroStation.

16. Staff Experience:

Gresham Smith

Rebecca Murray, P.E., PTOE, RSP1

Lead Traffic Engineer

Years of experience with this employer	6
Years of experience with other employer(s)	0

Degree(s) / Years / Specialization	Bachelor of Science / 2015 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	P.E.0043788 / LA / Exp. 3/31/24 | PTOE 4861 / Exp. 3/26/23 | RSP1 611 / Exp. 4/5/24		
Year registered	2019 (LA) 2020 (PTOE) 2021 (RSP1)	**Discipline**	P.E./Civil; PTOE; RSP1
Contract role(s) / brief description of responsibilities	Traffic Engineer / Rebecca will support the team with the traffic engineering study update and traffic signal plan development		

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 – 03/17	**LADOTD, SRTS/LRSP Task Order 2: McMillan Street Traffic Study, Monroe, LA | *Pre-Professional.*** Rebecca's role on the project was to review and analyze traffic count data, distribute trips throughout the study area, evaluate crash data and analyze proposed improvement alternatives.
05/21 – Ongoing	**MovEBR, Sherwood Forest Blvd MUP, C-P Project No. 20-EN-HC-0027, Baton Rouge, LA | *Engineer.*** Gresham Smith was selected to perform a traffic study and design of the pedestrian signal accommodations and crosswalks along Sherwood Forest Boulevard between South Harrell's Ferry Road and Old Hammond Highway in support of the Sherwood Forest Boulevard Multi-Use Path design project. Design plans will be developed to add pedestrian signals to the existing traffic signals with the goal of upgrading existing intersections up to current ADA requirements for pedestrians.
10/28 – Ongoing	**LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA | *Traffic Engineer.*** Gresham Smith was selected to develop an Adaptive Traffic Signal network for the Lafayette Consolidated Government, which involved upgrading 190 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of 190 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel studies. Rebecca is responsible for coordinating field data collection, travel time studies and developing design of traffic signals.
05/17 – 03/19	**LADOTD, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re-Evaluation Study, Lake Charles, LA | *Pre-Professional.*** Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. Rebecca was responsible for overseeing data collection, participated on the RSA team, conducting safety analysis, development of VISSIM models, development of alternatives and development of the report.
07/18 – 12/21	**LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA | *Engineer.*** Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Rebecca assisted with review of the count data,

	development of growth rates, crash data analysis, performed the existing and future traffic analysis, performed the safety effectiveness evaluation and developed the benefit-cost ratios for the alternatives.
11/17 – 01/18	**LADOTD, SRTS/LRSP Task Order 12: Constitution Drive Safety Study, West Monroe, LA | *Pre-Professional.*** Rebecca's role was to review traffic and crash data, perform traffic analysis, develop alternatives and the project report as well as assist with the design of pedestrian improvements and traffic signal plans
05/17 – 01/19	**LADOTD, US 171 MLK Boulevard Traffic Study, Lake Charles, LA | *Pre-Professional.*** Rebecca's role was to oversee data collection, develop a data collection report, perform the safety analysis, develop VISSIM models for 6 alternatives and calibrate the models, develop presentation material for the public meeting and development of the final report.
02/17 – 08/17	**LADOTD, SRTS/LRSP Task Order 1: City of Vidalia, Vidalia, LA | *Pre-Professional.*** Rebecca's role was to review traffic and crash data, perform traffic analysis, develop alternatives, and prepare the project report.

16. Staff Experience:

Gresham Smith

Daniel Knott

Senior Inspector

Years of experience with this employer	4
Years of experience with other employer(s)	38

Degree(s) / Years / Specialization	IMSA / Traffic Signal Field Technician Level II, IMSA / Fiber Optics Level II, Light Brigade / Fiber Optic Design, Installation, and Maintenance		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities	Signal Design / Daniel will support the field inspection and investigation and testing/QA tasks.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; ***i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
3/18 – 9/21	**LADOTD, ITS CEI Retainer, Signal Communications Upgrade Phase 1, CEI, Various, LA | *Senior Inspector*.** Daniel was responsible in leading the daily field CE&I inspections, logging in the dailies, and ensuring project requirements were followed.
12/17 – Ongoing	**MDOT, ITS CEI, US 49 from Florence to Scale Area, Florence, MS | *Designer*.** Gresham Smith is providing construction administration and inspection services on the ITS elements included in the US 49 from Florence to the Scale Area Project. Daniel is responsible in leading the daily field CE&I inspections, logging in the dailies, and implementing project requirements.
1/19 – Ongoing	**LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA | *Senior Inspector*.** Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Daniel assisted with construction inspection.
5/17 – Ongoing	**LADOTD, ITS Design and Implementation, WO#6: Fiber Optic Mapping and Management, Tangipahoa, St. Tammany, St. John and Orleans Parishes, LA | *Designer.*** Daniel was responsible for drafting updates onto the master database.
12/18 – Ongoing	**Lafayette Consolidated Government (LCG), Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA | *Designer/Senior Inspector.*** Daniel supported field verification of LCG's TSI, design plans for adaptive signal control intersections, and integration when the system is completed.
5/17 – 11/18	**MDOT, 2015 ITS WA#1: Desoto County CMAQ CEI, Inspection, MS | *Resident Project Representative.*** Daniel was responsible for daily construction inspection of installation of approximately 50 miles of fiber optic cable and equipment, DMS signs, CCTV cameras, RDS equipment and BDS equipment.

16. Staff Experience:

Intelligent Transportation Systems, LLC

Kimberly McDaniel, P.E., PTOE, PTP

Senior Transportation Engineering Manager

Years of experience with this employer	1
Years of experience with other employer(s)	19

Degree(s) / Years / Specialization	Bachelor of Science / 2003 / Civil Engineering Master of Science / 2006 / Civil Engineering		
Active registration number / state / expiration date	P.E. 32973 / LA / Exp. 9/30/2023 | PTOE 2072 / Exp. 10/02/2022 | PTP 802 / Exp. 3/14/25		
Year registered	2007	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Lead Traffic/Safety Engineer / Kimberly will lead traffic study updates and access management.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
Career	Kimberly McDaniel, P.E., PTOE, PTP, currently serves ITS LLC as a Senior Transportation Engineer Manager. She has over 19 years of experience in transportation design and planning, traffic engineering, and project management. She spent 6 years in state service at LADOTD in Traffic Engineering Management where she developed policies and programs related to Complete Streets, Access Management, and Traffic Impacts and served as the subject-matter expert on access management and traffic impacts. The remainder of her career has been spent as a consultant performing a wide variety of traffic engineering, safety assessments, and transportation design and planning projects throughout the states of Louisiana, Texas, and Michigan. She is very knowledgeable in the areas of innovative intersection design and operation, feasibility study requirements, access connection safety and design, corridor studies, interchange modification and justification studies, traffic impact studies, crash analyses, safety studies, low-cost safety improvements, and traffic impact analyses. Kimberly holds national certifications as a Professional Traffic Operations Engineer (PTOE) and Professional Transportation Planner (PTP). Kimberly has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, and other continuing education courses.
08/21 – 05/2022	**Railroad Trail Project Signal & Pedestrian Crossing Design, Tipton Associates on behalf of Louisiana Tech University (Lincoln Parish, LA)**: Kimberly served as the Project Manager for the design and development of construction plans for the Tech Drive at Railroad Avenue Signal and Pedestrian Crossing, which included traffic evaluation, engineering design, construction plans for the installation of accessible/audible countdown pedestrian signals, and pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus and the City of Ruston. As Project Manager, her duties included LADOTD project coordination, technical and planning review, and overall project management.
09/20 – 05/21	**LA 93 Traffic Impact Study (Lafayette Parish)**: Kimberly served as the Project Principal for a traffic and safety evaluation for the City of Scott. The study included traffic impact studies for three proposed developments, two Intersection Control Evaluations (ICE), and a safety evaluation, all of which was required to conform to the LADOTD Traffic Engineering Process and Report requirements.

08/19 – 03/20	**LA-93 at Westgate Signal (Scott)**: Kimberly was the Engineer of Record and Project manager for the preparation of the Intersection Control Evaluation (ICE) report which resulted in the approval of a temporary traffic signal at the intersection in to relieve traffic congestion due to an adjacent road closure. She also managed the design of the temporary signal and associated construction plans and LADOTD Permitting Process. This study was completed in accordance with the LADOTD TEPR requirements.
02/19 – 08/21	**Farm Road Multi-Bridge Replacement Project** (Calcasieu Parish, LA): Kimberly served as the Lead Traffic Engineer for the Calcasieu Parish Police Jury on the Replacement of bridges on Farm Road. The scope included professional engineering services related to the replacement of two bridges located on Farm Rd. She provided traffic engineering services, including the preparation of temporary traffic control plans.
07/20 – 03/21	**Tech Drive Pedestrian Crossings, Louisiana Tech University (Ruston)**: New student housing being constructed across a state highway from the main campus posed challenges for the thousands of students who would have to cross the highway each day. The University sought improvements to safety at these crossings. The scope included traffic engineering and permit assistance, along with coordination between Louisiana Tech and the Louisiana Department of Transportation and Development (La DOTD) for the development of construction plans for the installation of Rectangular Rapid Flashing Beacons (RRFB) at two midblock crossings. Kimberly served as Principal for the project and her duties included coordination with LADOTD, client coordination, review of plans and cost estimates/comparisons, permit and bidding coordination, and review of bid package documentation/distribution and meetings.
01/19 – 04/20	**S.P. No. H.001271 Cane River Bridge Church Street EA** (Natchitoches Parish, LA): Ms. McDaniel served as the Lead Traffic Engineer for this Environmental Assessment for the replacement of the Cane River Bridge. She was responsible for the analysis of multiple future traffic scenario alternatives as well as three different complex detour scenarios for the replacement of the Cane River Bridge. She assisted with the development of the final EA document which received approval on the first known LADOTD and FHWA “net benefit determination” for Section 4(f) properties in Louisiana. She assisted in the development a Finding of No Significant Impact (FONSI) document, which was approved by FHWA and LADOTD. Ms. McDaniel also assisted in coordinating public and agency outreach activities
06/17 – 06/21	**S.P. No. H.009932: US 80 Widening Vancil Rd to Well Rd** (Ouachita Parish): Kimberly served as traffic and safety project engineer for the Environmental Assessment study for capacity/safety improvement of a 1.4- mile portion of US 80. She developed traffic models for a variety of alternatives, identified safety improvements, and determined geometric configurations to increase traffic capacity. Alternatives included roundabouts.
01/19 – 05/22	**S.P. No. H.002297 LA 37 (Sullivan Road to Liberty Road)** (East Baton Rouge Parish): Kimberly served as the Project Principal and was responsible for directing all engineering, environmental, and planning services required to recommend improvements along the LA 37 corridor from Sullivan Road to Liberty Road. Upon completion of all analyses, a final Stage 0 Feasibility Report including the Stage 0 Checklist, Environmental Checklist, schematics, and the opinion of probable cost were developed.
04/15 – 12/18	**Contract No. 4400007736: Traffic Engineering Services Retainer Contract, Statewide, LA:** Kimberly was the Engineer of Record and Project Manager for a $3 million traffic engineering services on-call contract with LADOTD. Services included traffic engineering studies, corridor studies, safety and crash analyses, traffic signal design, traffic data collection, signing and pavement marking designs, traffic signal timing studies, and intersection design.

16. Staff Experience:

Intelligent Transportation Systems, LLC

Jonathan Fox, P.E., PTOE, PMP

Principal Engineer

Years of experience with this employer	7.5
Years of experience with other employer(s)	13

Degree(s) / Years / Specialization	Bachelor of Science / 2003 / Civil Engineering		
Active registration number / state / expiration date	P.E. 33277 / LA / Exp. 9/30/2023 | PTOE 2329 / Exp. 11/07/2022 | PMP 1812148 / Exp. 4/27/24		
Year registered	2007	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Traffic/Safety Engineer / Jonathan will lead the adaptive traffic signal design and support the traffic study updates.		

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).**
Career	Jonathan Fox, P.E., PTOE, PMP currently serves ITS LLC as a Principal. He has over 20 years of experience in traffic engineering, signal design, ITS design and maintenance, and project management. Jonathan has developed specific expertise in the design of traffic signal systems, communication systems, detection systems, intelligent transportation systems, and the innovative application of adaptive traffic signals. Jonathan holds a national certification as a Professional Traffic Operations Engineer (PTOE). Jonathan has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP) and an ATSSA Traffic Control Supervisor/Technician.
08/15 – 07/19	**SASOL Lake Charles Chemical Project – Adaptive Traffic Signal Systems (Westlake):** Jonathan was the lead traffic engineer on new traffic signal designs, upgrades, communication design, and integration. He oversaw developing traffic signal plans, simulation models, communication layouts, network design, surveillance, travel time management, and permit applications. Six of these intersection upgrades were integrated by Jonathan's team as the first Adaptive Traffic Signal System deployed in the state of Louisiana (System A). One of the biggest challenges overcome was integrating DOTD's first private cellular network connection. This effort took continuous communications between DOTD District 07, DOTD ITS Section, Div. of Admin. Office of Technology Service, Trafficware, and Verizon Wireless. Once the DOTD Lake Charles ITS Phase 2 project was constructed and accepted, Jonathan oversaw the design and installation of an unlicensed wireless network which removed the recurring monthly cellular service charges for the adaptive system. Jonathan has overseen the design, implementation and integration of the Sasol System B (LA 108 signal corridor) as well as LA 27 (Beglis Rd.) @ LA 379 (Houston Rive Rd.). These were constructed and the adaptive functionality was turned on in July of 2019. These intersection designs used stop bar and setback radar detection as well as wireless and cellular communications. Efforts for Sasol also included design and construction support for a temporary traffic signal on Old Spanish Trail at Prater Road. Jonathan oversaw the design and construction inspection.

06/18 – 07/19	**US 90 Adaptive Corridor (Westlake):** Jonathan has served as the project manager and overall design lead for the US 90 adaptive traffic signal corridor in Westlake, LA. Designs included preparing updated traffic signal inventory (TSI) forms as well as communications support of two isolated traffic signals. Equipment included in the design consisted of new radar detection and unlicensed wireless communications. Jonathan oversaw the integration of the intersections into the adaptive system in Lake Charles.
12/14 – Ongoing	**DOTD ITS Maintenance (44-2500, 44-7102. 44-16811) (Statewide):** Served as supervisor engineer for ITS LLC under the existing ITS Maintenance Retainer contract. Roles include project management support, quality control checks, site reviews, as well as investigating options and developing concepts to improve sites. Jonathan's knowledge of the ITS from planning through operations has made him a highly valuable asset to the ITS Maintenance team especially his knowledge of the ITS as it was designed and operated.
2007 – 2012	**L'Auberge Baton Rouge Casino & Hotel Off-Site Improvements (Baton Rouge):** This project involved developing signal plans for offsite signal improvements at the intersections of Nicholson and Gardere, Bluebonnet and Nicholson, Burbank and Bluebonnet, and Perkins and Siegen. The project called for completely new traffic signal equipment at the Nicholson and Gardere intersection. Modifications and additions to the existing traffic signal equipment were required at the other intersections. Jonathan led the design efforts for the traffic signals and fiber optic communications plans as well as obtained DOTD traffic signal permits**.**
2007 – 2010	**I-12 Ramp Metering Design and Implementation (East Baton Rouge Parish)**: Jonathan provided signal layout design support, quality control and fiber optic communications design for 16 ramp meters in the Baton Rouge area, including plan layouts, fiber allocations, and technical specification. He also handled construction administration, fiber inspection, fiber test review, and integration coordination. This was the first implementation of ramp metering in the state of Louisiana.
10/12 – 12/14	**Baton Rouge ITS Phase 3 (Baton Rouge)**: Jonathan oversaw the System Engineering Analysis (SEA) document for the project in compliance with the FHWA Rule (23 CFR Part 940.11) to determine project scope and analyze implementation constraints including minimizing the impact of construction on the traveling public and using existing fiber optic communications. Several ITS deployments projects were solely focused on the core urban area, leaving gaps west of the west of the Mississippi River (Iberville and West Baton Rouge Parishes), and east of the City in Livingston Parish. The solution to meet the LADOTD's goal of the Baton Rouge ITS Phase 3 project was to supplement the area with 16 additional closed circuit television video cameras, 5 dynamic message sign sites, 1 HUB site, 30 Bluetooth detection sites, 1 travel time message sign (first in the state), and 8 ramp meters that cover five parishes over, 50 miles, to help with key blind areas. Jonathan led the development of the full plan set from conception to Final Plans.
11/12 – 12/14	**H.010138 Sunshine Bridge ITS Deployment (Sorrento):** Jonathan managed all tasks from system engineering through deployment of final design package. He oversaw the development of the project level SEA for the deployment of a closed-circuit television camera system along LA 22 and LA 70 including the Sunshine Mississippi River Bridge. He overcame project challenges including determining how permitted fiber communications assets would be used, structure mounted conduit systems, and handling ongoing bridge painting construction. He developed a conceptual design to have the camera support mount directly to the bridge pier cap instead of the bridge's steel members to reduce maintenance. He also oversaw the analysis report, developed plans, specifications, and provided cost estimates.

16. Staff Experience:

Intelligent Transportation Systems, LLC

Diane Hammonds, P.E., PTOE, RSP1

Senior Transportation Engineering Manager

Years of experience with this employer	1
Years of experience with other employer(s)	17

Degree(s) / Years / Specialization	Bachelor of Science / 2002 / Civil Engineering		
Active registration number / state / expiration date	P.E. 40749 / LA / Exp. 9/30/2023 | PTOE 7113 / Exp. 12/19/22 | RSP1 798 / Exp. 3/14/25		
Year registered	2016	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Traffic/Safety Engineer / Diane will lead the adaptive traffic signal design and support the traffic study updates.		

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).**
Career	Diane C. Hammonds, P.E., PTOE, RSP1, currently serves ITS LLC as a Senior Transportation Engineer. She has over 17 years of experience in traffic engineering specializing in Traffic/Transportation Engineering and Transportation Planning projects including traffic impact assessments, traffic signal design systems, traffic simulation modeling, access management reviews, safety studies, roundabout analysis and design as well as permit reviews and coordination. Ms. Hammonds has successfully completed hundreds of successful traffic & transportation projects. Her unique skills to bring both the client and reviewing agency to agreement on the final product is an asset to the projects she is involved in. She has completed training in HCS, Synchro, Roundabouts and the HSM and is proficient in Synchro, SimTraffic, HCS, VISTRO, SIDRA, CRASH 1, CRASH 3 and Microstation. Diane holds national certifications as a Professional Traffic Operations Engineer (PTOE) and Road Safety Professional (RSP1). Diane has completed trainings and certifications for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III), the Highway Safety Manual, and other continuing education courses.
08/19 – 03/20	**LA-93 at Westgate Signal (Scott)**: Diane served as the Technical Lead, Analyst and Design Engineer for the modification of the intersection to add a traffic signal. The temporary traffic signal at the intersection was needed to accommodate traffic during construction and closure of an adjacent roadway. Diane prepared the volumes forecasting and capacity analysis as well as report documentation, and signal design. The approval coordination included the LADOTD District 03 staff as well as Headquarters and the Lafayette Consolidated Government.
01/22 – 05/22	**Traffic Signal – LA-433 at Town Center Parkway (St. Tammany Parish)**: Diane served as the Engineer of Record and Lead Traffic Engineer for an Intersection Control Evaluation (ICE) analysis for the intersection of LA-433 (Old Spanish Trail) at Town Center Parkway. The scope of services includes providing traffic engineering analyses, traffic signal design, and permit assistance to Stirling Properties as required by the LADOTD. The evaluation included an MUTCD 2009 Edition Traffic Signal Warrant Evaluation, a crash review for a three (3) year period that included diagrams, locations, and summaries, an existing operating analysis, and an alternative intersection control for a traffic signal, an all-way stop, a roundabout, an R-Cut, and median UTurns.

08/21 – 05/22	**Railroad Trail Project Signal & Pedestrian Crossing Design, Louisiana Tech University (Ruston)**: Diane served as the Lead Traffic Engineer for the design and development of construction plans for the Tech Drive at Railroad Avenue Signal and Pedestrian Crossing, which included traffic evaluation, engineering design for the installation of accessible pedestrian signals (APS), and pavement markings as part of FHWA BUILD Grant for pedestrian improvements throughout the Louisiana Tech campus and the City of Ruston.
08/19 – 06/21	**S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish)**: Diane served as a traffic engineer for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. She has assisted in the existing/no-build, safety, and alternatives capacity analysis reports, which have been approved by LADOTD. She analyzed project impacts by coordinating and assisting in developing the line and grade study, cost estimates, and conceptual plans.
02/19 – 08/21	**Farm Road Multi-Bridge Replacement Project (Calcasieu Parish)**: Diane provided assisted in the preparation of traffic management plans for the Calcasieu Parish Police Jury related to the replacement of two (2) bridges located on Farm Road. Diane provided traffic engineering services, including the preparation of temporary traffic control plans.
08/19 – 05/22	**S.P. No. H.002297 LA 37 (Sullivan Road to Liberty Road) (East Baton Rouge Parish)**: Diane served as the Lead Traffic Engineer and was responsible for managing and reviewing all submittals by the traffic sub-consultant, Gresham Smith. Diane ensures quality control and is assisting in the development of the Stage 0 Feasibility Study, Environmental Inventory, and conceptual plans
08/19 – 05/22	**LA-93 (Westgate Road) at Eraste Landry Road (Scott)**: Diane served as the Technical Lead, Analyst and Design Engineer for the modification of the intersection to add a traffic signal. The temporary traffic signal at the intersection was needed to accommodate traffic during construction which resulted in an adjacent roadway closure. Diane prepared the volume forecasting and capacity analysis as well as report documentation, and signal design. The approval coordination included the LADOTD District 03 staff as well as Headquarters and the Lafayette Consolidated Government.
05/18 – 08/19	**Lakeshore Drive Mixed Use Development Traffic Impact Study (Slidell)**: Diane served as the Project Manager, Engineer of Record, and Analyst for a ± 1,083-acre mixed use development which at full buildout will contain residential houses, a school, and small commercial retail. The study included 2 interstate interchanges with state highways as well as a 1.7-mile segment of Parish owned roadway including 4 roundabout evaluations and a J-turn corridor. She performed approval coordination with both the LADOTD and St. Tammany Parish.

16. Staff Experience:

Intelligent Transportation Systems, LLC

Clarke Chauvin, P.E., PTOE, PMP

Project Engineer

Years of experience with this employer	6
Years of experience with other employer(s)	3.5

Degree(s) / Years / Specialization	Bachelor of Science / 2013 / Civil Engineering		
Active registration number / state / expiration date	P.E. 41770 / LA / Exp. 9/30/2023 | PTOE 4337 / Exp. 11/20/23 | PMP 1812148 / Exp. 11/31/2023		
Year registered	2017	**Discipline**	P.E./Civil
Contract role(s) / brief description of responsibilities	Traffic/Safety Engineer / Clarke will support the adaptive traffic signal design and traffic study updates.		

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).**
Career	Clarke Chauvin, P.E., PTOE, PMP currently serves ITS LLC as a Project Engineer. He has over ten years of experience in traffic engineering, including roadways, signal systems, ITS design, communications design, CE&I, and maintenance. He has spent most of his professional career specializing in traffic signals, ITS design, maintenance, and all other aspects of design and implementation of technology for traffic purposes throughout the state. Clarke also has over 20 years of electrical experience which has been an asset with the design and implementation of traffic signals and ITS devices. Clarke has completed trainings and certification for the LADOTD Traffic Engineering Process and Reports (Parts I, II, and III) and other continuing education courses. He is a certified Project Management Professional (PMP), ATSSA Traffic Control Supervisor/Technician, and has certification as an IMSA Traffic Signal Technician – Level 2.
08/15 – 07/19	**SASOL Lake Charles Chemical Project – Adaptive Traffic Signal Systems (Westlake):** In support of the $8.9 billon ethane cracker chemical plant expansion, Clarke provided signal design support for multiple intersections. His efforts included developing preliminary signal permit plans, developing timing models, conducting field investigations, providing quantities, constructability reviews, and signal construction inspection. Clarke's experience in CE&I make him an excellent resource for design since he's able to identify constructability issues. Additionally, Clarke provided support for the first Adaptive corridor installed in the state of Louisiana. Along Sampson St., an adaptive corridor was implemented and is currently operational. Clarke was involved in the Synchro modeling, TSI documentation, and producing as-built drawings for the system.
02/18 – 07/19	**System B (LA 108) Adaptive Traffic Signal Corridor (Westlake):** Clarke was the Project Manager for the implementation of the System B adaptive traffic signal corridor. In addition to allocating IP addresses, configuring devices (both for network communication and signal operation), and managing construction and coordination, Clarke worked to bring an isolated traffic signal into the adaptive system through cellular communication. Clarke worked with DOTD to use a private cellular network to remotely connect to the signal equipment. He configured the cellular modem to allow port forwarding of the devices required for the adaptive system and oversaw the installation and configuration for all of the equipment for these signals. The communication system is currently active and the signals have been integrated into

	DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.
06/18 – 07/19	**US 90 Adaptive Corridor (Westlake):** Clarke performed network design and construction project management for the US 90 adaptive traffic signal corridor in Westlake, LA. In addition to performing the initial field wireless testing to determine appropriate frequency, power, mounting heights, etc., Clarke designed and allocated IP addresses for the various equipment at these intersections. He programmed controllers, switches, radar detection, and wireless Ethernet radios. The communication system is currently active and the signals have been integrated into DOTD's adaptive system. Clarke is currently responsible for ongoing maintenance and performance monitoring and has set up network management software to collect performance data and notify ITS LLC and DOTD with issues.
 03/19 – 04/20	**H.012661 D07 FYA – US 171 Adaptive Traffic Signal Corridor (Sulphur):** Clarke served as Project Manager in addition to performing network design, integration, and performance monitoring for the Adaptive traffic signal corridor installed in Sulphur, LA. From initial field wireless testing to device configuration and installation to network and traffic performance monitoring, Clarke was involved in creating a quality project with proven reliability and proven performance. Phasing construction to set up communications prior to the Adaptive turn on in November 2019 allowed ITS LLC to create a baseline for traffic operations to compare against active Adaptive system operation. ITS LLC also utilized NMS software to evaluate the network communications for speed, uptime, and reliability. Performance monitoring for the project is ongoing.
04/19 – 05/20	**LA 1256 (Ruth St.) Adaptive Traffic Signal Corridor (Westlake):** In order to create an adaptive traffic signal corridor along LA 1256, Clarke designed the communications network which would be responsible for handling all of the live traffic data for the corridor. For the adaptive corridor to function optimally, constant communication is required between the traffic signal and adaptive server at DOTD D07's TMC. Clarke allocated IP addresses for the devices and equipment at each signal along the corridor. He evaluated the path required for VLAN through an existing DOTD fiber optic ring for communication between the project site and DOTD D07 TMC. He performed wireless testing to evaluate whether 2Ghz or 5Ghz band frequencies would provide better performance along the corridor. He determined proper configuration for each network switch and wireless radio along the corridor. Clarke serves as Project Manager in addition to performing network design.
02/16 - Ongoing	**DOTD ITS Maintenance (44-7102. 44-16811), Statewide Louisiana:** Clarke has served as a pre-professional and now as engineer for the existing ITS Maintenance Retainer. He has performed routine maintenance on emergency crossover gates, travel time message system, CCTV camera sites, RVD sites, ramp meter sites as well as DMS sites. His skills include, but are not limited to, device troubleshooting, communication and network troubleshooting, parts replacement, site cleaning, insect extermination, traffic control setup, as well as coordinating with law enforcement, TMC operations staff, and DOTD. Let's not forget his investigation to find solutions for maintenance problems. For example, Clarke recently located a short and replaced access control boards in the Twinspan crossover gate system which allowed it to be brought back into operation. In addition to setting up monitoring for recent hub site generators, Clarke determined a solution for monitoring all existing generator sites. Clarke also designs platforms for hard to reach handholds at camera sites, usually on three way slopes. Clarke carries a Class D license to drive bucket trucks used in maintenance operations.

16. Staff Experience:

Intelligent Transportation Systems, LLC

Colin Francis, E.I.

Engineer Intern

Years of experience with this employer	1
Years of experience with other employer(s)	1

Degree(s) / Years / Specialization	Bachelor of Science / 2021 / Civil Engineering		
Active registration number / state / expiration date	EI.0035053 / LA / Exp. 9/30/2022		
Year registered	2022	**Discipline**	E.I./Civil
Contract role(s) / brief description of responsibilities	Traffic/Safety Engineer Intern / Colin will support the adaptive traffic signal design and traffic study updates.		

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).**
Career	Colin Francis, E.I., currently serves ITS LLC as an Engineer Intern. Colin is a recent graduate and has nearly a full year of combined experience as a student intern and post-graduate Engineer Intern. Colin has assisted with a variety of traffic impact studies, safety analyses, and traffic signal design projects. Additionally, Colin has been part of different aspects of ITS maintenance and installation work including CCTV camera testing and configuration, radio testing, and fiber testing. Colin has completed the LADOTD Traffic Engineering Process and Reports, Parts I, II, and III trainings.
05/22 – Ongoing	**DOTD ITS Maintenance (44-7102. 44-16811) (Statewide Louisiana)**: Colin is performing maintenance, troubleshooting, and installation functions on the existing LADOTD ITS Maintenance Retainer. He has performed routine maintenance on CCTV camera sites, RVD sites, ramp meter sites, and DMS sites. His skills include device troubleshooting, communication and network troubleshooting, parts replacement, and site cleaning. Colin carries a Class D license to drive bucket trucks used in maintenance operations.
12/21 – 05/22	**US 190 at Market Street Extension (Tangipahoa Parish)**: The scope of this study included traffic engineering services and permit assistance to Tangipahoa Parish Government for the Farris Property Development. Eleven intersections were included in traffic evaluations and analysis. This study conformed with the LADOTD Traffic Engineering Policy and Report (TEPR) requirements and amended directions included in the LADOTD COVID-19 Traffic Impacts Policy, consisted of traffic counts, turning movement counts, and driveway/residential roadway counts during the peak hour. Colin assisted with the preparation of the drafts and the final report, which included collected data, the existing safety analysis, the existing and no build analysis, and the alternative analysis. He compiled initial traffic count data to determine the peak period of traffic for the study area and performed the initial collection and compilation of crash history data from LADOTD to complete the existing safety analysis and crash diagrams.
09/20 – 05/21	**LA 93 Traffic Impact Study (Lafayette Parish)**: Colin served as an Engineer Intern on a study for the City of Scott to determine traffic impacts of three proposed developments, including two Intersection Control Evaluations (ICE) and a safety evaluation. Coin's role included using the TEPR system of reporting to determine peak period and peak hour of traffic volume, implementing the use of ArcGIS to map the crash history of the corridor, and using excel to implement trip generation values to existing traffic volumes.

16. Staff Experience:

Grey Engineering, LLC

April Renard, P.E., PTOE, RSP2I

Principal & Owner

Years of experience with this employer	<1
Years of experience with other employer(s)	16

Degree(s) / Years / Specialization	Bachelor of Science / 2006 / Civil Engineering		
Active registration number / state / expiration date	P.E. 35660 / LA / Exp. 9/30/2022		
Year registered	2010	**Discipline**	Civil Engineering
Contract role(s) / brief description of responsibilities	Complete Streets QA/QC		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; ***i.e.***, **"designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
07/22 – Ongoing	**LADOTD, IDIQ Contract for Safety Studies, Statewide, LA | *Subject Matter Expert.*** April serves as the Subject Matter Expert on Complete Streets by reviewing all project deliverables to ensure pedestrians, bicyclist, and transit users of all ages and abilities are provided reasonable and appropriate facilities given a project's context.
04/22 – 06/22	**Honeywell Universal Oil Products, Safety Assessment, Baton Rouge, LA | *Subject Matter Expert for Safety*.** April conducted a safety assessment at the entrance of Honeywell to mitigate crash risk and manage traffic operations. The report resulted in recommendations to prevent queueing onto Airline Highway, an urban high-speed arterial.
10/20 – Ongoing	**City of Baton Rouge & Parish of East Baton Rouge, MOVEBR US 61/Scenic Highway Enhancement Project (LA 408/Harding Boulevard to Swan Avenue), Baton Rouge, LA | *Project Lead.*** April is the project lead for the Scenic Highway Survey and Preliminary Design, developing existing plan and profile sheets and determining feasible typical sections given constrained Right-of-Way and limited budget. Her work involves coordinating with various stakeholders within the community, the MOVEBR Program Management Team, and LADOTD representatives while producing technical concepts to address the purpose and need of the project. Concepts include ADA compliant sidewalks, on-street bike lanes, traffic calming countermeasures, transit stop improvements, and green infrastructure (e.g. biofiltration swales and curb extension).
10/20 – 10/21	**City of Baton Rouge & Parish of East Baton Rouge, MOVEBR Capacity Program, Baton Rouge, LA | *Complete Streets Lead.*** April serves as the Subject Matter Expert on Complete Streets by reviewing all design studies, project design reports, and preliminary plans to ensure pedestrians, bicyclist, and transit users of all ages and abilities are provided reasonable and appropriate facilities given a project's context. April also led the development of standard street cross sections that were adopted into the MOVEBR Design Guidelines to improve walkability, bikability, ADA compliance, transit accommodations, calm traffic, mitigate stormwater runoff impacts, and improve water quality. She also produced and hosted a MOVEBR Design Guidelines workshop.
7/19 - 10/20	**City of Baton Rouge & Parish of East Baton Rouge, MOVEBR Program, Baton Rouge, LA | *Project Manager, CSRS, Inc.*** In the early phases of MOVEBR, April created the data-driven prioritization schema of MOVEBR projects and led the collection and processing of the data to produce the first tier of prioritized projects. April also developed the

	MOVEBR federal funding strategy matrix for pursuing federal funds for eligible projects. After the overall program strategy was developed, April served as a Project Manager for 6 MOVEBR Capacity Program projects (Midway, Constantin/Dijon, Old Hammond Highway Segment 1, Old Hammond Highway Segment 2, Harding at I-110 Interchange, Ardenwood-Lobdell Connector), which included coordinating all aspects of project delivery (e.g. traffic analysis, environmental permitting, state and federal agency requirements, design, Right-of-Way acquisition, utility coordination) for reducing project delivery time (schedules are managed in Primavera P6).
07/19 – 10/20	**Jefferson Parish, Belle Terre Streetscape Improvements, La Place, LA | *Designer.*** April produced design concepts to improve walkability, bikability, and stormwater run-off mitigation.
09/14 - 07/19	**LADOTD Highway Safety Manager, Statewide, LA.** April was responsible for the development and implementation of Louisiana's Strategic Highway Safety Plan in coordination with the Federal Highway Administration. She provided direction to staff on the State's safety data analysis processes for identifying potential Highway Safety Improvement Program projects (23 U.S.C. 148). April provided guidance across disciplines on data-driven safety considerations within LADOTD's project delivery process and led the Complete Streets Policy implementation activities for Louisiana, serving as the Chairperson for the Louisiana Complete Streets Advisory Council. Other projects included the management of the East Baton Rouge Parish Bicycle and Pedestrian Masterplan contract, oversight of the Local Road Safety Program in coordination with the Louisiana Local Technical Assistance Program (LTAP) Office, and the creation and administration of the first-of-its-kind Safe Routes to Public Places Program. While a LADOTD employee, April represented the State on the AASHTO Task Force for the Second Edition of the Highway Safety Manual and served as an expert witness concerning protected safety data.
02/10 – 09/14	**LADOTD Highway Safety Engineer, Statewide, LA.** In her position, April managed consultant contracts for feasibility studies, developed safety study guidelines for Transportation Management Plans, served on the State's Work Zone Task Force, conducted training and provided technical assistance for highway safety analytical tools, and conducted high-profile engineering studies (e.g. Statewide Cable Median Barrier Study, LA 10 Task Force study)
10/07 – 02/10	**LADOTD Traffic Engineer Intern.** While April served in LADOTD's Traffic Engineering Section, she developed updated pavement marking standards for the state, produced traffic simulation models, reviewed pavement marking and signing plans, designed interstate guide signing projects, assisted in revising traffic impact study policies and trained Districts on new the policy, and reviewed consultant submittals of traffic engineering studies.

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Karla Weston, P.E. Topographic Survey			**Years of experience with this employer**	17
			Years of experience with other employer(s)	6
Degree(s) / Years / Specialization	Bachelor of Science / 1999 / Civil Engineering			
Active registration number / state / expiration date	PE. 31010 / Louisiana / 03/31/24			
Year registered	2004	**Discipline**	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities		Karla will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
02/16-09/19	**H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA**: Karla's served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
12/13 – 10/19	**H.02960 Gramercy Bridge, St. James Parish, LA**: Karla served as Principal-in-Charge for the firm's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project
02/14 - 02/15	**H.010620 I-49 Design Build, Lafayette, LA**: Karla provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.
05/13 – 05/14	**H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA**: Karla served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
01/06 – 12/12	**EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA**: Karla served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.
03/12 – 07/12	**H.009104.5 - Sunshine Bridge Phase 2:** Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.
05/11 – 04/12	**Red River – Jackson Street Bridge, Alexandria, LA:** KArla served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.

06/12 – 10/12	**H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33** Ms. Weston served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurrican Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
12/11 – 4/12	**H.005902.5 - Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29** Ms. Weston served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	**Picardy Avenue Extension–City/Parish of East Baton Rouge:** Karla served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Ralph Burgess, PLS Topographic Survey			**Years of experience with this employer**	11
			Years of experience with other employer(s)	12
Degree(s) / Years / Specialization	BS Industrial Design & Supervision 2004 / Southeastern LA University			
Active registration number / state / expiration date	PLS 5040 / Louisiana / 09/30/22			
Year registered	2010	**Discipline**	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities	Ralph will serve as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.			

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).**
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**: Ralph was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**: Ralph was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
07/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Ralph served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16-08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA**: Ralph served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.

10/15-12/18	**H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA**: Ralph served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals
08/16-12/17	**H.011235 I-49 South at Verot School Road, Lafayette, LA**: Ralph served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07//14-10/15	**H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA**: Ralph served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Ralph served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
03/14-06/14	**H.008369 Cleo Road Roundabout, St. Tammany Parish, LA**: Ralph served as the project manager for the project. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13-07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Survey Manager for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Ralph served as the Survey Manager for this project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	**H.010620 I-49 Design Build**: Ralph managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced ROW maps for the project. Ralph's duties for this portion also included title reports, review of property surveys and final submittal of final existing right of way plans.

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Chris Ballard, PLS Topographic Survey			**Years of experience with this employer**	6
			Years of experience with other employer(s)	19
Degree(s) / Years / Specialization	Bachelor of Science / 2004 / Biological Science, Southeastern University			
Active registration number / state / expiration date	PLS 5033 / Louisiana / 09/30/22			
Year registered	2010	**Discipline**	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities	Chris serve as the Surveyor for this project. Chris has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.			

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).**
01/18 – 01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA** Chris is the Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17 – 07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA** Chris served as the firms Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19 – 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA** Chris is serving Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
01/17 – 12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA** In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Chris served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.

10/16 – 11/16	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA** Chris served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review and processing of the survey data, verification and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, **3D Terrestrial Scanning** was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 – 12/17	**H.012650.5-1 District62 Bridges, Livingston and Tangipahoa Parishes, LA** Chris served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one were surveyed utilizing **3D Terrestrial Scanning**.
10/15 – 12/18	**H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA** Chris served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 – 08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA** Chris served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included **processing** of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized **3D Terrestrial Scanning** for the main route.
10/15 – 01/16	**H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA** Chris served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 – 09/13	**260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA** Chris worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 – 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA** Chris served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with **3D terrestrial scanning.**

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Philip Dupree Survey Party Chief			**Years of experience with this employer**	10
			Years of experience with other employer(s)	30
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	N/A			
Year registered	N/A	**Discipline**	N/A	
Contract role(s) / brief description of responsibilities		Philip is the Senior Survey Party chief who will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately.		

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).**
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**: Philip was the Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18-02/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Philip is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:** Philip is serving as Field coordinator on this project by working specifically to set the control on the job and overseeing field crews as they work to complete the topography.
10/15-12/18	**H.011235 I-49 South at Verot School Road, Lafayette, LA:** Philip served as Field coordinator on this project. He resurrected the original control set on the project and oversaw the checking of it. Philip was the field coordinator with the R/R and also the SUE contractor on the project. He oversaw all field crews and ensured that the project was completed accurately and timely.
01/16-08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Philip served as Field coordinator on this urban roadway topography project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule.
10/16-11/16	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA**: Philip served as Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge**,** 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.

07/14/10/15	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:** Philip served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13-07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Philip served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Philip served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	**H.010620 I-49 Design Build**: Philip served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Philip also was the lead Party Chief for the property surveys on this project.
Certifications	• NSPS Certified Survey Technician, Level III, Boundary Cert. No. 0799-1106 / Nationwide/ 06/30/2019; ATSSA Certified as Registered Flagger / 07/12/2021 • ATSSA Certified Traffic Control Tech & Traffic Control Supervisor / 07/12/2021

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Jacob Stoehr Survey Party Chief			**Years of experience with this employer**	7
			Years of experience with other employer(s)	1.5
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	N/A			
Year registered	N/A	**Discipline**	N/A	
Contract role(s) / brief description of responsibilities		Jacob will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey 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).**
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Jacob served as a Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/18	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/18	**H.011235 I-49 Verot School Road, Lafayette, LA:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
05/17-07/17	**H.011909.5-2 Roundabout US 171 at Boone Street, Vernon Parish, LA:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
01/16 – 08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/15 – 12/18	**H.003184.5 I-10 Texas State Line East of Coone Gully:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/16 – 11/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:** Jacob served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
Certifications	• ATSSA Traffic Control Supervisor, Technician & Flagger | 02/28/2021

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Jason Stoehr Survey Party Chief			**Years of experience with this employer**	5
			Years of experience with other employer(s)	0
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	ATSSA TCS, TCT, Flagger			
Year registered	N/A	**Discipline**	N/A	
Contract role(s) / brief description of responsibilities		Jason will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey 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).**
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**: Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/18	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/18	**H.011235 I-49 Verot School Road, Lafayette, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
02/19 - 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Mr. Stoehr served as a Jr. Party Chief this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
7/17 – 12/18	**H.003184.5 I-10 Texas State Line East of Coone Gully:** Mr. Stoehr served as an instrument man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Trent Norris Senior Technician			**Years of experience with this employer**	8
			Years of experience with other employer(s)	0
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	N/A			
Year registered	N/A	**Discipline**	N/A	
Contract role(s) / brief description of responsibilities		Trent serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.		

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).**
01/18 – 01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Trent was the #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17 – 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
04/17 – 07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
08/16 – 01/18	**H.011235 I-49 Verot School Road, Lafayette, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/16 – 10/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/15 – 12/18	**H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
01/16 – 07/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Trent served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
Certifications	• NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 • ATSSA Traffic Control Supervisor, Technician & Flagger | 02/28/2021

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Scott Benton Senior Technician			**Years of experience with this employer**	5
			Years of experience with other employer(s)	5
Degree(s) / Years / Specialization	N/A			
Active registration number / state / expiration date	N/A			
Year registered	N/A	**Discipline**	N/A	
Contract role(s) / brief description of responsibilities		Scott serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
12/19 – 01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Scott served as a #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
03/14 – 06/14	**H.008369 Cleo Road Roundabout, St. Tammany Parish, LA**: Scott served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13 – 07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Scott served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
02/13 – 06/13	**H.005693 LA 447, Walker, LA**: Scott served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C's responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.
10/14 – 12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Scott served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:** Scott served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting necessary topographic data from them thru TopoDot to put into InRoads.
Certifications	• ATSSA Traffic Control Supervisor, Technician & Flagger | 02/28/2021

16. Staff Experience:

Civil Design & Construction, Inc. (CD&C)

Madison Mills, LSI Land Survey Intern			**Years of experience with this employer**	1
			Years of experience with other employer(s)	4
Degree(s) / Years / Specialization	Bachelor of Science / 2016 / Civil Engineering			
Active registration number / state / expiration date	0000716 / Land Surveyor Intern/Louisiana			
Year registered	2021	**Discipline**	Land Surveyor Intern	
Contract role(s) / brief description of responsibilities		Madison joined CD&C in 2021 as a Land Surveying Intern. Madison will be taking his PLS exam in 2022. He serves as a Survey Technician for CD&C working to manage field crews, process field crew data, and finalize deliverables.		

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 - Ongoing	**H.013955 LA 961 Bride at Sandy Creek, :** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 - Ongoing	**H.013955 LA 961 Bride at Sandy Creek, West Feliciana Parish, LA :** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 - Ongoing	**H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA:** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
07/21 – 11/21	**H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA:** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
02/21 – 05/21	**H.010108 Safe Routes to Schools – Independence Sidewalks, Baton Rouge, LA:** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
07/21 – 12/21	**H.0014560.5 LA 94 Vermillion River, St. Martin Parish, LA:** Madison worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.

17. Firm Experience:

Gresham Smith	Past Performance Evaluation Category(ies)*	Road

LADOTD, SRTS/LRSP Task Orders #14: Farmerville Sidewalk Design				Firm responsibility (prime or sub?)	Prime
Project number	H. 013079.5	**Owner's name**	Louisiana Department of Transportation and Development		
Project location	Farmerville, Louisiana	**Owner's Project Manager**		Mark Morvant	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1205 / mark.morvant@la.gov				
Services commenced by this firm (mm/yy)	04/18	**Total consultant contract cost ($1,000's)**		$157	
Services completed by this firm (mm/yy)	10/19	**Cost of consultant services provided by this firm ($1,000's)**		$113	

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

LADOTD initially contracted with Gresham Smith to prepare and coordinate a design study report which presents a project scope, progress schedule and preliminary cost estimate for engineering and construction of sidewalks and other ADA compliant safety enhancements in the vicinities of the Library and downtown Farmerville, Louisiana. Subsequently, a design project was initiated which included the following engineering services: topographic surveying, right-of-way locating, the preparation of cost estimates, and construction plans. A submittal was made at 95% preliminary plans, followed by a plan-in-hand meeting in which all relevant parties could provide comments, which were incorporated into Final Design.

Project Highlights

- Project Management
- Sidewalk Design
- Driveway Access Management
- Signing & Pavement Markings
- Drainage Design

The scope of this project was to develop design plans that will remove existing sidewalks that are in poor condition and the installation of new concrete sidewalks from the Union Parish Library to the Union Parish Junior High School and the Union Parish High School. This project connects to major areas of commerce, governmental buildings including the Town Hall and the Union Parish Courthouse, library, shopping, restaurants, etc. It will connect this portion of town to an existing project that the Town of Farmerville is currently designing to enhance the appearance of the downtown area adding accessible walkways with lighting that will make the downtown area more attractive for visitors and residents as well as making more areas available for walking for health. This includes topographic survey, preliminary and final design plans, and construction cost estimates for over 4,000 linear feet of new sidewalks.

Nature of firm's responsibility:
Prime Consultant; Overall responsibility for entire contract.
Firm members involved include:
Ronnie Robinson, Brennon Hughes, Bert Moore, Rebecca Murray, and Richard Savoie.

17. Firm Experience:

Gresham Smith	**Past Performance Evaluation Category(ies)***	Traffic

LADOTD, LCG Adaptive Traffic Signal

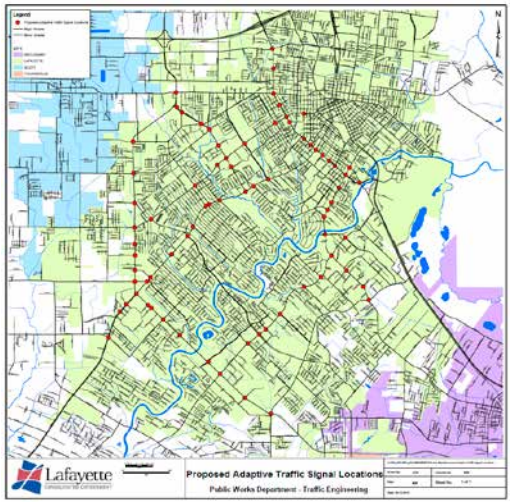
				Firm responsibility (prime or sub?)	Prime
Project number	H.012018.5	**Owner's name**	Louisiana Department of Transportation and Development		
Project location	Lafayette, Louisiana	**Owner's Project Manager**		Andre Fillastre, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.242.4646 / andre.fillastre@la.gov				
Services commenced by this firm (mm/yy)	10/18	**Total consultant contract cost ($1,000's)**		$813	
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**		$813	

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 category included in the advertisement, then indicate which past performance evaluation category(ies) this project is being used to represent.

Gresham Smith was selected to upgrade all of the traffic signals in Lafayette, Louisiana and install Adaptive Traffic Signal Control (ATSC) along eight major corridors. This project includes performing traffic signal inventories for all 190 traffic signals that are maintained by LCG. Once the inventories were performed, design plans were developed for traffic signal controller upgrades for all of the traffic signals to be upgraded from Trafficware 980 TS2 traffic signal controllers to Trafficware 980 ATC traffic signal controllers and the installation of a new emergency vehicle preemption system from Applied Information.

Of the 190 traffic signal locations, 78 intersections will have Synchro Green Adaptive Traffic Signal Control implemented into the project. Gresham Smith designed plans to upgrade the existing vehicle detection systems at these adaptive intersections to meet the needs of the new adaptive system. A before travel time study will be performed prior to construction to compare post installation results.

Gresham Smith is assisting with the implementation and integration of the adaptive system and the emergency vehicle preemption system. Gresham Smith has successfully completed the installation of other adaptive traffic signal systems in numerous states. Upon completion of this project, this will be the largest adaptive traffic signal system in Louisiana.



Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract. **Firm members involved include:** Bert Moore, Rebecca Murray and Daniel Knott.

Project Highlights

- Traffic Signal Inventories
- Traffic Signal Design Plans
- Implementation and Integration of Adaptive Traffic Signal System
- Before Travel Time Studies

17. Firm Experience:

Gresham Smith	**Past Performance Evaluation Discipline(s)***	Road

SRTS/LRSP Task Order #6 and #21: Endom Bridge

Firm responsibility (prime or sub?)	Prime

Project number	H.012279; H.012279.5	**Owner's name**	Louisiana Department of Transportation and Development
Project location	West Monroe, Louisiana	**Owner's Project Manager**	Laura Riggs, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1143 / laura.riggs@la.gov		

Services commenced by this firm (mm/yy)	12/17	**Total consultant contract cost ($1,000's)**	$251
Services completed by this firm (mm/yy)	12/20	**Cost of consultant services provided by this firm ($1,000's)**	$222

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

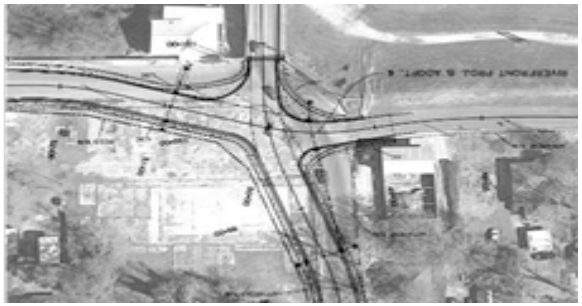
As part of LADOTD's Local Road Safety Program (LRSP) retainer contract, Gresham Smith was tasked to develop operational and safety improvements at the west approach to the Endom Bridge located in West Monroe, Ouachita Parish. After a technical review of this intersection, Gresham Smith was selected to perform engineering and related services to prepare preliminary and final plans for proposed safety and operational improvements to the intersection of Coleman Avenue with North and South Riverfront Streets at the Endom Bridge approach.

The purpose of the improvements is to realign the Coleman Avenue approach to the Endom Bridge to improve intersection sight distance and safety for pedestrians and vehicles. This project will include pedestrian facilities including walking paths long Endom Bridge and the Ouachita River.

Gresham Smith's responsibilities were to oversee the topographic survey, coordinate with the local municipality, develop preliminary and final design plans to realign the intersection, right-of-way maps, specifications and construction cost estimates. This project was let for construction on December 9, 2020 with the apparent low bid only 5.14% over the estimate.

Project Highlights

- Milling Asphalt Pavement
- Traffic Maintenance
- Intersection Realignment
- Subsurface Drainage Design
- Truck Island Design
- Improved sight distance and safety



Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.
Firm members involved include: Bert Moore, Richard Savoie, Brennon Hughes, Ronnie Robinson and Rebecca Murray.

17. Firm Experience:

Gresham Smith	**Past Performance Evaluation Discipline(s)***	Planning / Traffic / Road

LRSP McMillan at Blanchard Traffic Study & Design

Firm responsibility (prime or sub?)	Prime

Project number	H.012297.5, H.012297	**Owner's name**	Louisiana Department of Transportation and Development
Project location	West Monroe, Louisiana	**Owner's Project Manager**	Laura Riggs
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA / 225.379.1143 / laura.riggs@la.gov		

Services commenced by this firm (mm/yy)	02/17	**Total consultant contract cost ($1,000's)**	$133
Services completed by this firm (mm/yy)	06/19	**Cost of consultant services provided by this firm ($1,000's)**	$133

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

LADOTD contracted with Gresham Smith to prepare and coordinate a formal traffic study of the intersection of McMillan Street and Blanchard Street in West Monroe, Louisiana. The objectives of the study were to analyze the existing traffic conditions at the intersection and develop design concepts and alternatives that would improve the safety and efficiency of the intersection for both pedestrians and vehicles.

McMillan Road Improvements at Bell Lane Approach

Following acceptance of the study, LADOTD contracted with Gresham Smith to prepare topographic survey, preliminary and final design plans, specifications and opinions of estimated construction costs for improvements recommended in the traffic study Gresham Smith previously performed. The project included the design of the following improvements:

A new traffic signal at the McMillan Road at Blanchard Street intersection with pedestrian signal heads, pedestrian push buttons and ADA compliant crosswalks. Realignment of the curb line on the northwest side of the intersection of McMillan Road at Bell Lane, install an ADA-compliant crosswalk, relocate the stop bar and stop sign to improve sight distance for southbound traffic and restripe the eastbound approach to include an exclusive left turn storage lane.

- Replacement of the existing striping on McMillan Road from 400 feet west of the intersection of Bell Lane up to the stop bar on the eastbound approach of McMillan Road at Thomas Road, including 250 feet from McMillan Road on Bell Lane and Blanchard Street.
- Back-to-back rollover curbing between opposing travel lanes along McMillan Road approaching Thomas Road from the west.

Nature of firm's responsibility: Prime Consultant; Overall responsibility for entire contract.
Firm members involved include: Bert Moore, Richard Savoie, Brennon Hughes, Ronnie Robinson and Rebecca Murray.

17. Firm Experience:

Gresham Smith	**Past Performance Evaluation Discipline(s)***	Planning / Traffic / Road

Sherwood Forest Blvd MUP

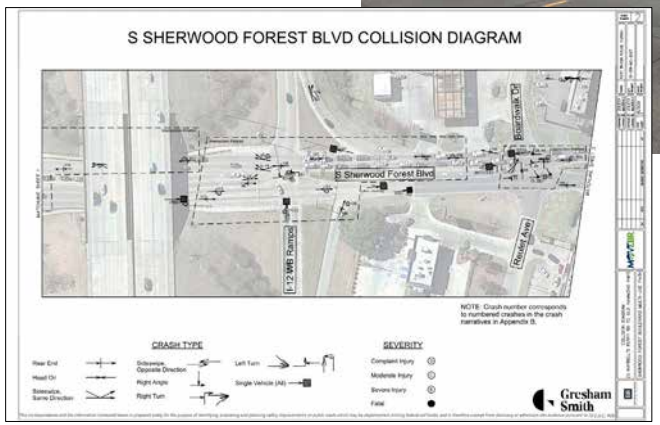
Firm responsibility (prime or sub?)	Prime

Project number	20-EN-HC-0027	**Owner's name**	Louisiana Department of Transportation and Development	
Project location	Baton Rouge, LA	**Owner's Project Manager**		Thomas A. Stephens, P.E.
Owner's address, phone, email	222 Saint Louis Street, Baton Rouge, LA 70802 / 225.389.3186 / tstephens@brla.gov			
Services commenced by this firm (mm/yy)	02/17	**Total consultant contract cost ($1,000's)**		$150
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**		$150

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

Under a separate project, the MovEBR program is designing a Multi-Use Path along the west side of South Sherwood Forest Boulevard from South Harrells Ferry Road to Old Hammond Highway. Gresham Smith was selected to provide the safety and timing study for the traffic signals through this project, to review the feasibility of the improvements required to the traffic signals.

Gresham Smith was also tasked with the design to upgrade these traffic signals to accommodate the MUP and the crosswalks required. This included the intersections of South Sherwood Forest at S. Harrells Ferry, I-12 EB Ramps, I-12 WB Ramps, N. Harrells Ferry and Old Hammond Highway. This project will improve the operation and safety for both vehicular and non-vehicular users by bringing these existing intersections up to current ADA requirements. The signal improvements will include the installation of handicap ramps, crosswalks, pedestrian signal heads and audible pedestrian pushbuttons.



Nature of firm's responsibility:
Prime Consultant; Overall responsibility for entire contract.
Firm members involved include:
Bert Moore and Rebecca Murray.

Gresham Smith

17. Firm Experience:

Intelligent Transportation Systems, LLC	**Past Performance Evaluation Category(ies)***	Traffic

Lake Charles FYA – US 171 Adaptive and LA 14 Adaptive

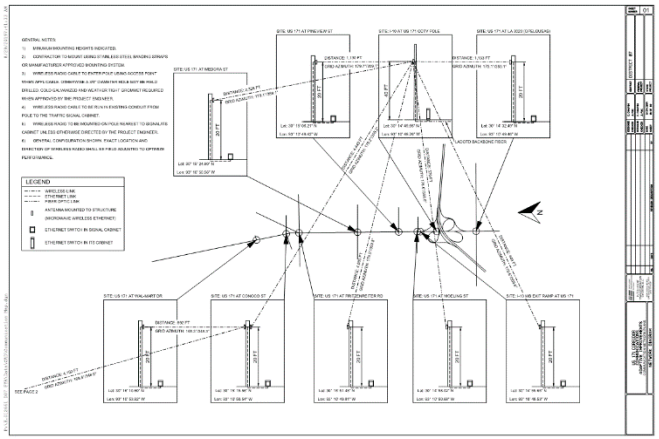
Firm responsibility (prime or sub?)	Sub

Project number	H.012661	**Owner's name**	Louisiana Department of Transportation and Development
Project location	Lake Charles, LA	**Owner's Project Manager**	Tyson Thevis
Owner's address, phone, email	5827 Hwy. 90 East; Lake Charles, LA 70615 / 337.437.9200 / tyson.thevis@la.gov		

Services commenced by this firm (mm/yy)	07/19	**Total consultant contract cost ($1,000's)**	$306.5
Services completed by this firm (mm/yy)	12/19	**Cost of consultant services provided by this firm ($1,000's)**	$306.5

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

The traffic signal systems on US 171 and LA 14, designed by ITS LLC, represent Louisiana's largest corridor deployment of Adaptive traffic signals. US 171, stretching from Lake Charles to Moss Bluff, is a major route for commuters in and out of the city. This signal corridor contains eleven traffic signals in just over five miles. Additionally, this project included a second eight-signal corridor further south along LA 14 which is currently under construction. With no existing DOTD communications in the area of the LA 14 corridor, ITS LLC designed and implemented a 3.5 mile wireless radio shot to provide the required communications from the LA 14 corridor to the SynchroGreen Adaptive management server at the LADOTD District 07 Office.



Firm members involved include: Clarke Chauvin, Jonathan Fox

Technology Integration: ITS LLC worked with Trafficware/Cubic and LADOTD District 07 to integrate these signals into DOTD's existing SynchroGreen system and ATMS.now. In addition to performing configuration on a variety of devices including switches, radios, Bluetooth detection, signal controllers, and vehicle detection, ITS LLC set up solutions to monitor devices and traffic.

Performance Monitoring: Through the use of ATMS.now and SynchroGreen, signal performance data is logged and can be reviewed. Through the use of BlueArgus, travel times were monitored before and after the implementation of the Adaptive system to verify results. Through the use of PRTG, intelligent devices are monitored for communication reliability. Through the use of UNMS, the wireless radios and associated links are monitored for signal performance and device uptime. Performance monitoring was a key component to this project. Issues and glitches are immediately detected and resolved before they can problems. This has resulted in identifying power issues unrelated to the signal equipment, providing LADOTD advanced notifications and additional assurance of proper signal operations.

17. Firm Experience:

Intelligent Transportation Systems, LLC	**Past Performance Evaluation Category(ies)***	Traffic

LA 27 at Burton Shipyard Rd – Intersection Warrant Study, Design, and Installation				**Firm responsibility (prime or sub?)**	Sub
Project number	(private)	**Owner's name**	Driftwood LNG | Tellurian, Inc.		
Project location	Sulphur, LA	**Owner's Project Manager**		Ashley Womack	
Owner's address, phone, email	1201 Louisiana Street, Suite 3100; Houston, TX 77002 / 832.320.9273 / ashley.womack@tellurianinc.com				
Services commenced by this firm (mm/yy)	03/18	**Total consultant contract cost ($1,000's)**		(confidential)	
Services completed by this firm (mm/yy)	05/22	**Cost of consultant services provided by this firm ($1,000's)**		(confidential)	

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

Firm members involved include: Clarke Chauvin, Jonathan Fox

The development of a new liquefied natural gas production and processing facility in Calcasieu Parish by Driftwood LNG necessitated a signal warrant analysis for a temporary signal to aid with traffic flow during the construction process. The new facility was expected to increase the volume on exiting roadways because of the vast number of workers required for the construction process. The intersection of LA 27 at Burton Shipyard Road is a major intersection that would be affected by this traffic as it leads to the entrance of the facility site. A previously completed traffic impact study (by others) determined the potential need for a temporary signal at this intersection. ITS LLC performed the warrant analysis for the temporary signal. LA 27 and Burton Shipyard Road is a T-intersection, previously controlled by a stop sign for traffic on Burton Shipyard Road. Data was collected and analyzed according to LADOTD guidelines and evaluated against the Signal Warrants outlines in the Manual on Uniform Traffic Control Devices (MUTCD). The projected volumes during construction met Warrant 3 for both the AM and PM peak hours, triggering further evaluation. The volumes were evaluated on a month-by-month basis for the duration of projected construction, as volumes would fluctuate based on the phase of the construction. Ultimately it was determined that Warrant 3 was projected to be met for the duration of construction over a four-year period. However, once construction was complete and typical plan operations began, the warrant would no longer be met. Therefore, a temporary signal for a period of approximately four years was recommended. LADOTD elected to require the traffic signal to be adaptive based on anticipated fluctuations in traffic volumes. It was determined that an isolated Adaptive signal would be ideal for this application.

ITS LLC was then tasked with the design of the temporary signal at this intersection. ITS prepared the permit plans and obtained the Document 2 Permit Package from LADOTD on behalf of Tellurian (Driftwood LNG). Included in this were tasks such as signal permit processing, preliminary equipment planning, equipment purchasing and storage in preparation of the LA 27 at Burton Shipyard Road temporary signal installation to allow construction to begin with 30-day notice. ITS also performed a wireless communication assessment for the signal location. The design included a span-wire pole-mounted cabinet with 980 ATC signal controller, radar vehicle detectors, and wireless communication equipment.
ITS LLC was subsequently tasked with the installation of the temporary signal. This phase included project management, construction management, installation, testing, configuration, and integration work to satisfy the specification requirements of the DOTD for a temporary adaptive traffic signal. The installation included a span-wire signal, radar detection, a local Ethernet switch, cellular communications for site connection to the LADOTD District 07 Adaptive Server, and live performance monitoring and optimization of the adaptive settings.

17. Firm Experience:

Intelligent Transportation Systems, LLC	**Past Performance Evaluation Category(ies)***	Traffic

Calcasieu Point LNG Development

Firm responsibility (prime or sub?)	Sub

Project number	(private)	**Owner's name**	Lake Charles LNG
Project location	Lake Charles, LA	**Owner's Project Manager**	John Kelly
Owner's address, phone, email	1300 Main Street; Houston, TX 77002 / 713.989.7411 / john.kelly@energytransfer.com		
Services commenced by this firm (mm/yy)	09/15	**Total consultant contract cost ($1,000's)**	(confidential)
Services completed by this firm (mm/yy)	10/17	**Cost of consultant services provided by this firm ($1,000's)**	(confidential)

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

The new Lake Charles LNG plant was constructed to provide new liquification facilities as well as non-liquification support facilities to expand LNG processing at existing facilities in Lake Charles, LA. Because of the significant increase in workforce to support these operations, traffic in and around the new plant was expected to also see significant increases. Additionally, during construction, there would be a need for routes to transport oversized load with large and heavy equipment that was constructed offsite and brought in for the facility.

Proposed Adaptive Signal Intersection: Country Club Road at Weaver Road

Firm members involved include: Clarke Chauvin, Jonathan Fox

Traffic Study: ITS LLC was initially tasked with performing an updated traffic study along three major corridors crossing I-210 in Lake Charles, LA, to determine the impacts of the facility development, both during and after construction, and identify areas for improvements. Because at that time the region was undergoing unprecedented industrial growth, and subsequently residential and commercial growth, the traffic study was expansive and changed scope throughout the process as more information was known about future developments in the area. The study mainly focused on three plant construction projects with different levels, phasing, and timelines of construction. The study ultimately led to proposed signal improvements along the three corridors as well as some additional isolated and temporary signals. ITS LLC was also tasked with creating permit plans for almost 30 unique traffic signals including along coordinated corridors, isolated permanent, and isolated temporary signals which were fully actuated.

Adaptive Traffic Signal Design: ITS LLC was later tasked with accommodating some of the planned construction activities. For site prep, one developer intended to bring multiple loads of dirt from one side of the facility to the other, crossing LA 384 (Big Lake Rd.). ITS LLC performed an additional separate traffic impact study for the addition of a signal for the temporary haul road at a state highway crossing. This was a unique situation that required ITS LLC to manipulate intricate defaults of the analysis software to accurately portray the size, startup time, and top speed of these oversized, articulating dump trucks. Factors evaluated in the analysis included safety, quantifying volumes, designing signal timings, and evaluating the long-term duration of these activities as well as the daily schedule of activities. Ultimately, the traffic study provided adequate signal warrant data and resulted in a temporary signal waiver. As a result, ITS LLC produced a TSI plan set for this intersection for permitting.

17. Firm Experience:

Grey Engineering, LLC	**Past Performance Evaluation Category(ies)***	Planning

IDIQ Contract for Safety Studies

Firm responsibility (prime or sub?)	Sub

Project number	4400023690	**Owner's name**	Lake Charles LNG	
Project location	Statewide, LA	**Owner's Project Manager**		John Kelly
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 / 225.379.1445 / trey.jesclard@la.gov			
Services commenced by this firm (mm/yy)	07/22	**Total consultant contract cost ($1,000's)**		$1,500
Services completed by this firm (mm/yy)	N/A	**Cost of consultant services provided by this firm ($1,000's)**		n/a

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

As a sub-consultant to Arcadis, Grey Engineering serves as the Complete Streets Lead to ensure all projects meet the needs of all possible road users such as pedestrians, bicyclists, transit users, and people with mobility or vision impairments with a heavy focus on safety. April Renard is the Principal/Owner of the firm and with her past experience in motorized and non-motorized user safety, her technical background dealing with the analysis of safety data will help ensure the most effective strategies are deployed.

Firm members involved include: April Renard

17. Firm Experience:

Grey Engineering, LLC	**Past Performance Evaluation Category(ies)***	Road

MOVEBR US 61 / Scenic Highway Enhancement

Firm responsibility (prime or sub?)	Prime

Project number	20-EN-HC-0006	**Owner's name**	City of Baton Rouge – Parish of East Baton Rouge
Project location	Scotlandville, LA	**Owner's Project Manager**	Tom Stephens
Owner's address, phone, email	1100 Laurel Street, Baton Rouge, LA 70802 / 225.389.3186 / tstephens@brgov.com		

Services commenced by this firm (mm/yy)	10/20	**Total consultant contract cost ($1,000's)**	$632
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$22

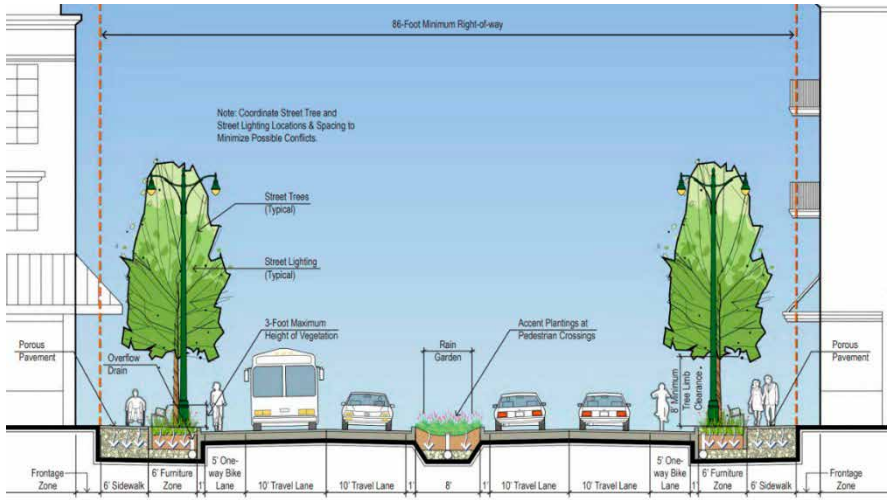
Describe the project including the firm's role and members involved. (Highlight members to be used in this proposal.)

Grey Engineering, LLC is responsible for preliminary engineering services for US 61 / Scenic Highway from LA 408 / Harding Boulevard to Swan Avenue. The scope of work includes a traffic study, drainage design and green infrastructure report, preliminary typical sections, plan and profile sheets, a design study, and preliminary design report. Project concepts are constrained by existing Right-of-Way and limited budget.

Traffic Study: Grey Engineering, LLC worked with Arcadis to produce a traffic study that meets the requirements of the LADOTD Traffic Engineering Process and Report.

Green Infrastructure Report: Due to the ultimate destination of the watershed being Monte Sano Bayou, water quality improvements such as biofiltration beds are being considered along the length of the project to filter stormwater runoff.

Typical Sections and Design Study: The proposed typical section will incorporate ADA compliant sidewalks, bike facilities, traffic calming countermeasures, transit stop improvements, and pedestrian crossing improvements. The design study will include a proposed typical section, plan and profile sheets, intersection geometry and a preliminary engineering cost estimate. In addition, safety improvements will be incorporated at the intersection of Scenic and Harding Boulevard.



Firm members involved include: April Renard

17. Firm Experience:

Grey Engineering, LLC	**Past Performance Evaluation Category(ies)***	Traffic

Airline Highway Honeywell Safety Assessment

Firm responsibility (prime or sub?)	Sub

Project number	N/A	**Owner's name**	Urban Systems, Inc.	
Project location	Baton Rouge, LA	**Owner's Project Manager**		Nicole Stewart
Owner's address, phone, email	2000 Tulane Avenue, Ste 200, New Orleans, LA 70112 / 504.523.5511 ext. 3969 / nhstewart@urbansystems.com			
Services commenced by this firm (mm/yy)	04/22	**Total consultant contract cost ($1,000's)**		Unknown
Services completed by this firm (mm/yy)	06/22	**Cost of consultant services provided by this firm ($1,000's)**		$4.5

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

As a sub-consultant to Urban Systems, Inc., Grey Engineering served as the safety subject matter expert and performed a safety assessment for the entrance of the Honeywell Universal Oil Products. The safety assessment report provided recommendations to prevent crashes and mitigate traffic queueing at the gate which could potentially contribute to crashes on a high-speed urban arterial.

Firm members involved include: April Renard

17. Firm Experience:

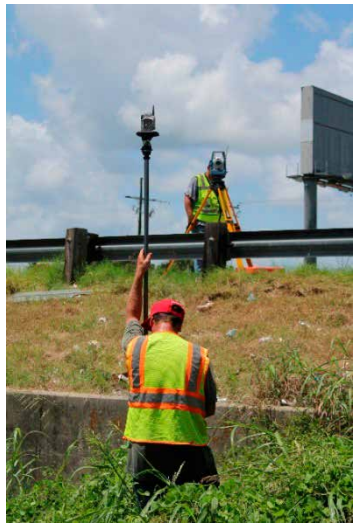
Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey

I-10: LA 415 to Essen Lane on I-10 and I-12	Firm responsibility (prime or sub?)	Sub

Project number	H.004100	**Owner's name**	Louisiana Department of Transportation and Development
Project location	West and East Baton Rouge Parish, LA	**Owner's Project Manager**	Nicholas Olivier
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802 / 225.379.1133 / nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	01/18	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	Ongoing	**Cost of consultant services provided by this firm ($1,000's)**	$296

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 category included in the advertisement, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: This project is located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, Lousiana. A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits.



CD&C's Role: CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415. **This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.**

Members Involved: Karla E. Weston, P.E.; Ralph Burgess, PLS, Christopher Ballard, PLS; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D scanning technician; John Ewing, Survey Tech.

Performed in LA: 100%

17. Firm Experience:

Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey

I-10: TX State Line East of Coone Gully	Firm responsibility (prime or sub?)	Sub

Project number	H.003284.5	**Owner's name**	Louisiana Department of Transportation and Development
Project location	Calcasieu, LA	**Owner's Project Manager**	Stanley Ard, PLS
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802 / 225.379.1292 / stanley.ard@la.gov		
Services commenced by this firm (mm/yy)	10/15	**Total consultant contract cost ($1,000's)**	N/A
Services completed by this firm (mm/yy)	12/18	**Cost of consultant services provided by this firm ($1,000's)**	$443

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 category included in the advertisement, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: This was a 6-lane widening project on I-10 in Calcasieu Parish. The project limits extended from the foot of the Sabine River Bridge (approximately 0.5 miles east of the state line) to a point approximately 2000 feet east of the beginning of the existing 6-lane section (located East of Coone Gully). The survey width of the project was from apparent right of way to apparent right of way and 500 feet past the gore along each of the on and exit ramps.

- In 2018, CD&C was supplemented to extend the original limits of this survey approximately 1500' and to pick up several other areas of additional topographic updates.

CD&C's Role: CD&C performed a complete topographic survey in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation Procedures for this project. A topographic survey was already completed at all bridge sites located within the limits. The survey included all utilities with depths and information, all drainage structures, and all survey DTM and improvement features that fell inside the survey limits. Due to traffic concerns **3D Terrestrial Scanning was utilized for the location of roadways and traditional means and methods were used to complete the topographic survey on this project.** The final submittal of the survey was a combination of the supplied data from LADOTD for the bridges with the current survey that was completed for this project.

Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS, Survey Manager; Christopher Ballard, PLS, Survey Project Manager; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D Scanning Technician; John Ewing, Survey Technician, Scott Benton, 3D Scanning Technician.

Performed in LA: 100%

17. Firm Experience:

Civil Design & Construction, Inc.	Past Performance Evaluation Discipline(s)*	Survey

Verot School Road	Firm responsibility (prime or sub?)	Sub

Project number	H.011235	Owner's name	Louisiana Department of Transportation and Development

Project location	Lafayette, LA	Owner's Project Manager	Thomas Gattle

Owner's address, phone, email	922 W. Pont Des Mouton Rd., Lafayette, LA 70507 / 337.234.3798 / tgattle@huvalassoc.com

Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	01/18	Cost of consultant services provided by this firm ($1,000's)	$435

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 category included in the advertisement, then indicate which past performance evaluation discipline(s) this project is being used to represent.

Project Description: This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, Louisiana. The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map. This included a complete topographic survey of all utilities with depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project.

CD&C's Role: CD&C performed a complete topographic survey of the project site by using **3D Terrestrial Scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits.** Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and also meet with safety advisors for the industrial business that were impacted. The survey included coordination with the ongoing I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. CD&C also researched and compiled an existing right of way linework for the prime consultant to use for exhibits for the project. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

Members Involved: Karla Weston, PE; Ralph Burgess, PLS Survey Manager; Christopher Ballard, PLS Survey PM; John Ewing, Survey Tech; Trent Norris, 3D Scan Tech; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief.

Performed in LA: 100%

18. Approach and Methodology:

The Gresham Smith Team

Gresham Smith has compiled an extremely qualified team for this project. Gresham Smith is experienced in performing design plans for signing, striping and pedestrian improvements through the Local Road Safety Program / Safe Routes To Public Places Program (LRSP/SRTPPP) for the LADOTD Safety section for over 8 years. To streamline the design efforts, Intelligent Transportation Systems, LLC (ITS), will lead the traffic portion of this project and work concurrently with the Gresham Smith staff developing the roadway plans. ITS is experienced in performing traffic studies and working with adaptive traffic signal systems, specifically those in Lake Charles Louisiana. Gresham Smith is also experienced in performing traffic studies, having previously held Traffic IDIQ contracts for LADOTD in the past, and designing traffic signals for LADOTD, including the LCG Adaptive Traffic Signal Project (H.012018.5) that was recently completed for the installation of 78 Adaptive Traffic Signal Controlled (ATSC) intersections in Lafayette Louisiana and will support ITS with the traffic portions of the project. Grey Engineering will add additional ADA expertise to our team, ensuring that all ADA requirements are met in our designs and performing a thorough QA QC of our final plans. Civil Design and Construction (CD&C) will provide topographic and boundary surveying, if needed, to assist our team on this project.

Background

The focus of this project is to improve the safety and mobility for both the vehicular and non-vehicular (pedestrians and bicyclists) traffic through the project limits. The systematic improvements to the traffic signals as well as adding adaptive traffic signal control to the intersections will improve progression for vehicular traffic which in turn will reduce congestion and improve safety. ADA improvements, enhanced signing and striping, pedestrian signal heads and push buttons, and raised medians will improve safety and mobility for the pedestrians. The reduction of driveways (access management) lowers the potential conflict points for both vehicles and pedestrians, minimizing the likelihood of crashes. All of these improvements are similar to aspects of many of the projects we have designed for LADOTD under our LRSP/SRTPPP contract.

Traffic Engineering Study/Stage 0 Update

This project will begin with the traffic engineering study update. This update will be performed to modify the Stage 0 that had previously been completed to include the additional costs of the proposed medians through the project limits and also the savings benefits those medians will create in the reduction of crashes through the project limits. Additionally, the driveways that are recommended for removal will be removed through the study limits and traffic will be redistributed to the driveways that remain and rerouted through the roadway network so that additional analysis may be performed In accordance with LADOTD's Traffic Engineering Process and Report (TEPR). Once this has been completed the Stage 0 Preliminary Scope and Budget Checklist will be updated.

Design

We will hold a pre-design kickoff meeting to discuss project scope and major discussion points. This meeting will consist of members of Gresham Smith's design team, along with representatives from all LADOTD Sections involved, the LADOTD Project Manager and District 07, where the project is located. The first step in the design process will be the review of the initial topographic survey which is to be furnished by DOTD or others. We will work with the surveyor in order to verify that all project limits and elements have been fully covered. Should we get to a point in the design of the project that it is determined that additional survey will be needed, our team member Civil Design & Construction will be available to provide any supplemental surveying services deemed necessary.

The Preliminary Plan Design process is expected to be comprised of a 30%, 60%, 90% and 100% plan submittal. An estimate of construction cost based on estimated quantities will be included with each submittal. Additionally, a Plan-in-Hand meeting will be held following the 90% Preliminary Plan submittal.

The 30% submittal will consist of the Title Sheet, Proposed Typical Section, and Plan Profile Sheets. Subgrade Soil survey information will need to be requested at this point. The plans will undergo a geometric review. The design of the projects should take into consideration existing utilities and existing right of way. A review of Google Maps indicates that there are many overhead power poles in the existing sidewalks along Ryan Street. Without the ability to relocate these poles

providing ADA compliant sidewalks will prove challenging. In addition, one of the signal mast arms is in the existing sidewalk at the Ryan Street and Sale Road Intersection and appears to be a new installation. However, we do have some options to mitigate these issues. We will consider relocating the sidewalk offset from back of curb with a buffer space, depending on right-of-way availability. It will be a combination of considering impacts while providing a safe, ADA compliant solution. A good design looks to accomplish the scope of the project but also minimize impacts to utility relocation and right of way acquisition.

The 60% submittal will consist of updated Typical Section and Plan Profile sheets, Drainage Plan Profile sheets along with hydraulic calculations. A design drainage map will be developed and included at this time. The plans will undergo a hydraulics review. This is the point of the project where we will lean on our experience in designing multiple sidewalk projects in recent years under DOTD's Safe Routes to Public Places Program (SRTPPP). This includes the design of sidewalks for the Ouachita Parish Police Jury and the Town of Farmerville. In each of these projects, sidewalks needed to be added and/or replaced and coordinated with sub-surface drainage design. The bulk of our preliminary sidewalk layout design and drainage design along McNeese St (LA 3186) from Louisiana Ave to Ryan St (LA 385) and up to Eddy St to the north will be completed at this stage of the plan development.

The 90% submittal will build upon this design incorporating any comments from previous submittals. We will focus our attention on verifying that all design elements are meeting or exceeding ADA requirements for both width and slope of sidewalks at all locations. We will confirm the access management improvements such as the reduction of driveways, and verify that all handicapped curb ramps proposed at the many side streets and intersections are appropriately designed for the conditions and meet ADA requirements. This plan submittal will also add suggested sequence of construction sheets and suggested temporary erosion control sheets to the plans. The plans will also include geometric details, cross sections (including existing and required right of way and existing utilities), and summary tables. This is the first major plan submittal. A Plan-in-Hand meeting and site visit will be scheduled at least three weeks following the submittal. This meeting will be attended by the Gresham Smith design team, along with representatives from both LADOTD and District 07. Any design waivers or design exceptions needed for the project will be submitted at this time.

The 100% Preliminary Plan submittal will have addressed all Plan-in-Hand comments and consist of the Final ROW taking lines in order to initiate the ROW Map development, if necessary. A Joint Plan Review Meeting will be held at this time to discuss the Base ROW Maps.

Final Plans are not a part of initial services and we will not be able to proceed with Final Plans until environmental has been cleared.

However, once we get to this point, the Final Design process is expected to be comprised of a 60%, 95%, 98% and 100% submittal. All Final Plan submissions will consist of the full plan set. An estimate of

30% Preliminary Plans	60% Preliminary Plans	90% Preliminary Plans	60% Final Plans	95% Final Plans	98% Final Plans	100% Final Plans
Secure Traffic Data for typical section and turning lane designs Review of topographic survey and existing site conditions Title Sheet, Proposed Typical Section, Plan Profile Sheets Request Subgrade soil survey and PH and Resisitivity	Hydraulics/Drainage Calculations Drainage Plan Profile Sheets Preliminary Design Report Preliminary sidewalk layout/design Limits of Construction	Plan-in-Hand Meeting List of potential items, Summary Sheets with tables set up, suggested sequence of construction Final Design Report Initial Design Exception or Waiver request (if necessary) Required Right-of-Way	Property survey and ROWMaps Joint Plan Review Meeting Revised Final Design Report (if necessary) Final Hydraulics Review	Constructability/ Biddability Review Draft Technical Provisions with cover sheet (as applicable) Revised Final Design Report (if necessary) Cost Estimate	Area of distrubance, Contract Time Worksheet, SWPPP, Final Plan QC/QA Review Final Technical Provisions Revised Final Design Report (if necessary) Cost Estimate	Signed and Sealed Plans Submitted in electronic PDF and one reproducible full size set Revised Fianl Design Report (if necessary) Cost Estimate

construction cost based on estimated quantities will be included with each plan submittal.

The 60% Final Plans will undergo a final geometric and hydraulics review.

The 95% Final Plans are the second major plan submittal of the design process. Gresham Smith will submit a completed Constructability Biddability Review form at this time. Also included is an updated Cost Estimate, Design Report Form, Storm Water Pollution Prevention Plan (SWPPP form), utility conflicts list, completed Contract Time Worksheet and responses to all comments received on previous plan submissions.

The 98% Final Plans will go to the DOTD Contracts & Specifications section for review. The Construction Proposal will be developed at this time. Included with this plan submittal is the updated cost estimate, any needed Design Waiver request form (signed and sealed), any special provision write ups and the Final QA/QC Form. Also, the plans will be sent to the DOTD Plan Quality Unit for a QA/QC Check. The Engineer's Construction Cost Estimate will be finalized at this point.

The 100% Final Plans submittal will consist of furnishing the Full-Size Plan Set. The Plans will be signed, sealed and dated by the Engineer-of-Record.

Traffic Signal Plan Development

Gresham Smith and ITS staff have the International Municipal Signal Association (IMSA) certifications necessary to perform investigations inside the traffic signal cabinets. This inventory information will be vital to the design of the traffic signals and the other field information that is collected from the investigation will assist in the development of traffic signal timing plans and phasing operations for the traffic signal systems.

When the preliminary geometry has been completed and the locations of all handicap ramps and lane features has been determined, the traffic signal design will begin with preliminary locations for potential mast arms and poles, traffic signal cabinets, pedestrian push buttons and all other traffic signal equipment. Once potential locations are identified and reviewed in the field, our team will work with LADOTD for any supplemental topographic survey information or any geotechnical investigation that are necessary to complete the traffic signal design.

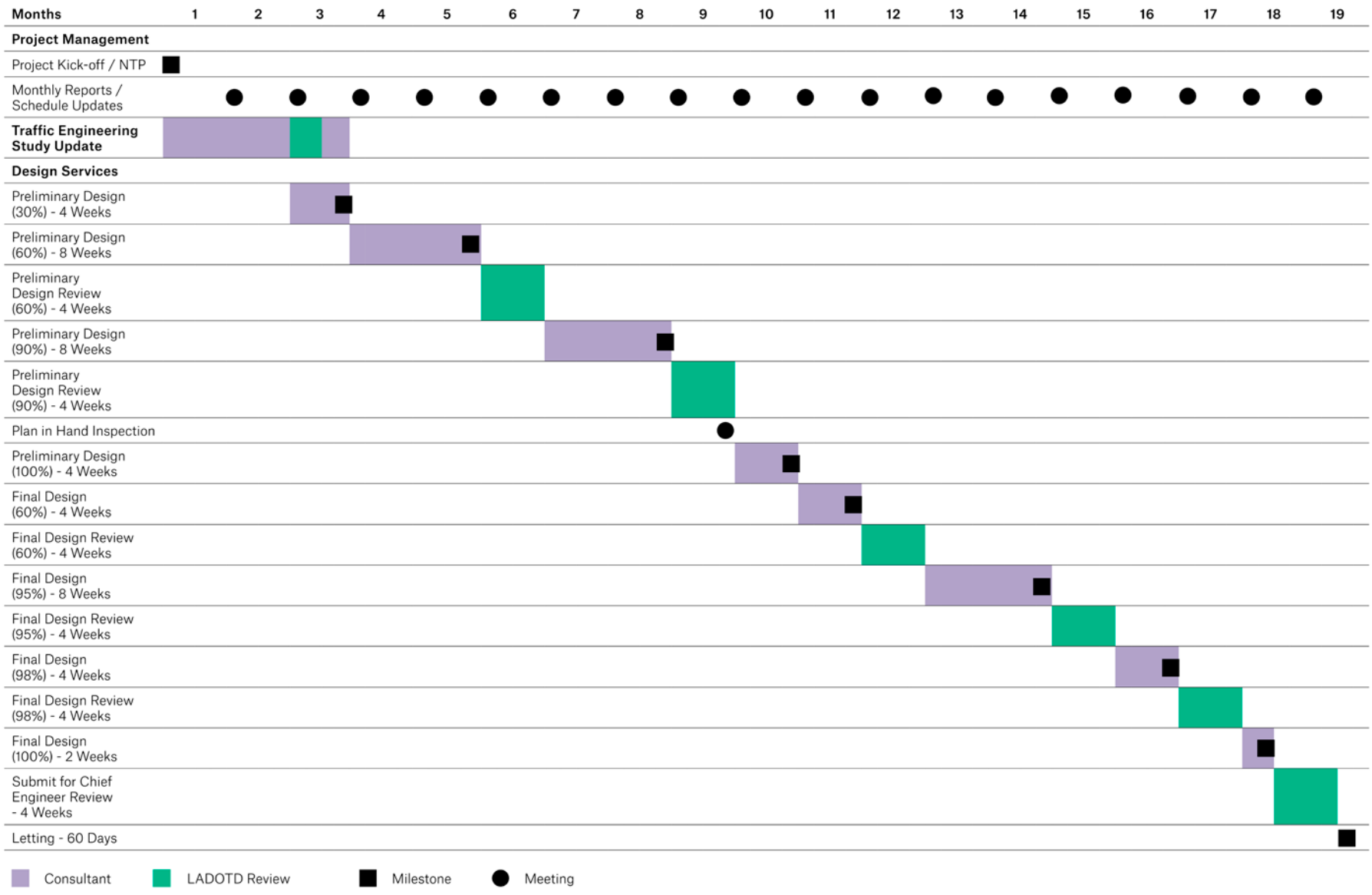
Final plans will be completed with the required components necessary to implement the ATSC system which will be the Cubic Synchro Green Adaptive Traffic Signal System which is consistent with the system that is already in place in Lake Charles. Vehicle detection at each intersection will be designed to specifically work for the adaptive system. The detection will be designed to cover all approaches at the stop bar and advanced detection on the mainline approaches set back from the stop bar. District 07 prefers to use radar detection for their adaptive system and this design will likely call for the Wavetronix Matrix units for stop bar detection and the Wavetronix Advance units for the advanced detection.

Pre-Construction Support

Once the project is signed and sealed, Gresham Smith will work with DOTD to address any Falcon questions which may arise during the construction advertisement period. If any Falcon questions result in plan revisions, we will work quickly to complete any necessary work to maintain the letting date. After the project is let, Gresham Smith will review the construction bid and compare it to the engineer's opinion of probable construction costs that will be submitted with the 100% Final Plans. Gresham Smith is very experienced in utilizing LADOTD's publicly available Bid History Estimate Tool spreadsheet. The low bids for projects in our current LRSP/SRTS retainer contract generally fall within 10% of our construction cost estimates. The following projects are examples of estimate-to-bid ratios from our current contract.

Project No.	Project Name	Low Bid	Engineer's Estimate	% Difference
S.P.H.009297	Ouachita Par. Police Jury Sidewalks	$864,623.95	$786,953.57	9.9%
S.P.H.012297	McMillan Road/Blanchard Street Improvements	$107,515.92	$114,968.82	6.5%
S.P.H.013079	Town of Farmerville Sidewalks	$718,535.10	$690,605.29	4.0%
S.P.H.012279	Endom Bridge Approach Realignment	$857,591.66	$813,483.09	5.4%

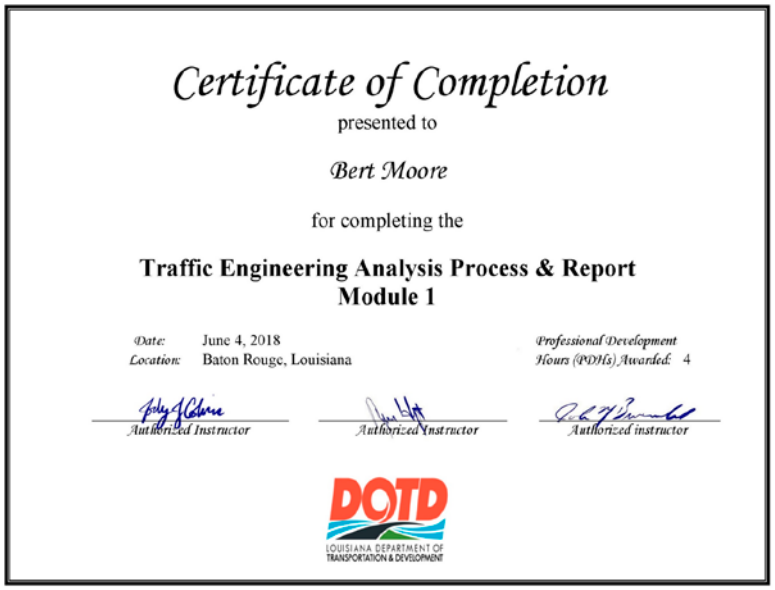
Termini	LA 385: Ryan Street Intersection Improvements
Location	Calcasieu, LA
Scope	Intersection Improvements
Notice to Proceed	TBD
Kick-off Meeting	TBD
Due Date	TBD



19. Workload:

Firm	Past Performance Evaluation Disciplines(s) *	State Project Number	Project Name and Location	Remaining unpaid balance**
4400005890 - LADOTD Retainer Contract for Traffic Engineering				
Gresham Smith	Traffic	H.012018.5	Lafayette Adaptive Traffic Signals	$128,307
Gresham Smith	Road	H.013271.5-2	LRSP/SRTS Tangipahoa Striping and Signage (For Construction Support Services)	$7,414
Gresham Smith	Road	H.012279.5	LRSP/SRTS Endom Bridge Construction Support Supplement	$4,326
Gresham Smith	CE&I/OV / ITS	H.011500.6	Lake Charles ITS Phase 3	$4,758
Gresham Smith	CE&I/OV / ITS	H.012381.6	Fiber Optic Mapping and Management Services - Calcasieu, Jefferson, Orleans, Ouachita, Plaquemines and St. Charles	$356,855
Gresham Smith	Bridge	H.009730.5	Complex Bridge Inspection TO#4	$154,243
Gresham Smith	Bridge	H.009730.5	Complex Bridge Inspection TO#5	$152,599
Gresham Smith	Road	H.013720.5	LRSP - Bonner Street Bridge Pedestrian Improvements	$13,899
Gresham Smith	Road	H.013767.5	LRSP Signs and Striping - St. Landry and St. Martin Parishes	$50,674
Gresham Smith	Road	H.012527.6	LRSP/SRTS West Feliciana Signs, Striping and Guardrail Construction Support Supplement	$3,721
Gresham Smith	CE&I/OV	H.009308.6	TO#1 New Orleans DPW SRTS Sidewalk Project	$38,538
ITS, LLC	ITS	H.013256.5	I-10 ITS Scott to Lake Charles - Design	$13,520
ITS, LLC	ITS	H.013256.6	I-10 ITS Scott to Lake Charles - Construction	$15,751
ITS, LLC	ITS	H.014515	511 & ATMS SEA	$28,379
ITS, LLC	ITS	H.014513.1	Lafayette Regional ITS Architecture	$2,564
ITS, LLC	ITS	H.013710.6	I-10: US61 to LaPlace Deployment	$20,284
ITS, LLC	ITS	H.012381.5	ITS FMS Data Collection/Inventory Services	$81,407
ITS, LLC	ITS	H.011152	I-12- US 190 to LA 59	$49,382
ITS, LLC	CE&I/OV / ITS / Traffic	H.007160	EBR Computerized Signal Phase VB	$104,086
ITS, LLC	ITS	H.001234.6	LA1 Port Allen Canal BR Replacement	$16,243
ITS, LLC	ITS	H.013868.6(A)	ITS Routine Maintenance Engineering and Inspection (ME&I)	$689,907
ITS, LLC	ITS	H.013868.6 (B)	ITS Responsive/Emergency ME&I Statewide	$133,211
ITS, LLC	ITS	H.013868.5	ITS Maintenance Program Management and Operations	$64,698
Grey Engineering	Planning	4400023690	IDIQ Contract for Safety Studies	$0
Civil Design & Construction	Surveying	4400017597	Rural Bridge Replacement Initiative (Districts 03, 07, 61, 62)	$4,335
Civil Design & Construction	Surveying	4400017091/ TO-2	LWI Statewide Modeling R5 – Task Order #2	$96,970
Civil Design & Construction	Surveying	4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	$246,123

20. Certifications/Licenses:



Certificate of Completion

presented to

Bert Moore

for completing the

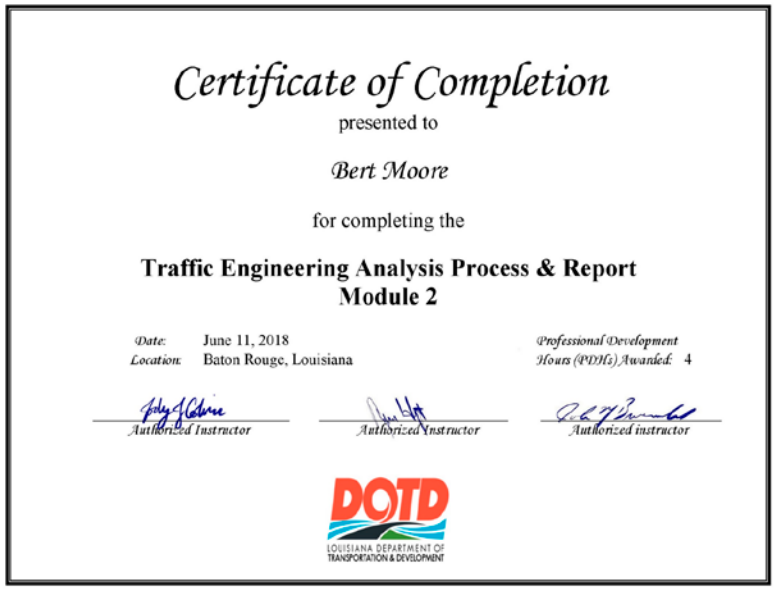
Traffic Engineering Analysis Process & Report
Module 1

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

Bert Moore

for completing the

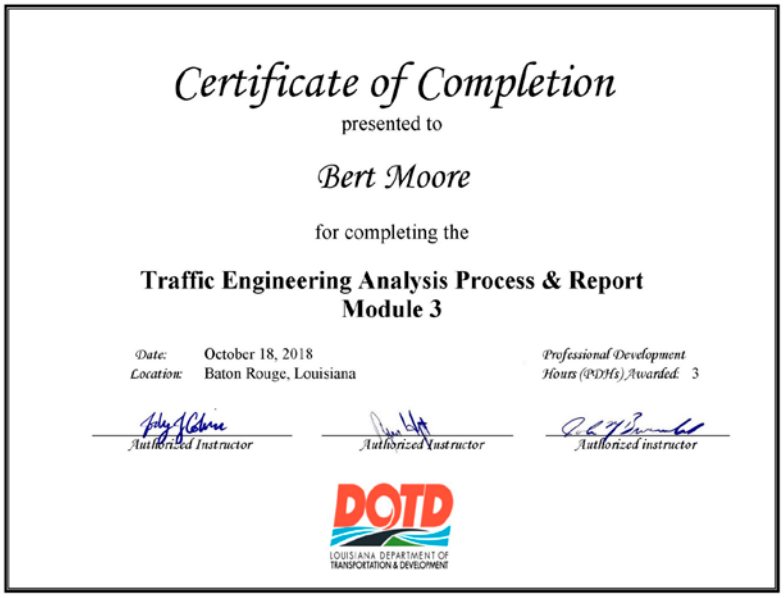
Traffic Engineering Analysis Process & Report
Module 2

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

Bert Moore

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department of Transportation
Federal Highway Administration

Federal Highway Administration
RESOURCE CENTER

Certificate of Completion

BERT MOORE

has successfully completed the course entitled:

Designing Pedestrian Facilities for Accessibility (DPFA)

Location: Baton Rouge, Louisiana
Dates: May 08-09, 2017

Hours of Instruction enhancing Professional Development: 12 hrs

Patrick E. Gomez
Civil Rights Specialist
Federal Highway Administration

Ted Green
Professional Engineer
New Jersey LTAP

Gresham Smith

Certificate of Training

PRESENTED BY

The National Cooperative Research Program

TO CERTIFY THAT

Herbert Moore

HAS SATISFACTORILY COMPLETED 20 HOURS OF TRAINING IN:

Highway Safety Manual Workshop

NCHRP 17-38

Karen K. Dixon, PhD, P.E.
Ida van Schalkwyk, PhD
Larry F. Sutherland, P.E.
Instructors

LOUISIANA'S ON THE MOVE. DOTD BUILDS THE WAY

December 1-3, 2010
Date

Baton Rouge, Louisiana
Location

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Bert Moore

HAS SATISFACTORILY COMPLETED 3 PROFESSIONAL DEVELOPMENT HOURS IN:

Regional Crash Data Workshop

Director of Louisiana LTAP Center

LOCAL TECHNICAL ASSISTANCE PROGRAM LTAP

February 23, 2017
Date

Baton Rouge, Louisiana
Location

The American Traffic Safety
Services Association

Hereby recognizes that

Herbert Moore
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/13/2019 to 4/13/2019
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION

SLOW

This is to affirm that
Herbert Moore
has satisfied the requirements
to be designated as a
CERTIFIED FLAGGER

Expiration Date 4/25/2023 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

Gresham Smith

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

BRENNON HUGHES

has participated in

FHWA-NHI-380096V Modern Roundabouts: Intersections Designed for Safety

hosted by

LA DOTD/LTRC

Date: *September 8 and 9, 2020* *Hours of Instruction:* 6

Location: *Virtual Delivery*

Ken Tibbs, P.E.
Instructor

Allison H. Landry
Local Coordinator

Instructor

Thomas Harman
Thomas Harman, Director
National Highway Institute

The American Traffic Safety Services Association

Hereby recognizes that

Brennon Hughes
has attended
Traffic Control Supervisor-LA State Specific
Training Course

07/26/2018
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

Ryan A. Wentz
President, CEO

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

SLOW

This is to affirm that

Brennon Hughes

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 4/28/2023 *State Issued in* LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

Certificate of Attendance

presented to

Brennon Hughes

for attending

Advanced Highway Safety Manual Training –
Interactive Highway Safety Design Model (IHSDM)

16 Professional Development Hours

June 5-6, 2018

Baton Rouge, Louisiana

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gresham Smith

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

Brennon Hughes

has participated in

FHWA NHI #380091V
Planning and Designing for Pedestrian Safety

hosted by

Louisiana DOTD

Date: October 25thru 28, 2021
Location: Online Virtual Delivery

Hours of Instruction: 18

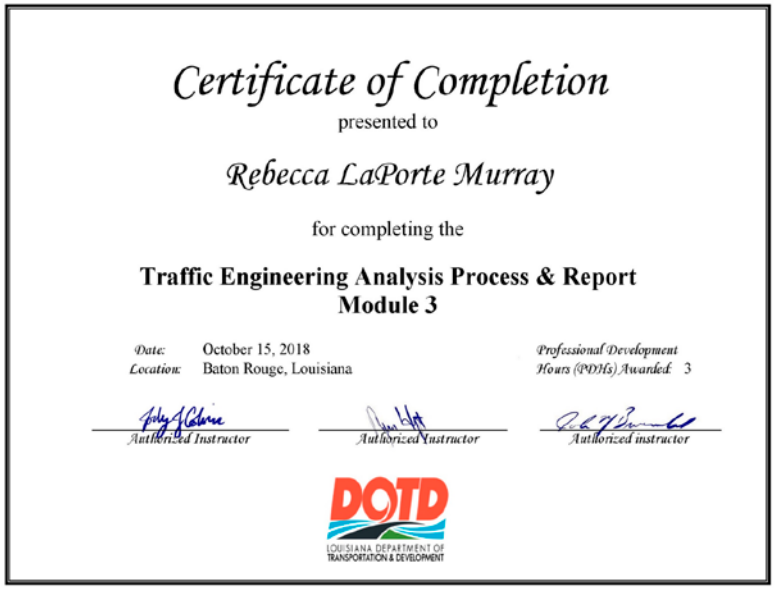
Joe Gilpin Digitally signed by Joe Gilpin Date: 2020.12.03 23:15:13 -05'00'
Instructor

Keith Sinclair Digitally signed by Keith Sinclair Date: 2020.12.03 23:16:51 -05'00'
Instructor

Allison H. Landry, CGMP
Local Coordinator

Thomas Harman
Thomas Harman, Director
National Highway Institute

Gresham Smith



Certificate of Completion

presented to

Rebecca LaPorte Murray

for completing the

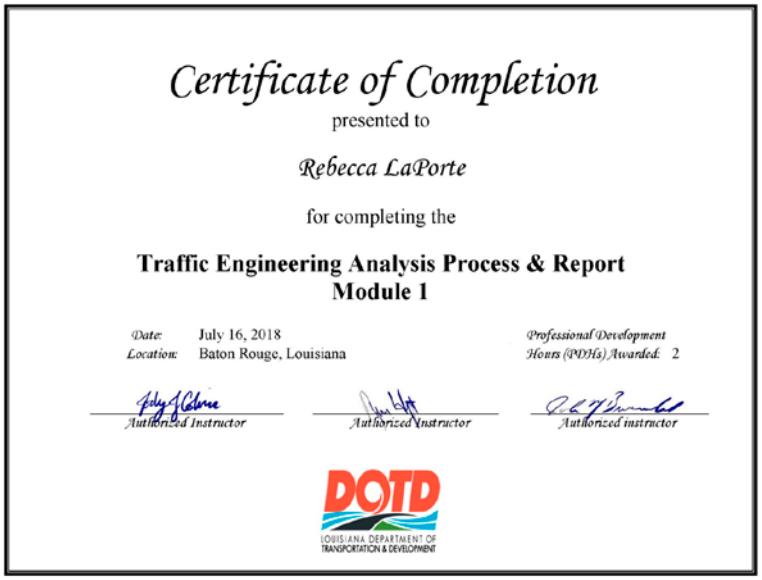
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Rebecca LaPorte

for completing the

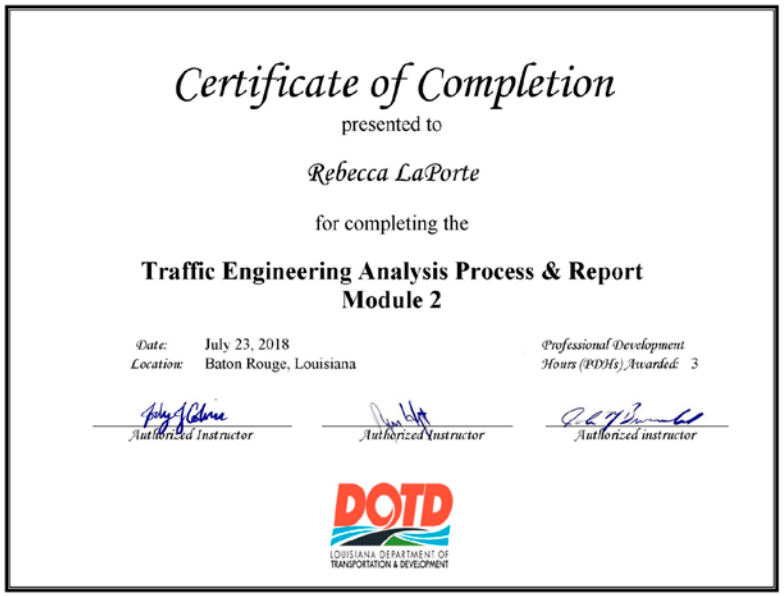
Traffic Engineering Analysis Process & Report
Module 1

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

Rebecca LaPorte

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 Attendance

presented to

Rebecca LaPorte

for attending

Advanced Highway Safety Manual Training –
Interactive Highway Safety Design Model (IHSDM)

16 Professional Development Hours

June 5-6, 2018

Baton Rouge, Louisiana

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gresham Smith

The American Traffic Safety Services Association

Hereby recognizes that

Rebecca Murray

has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

2/14/2020 to 2/14/2020
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

Rebecca Murray

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 2/8/2024 State Issued in LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

The American Traffic Safety Services Association

Hereby recognizes that

Rebecca LaPorte

has attended

Traffic Control Supervisor-LA State Specific

Training Course

1/13/16 to 1/14/16
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

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

Mr. Clarke Phillip Chauvin

License/Certificate Type - Number
PE.0041770

Expiration Date
09/30/2023

Status: Active

The American Traffic Safety Services Association

Hereby recognizes that

Clarke Chauvin

has attended

Traffic Control Technician-LA State Specific

Training Course

10/14/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Transportation Professional Certification Board, Inc.

certifies that

Clarke Phillip Chauvin

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 4337 issued in Washington, DC, USA

11/20/17

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Michael K. Park
Chair

Jeffrey F. Paniati
Executive Director

The American Traffic Safety Services Association

Hereby recognizes that

Clarke Chauvin

has attended

Traffic Control Supervisor-LA State Spec

Training Course

10/16/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Gresham Smith

Certificate of Completion

presented to

Clarke Chauvin

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

Clarke Chauvin

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

Clarke Chauvin

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

Gresham Smith

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

Mr. Jonathan Nicolas Fox

License/Certificate Type - Number
PE.0033277

Expiration Date
09/30/2023

Status: Active

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Technician-LA State Specific

Training Course

08/07/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Jonathan Nicolas Fox
Intelligent Transportation Systems LLC
20405 Highland Rd
Baton Rouge, LA 70817 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 11/7/2022.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 11/7/2022. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Diane W. Morabito

Diane W. Morabito, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Attachments

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Design Specialist - 1 day

Training Course

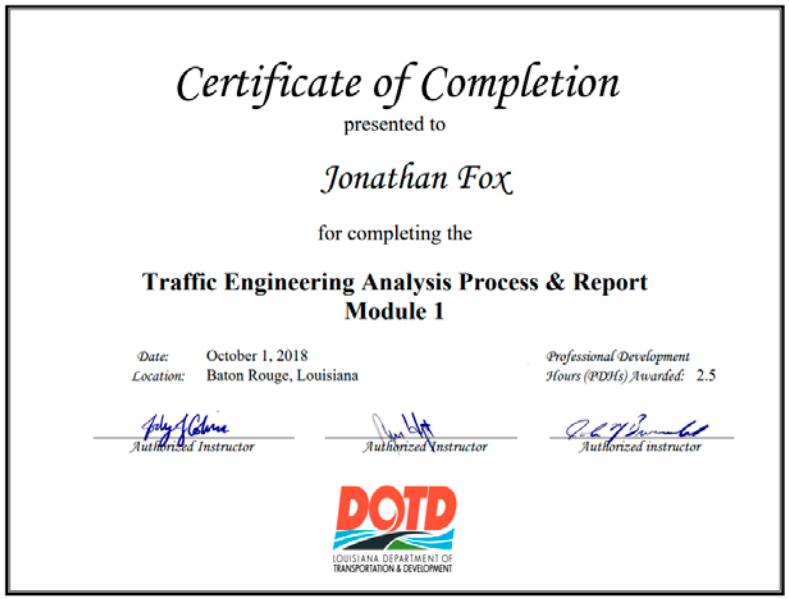
06/22/2015
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO



Certificate of Completion

presented to

Jonathan Fox

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH(s) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The American Traffic Safety Services Association

Hereby recognizes that

Jonathan Fox

has attended

Traffic Control Supervisor-LA State Specific

Training Course

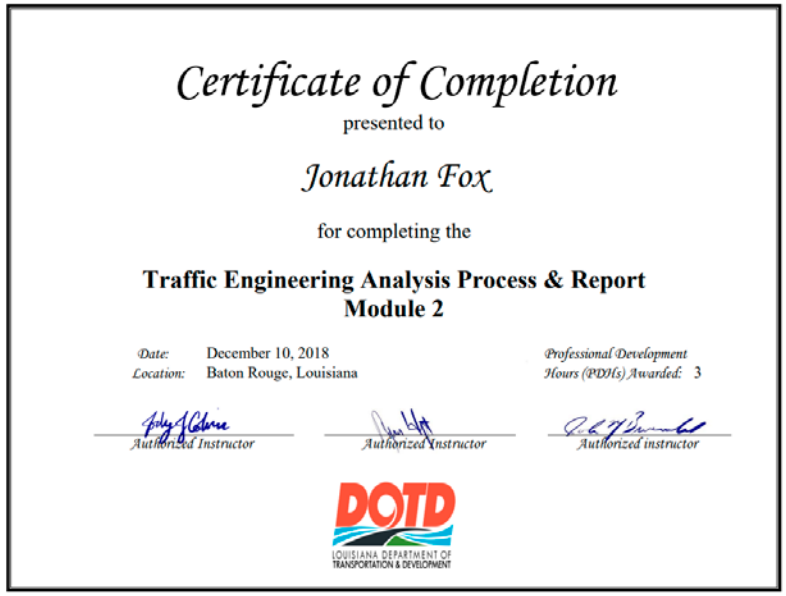
08/09/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO



Certificate of Completion

presented to

Jonathan Fox

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gresham Smith

Certificate of Completion

presented to

Jonathan Fox

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 17, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH(s) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gresham Smith

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

Mrs. Diane Callahan Hammonds

License/Certificate Type - Number	Expiration Date
PE.0040749	09/30/2022

Status: Active

Transportation Professional Certification Board, Inc.

certifies that

Diane C. Hammonds

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 798 issued in Washington, DC, USA

3/14/2022

Deborah Snyder
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Diane Callahan Hammonds

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 4118 issued in Washington, DC, USA

12/19/16

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Kenneth W. Ackeret
Chair

Jeffrey F. Paniati
Executive Director

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Diane Hammonds
has attended
Traffic Control Technician-LA State Specific
Training Course

4/28/2020 to 4/28/2020
Date

Baton Rouge, LA
Location

Vice President of Member Services

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

Gresham Smith

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Diane Hammonds
has attended
Traffic Control Supervisor-LA State Specific
Training Course

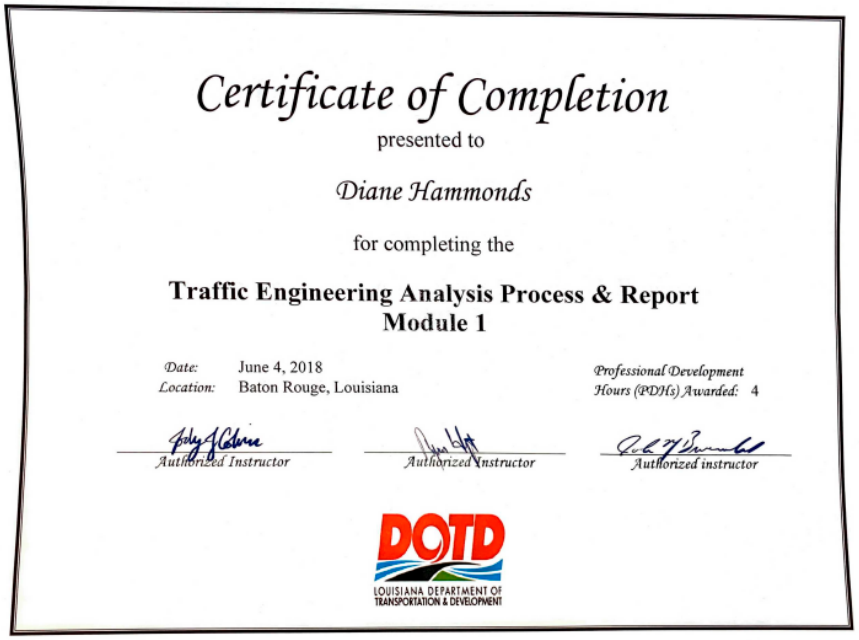
4/29/2020 to 4/30/2020
Date

Vice President of Member Services

Location

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com



Certificate of Completion

presented to

Diane Hammonds

for completing the

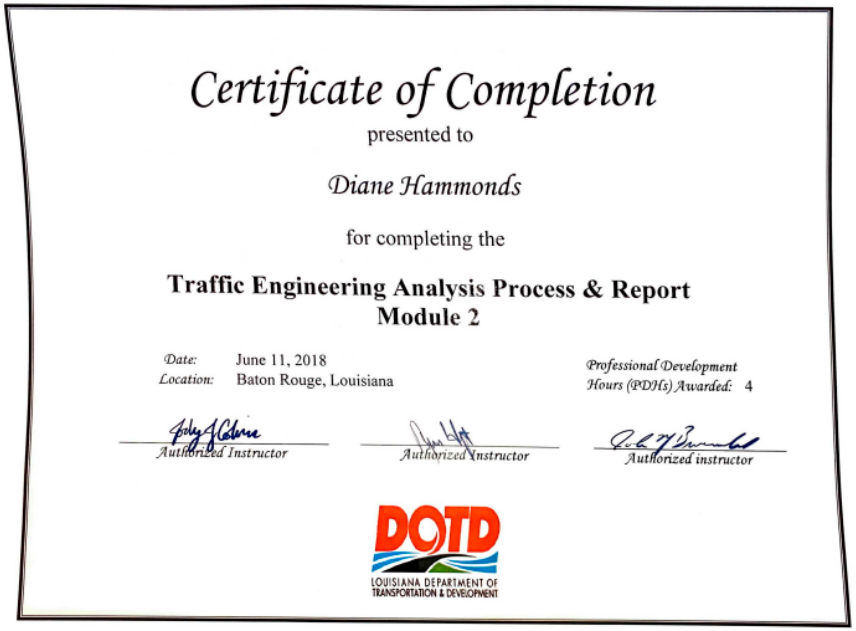
Traffic Engineering Analysis Process & Report
Module 1

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

Diane Hammonds

for completing the

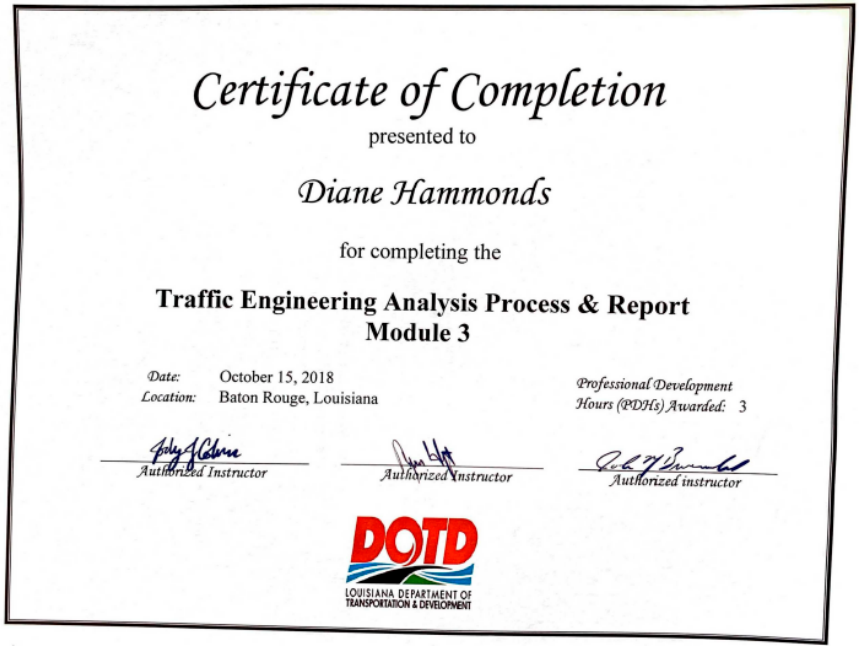
Traffic Engineering Analysis Process & Report
Module 2

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

Diane Hammonds

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

Gresham Smith

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

Mrs. Kimberly Dawn McDaniel

License/Certificate Type - Number
PE.0032973

Expiration Date
09/30/2023

Status: Active

Transportation Professional Certification Board, Inc.

certifies that

Kimberly McDaniel

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 and subject to the provisions for renewal. Certificate number 802 issued in Washington, DC, U.S.A.

3/11/2022

Deborah Snyder, Chair

PTP PROFESSIONAL TRANSPORTATION PLANNER

Jeffrey F. Paniati, Executive Director

Transportation Professional Certification Board Inc.

certifies that

Kimberly D. McDaniel

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 2012 issued in Washington, D.C. U.S.A.

October 2, 2007

Steven D. Hofener, Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

The American Traffic Safety Services Association

Hereby recognizes that

Kimberly McDaniel

has attended

Traffic Control Supervisor-LA State Specific

Training Course

1/13/16 to 1/14/16
Date

Baton Rouge, LA
Location

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES

Gresham Smith

The American Traffic Safety Services Association

Hereby recognizes that

Kimberly McDaniel

has attended

Traffic Control Technician-LA State Specific

Training Course

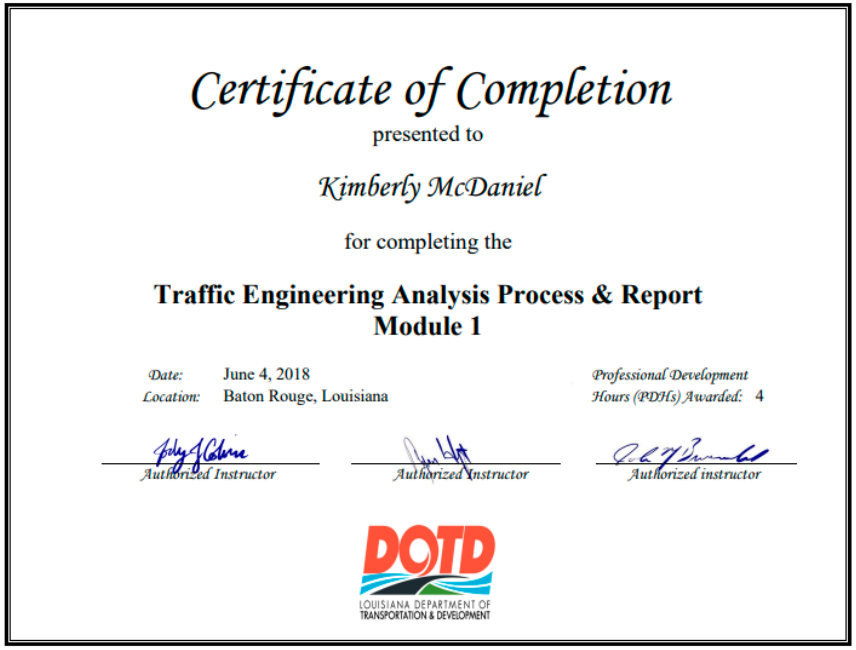
1/12/16 to 1/12/16
Date

Baton Rouge, LA
Location

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES



Certificate of Completion

presented to

Kimberly McDaniel

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

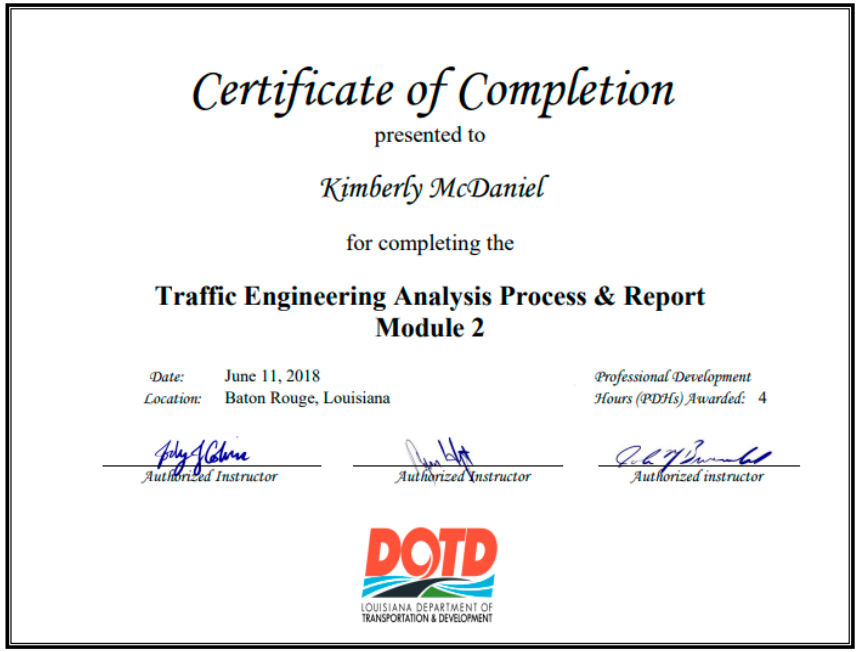
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kimberly McDaniel

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

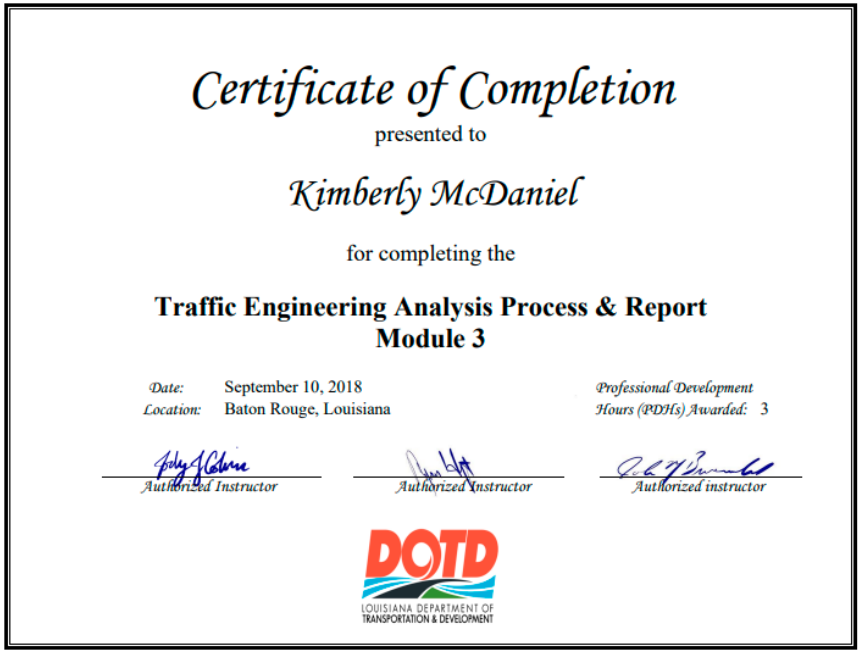
Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kimberly McDaniel

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

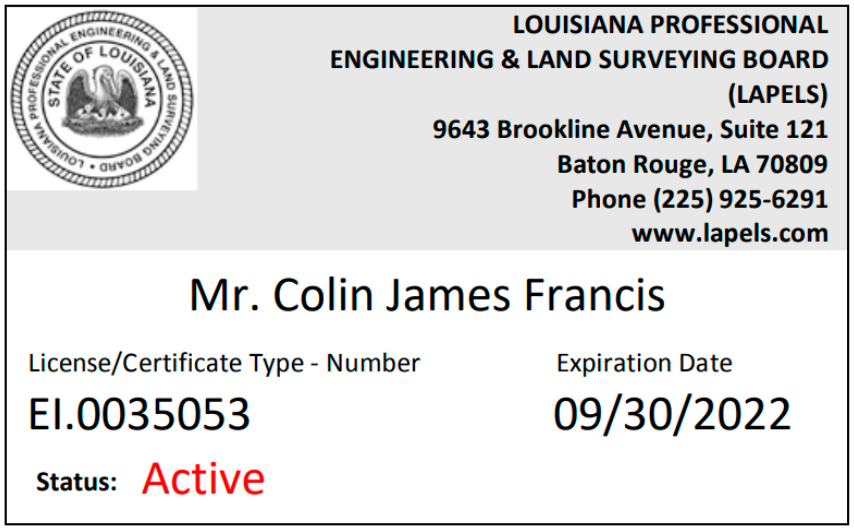
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



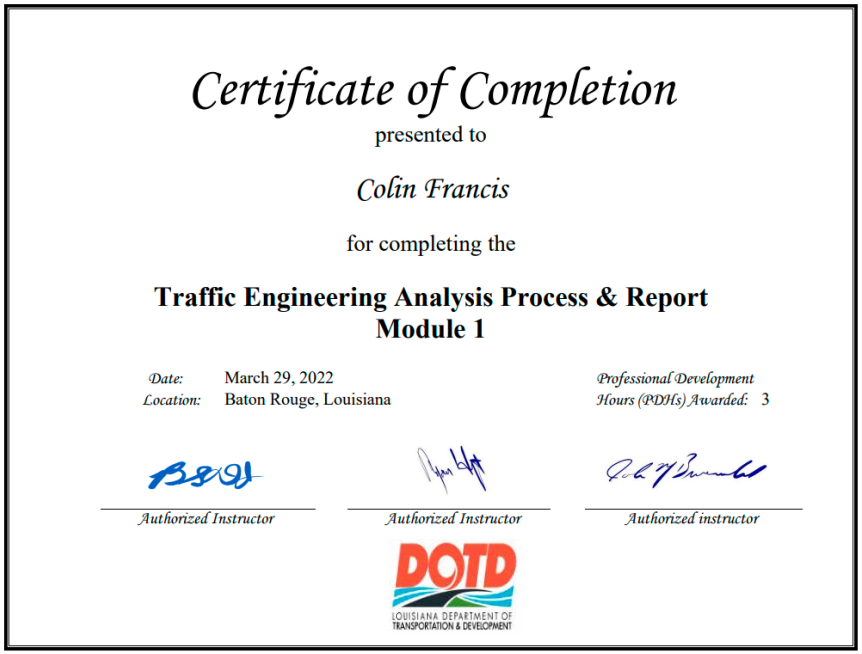
LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Colin James Francis

License/Certificate Type - Number
EI.0035053

Expiration Date
09/30/2022

Status: Active



Certificate of Completion

presented to

Colin Francis

for completing the

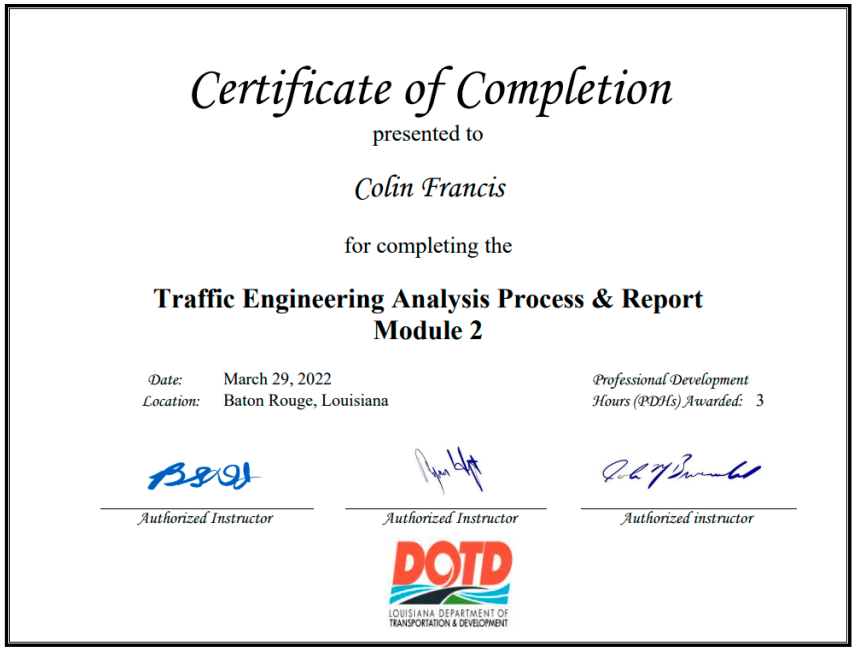
Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
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

Colin Francis

for completing the

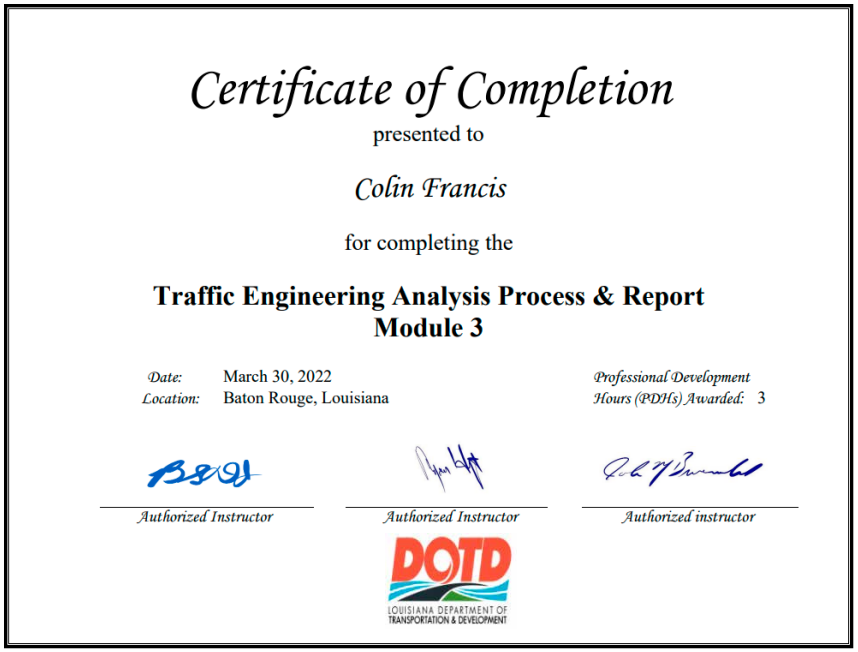
Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
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

Colin Francis

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gresham Smith

RTA

DOTD

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)

Grey Engineering, LLC

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

NC541330, NC541611

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

Certificate Eligibility: June 2022 to June 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Gresham Smith

RTA

DOTD

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)

Civil Design & Construction, Inc.

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

NC541330, NC541340, NC541350, NC541370

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

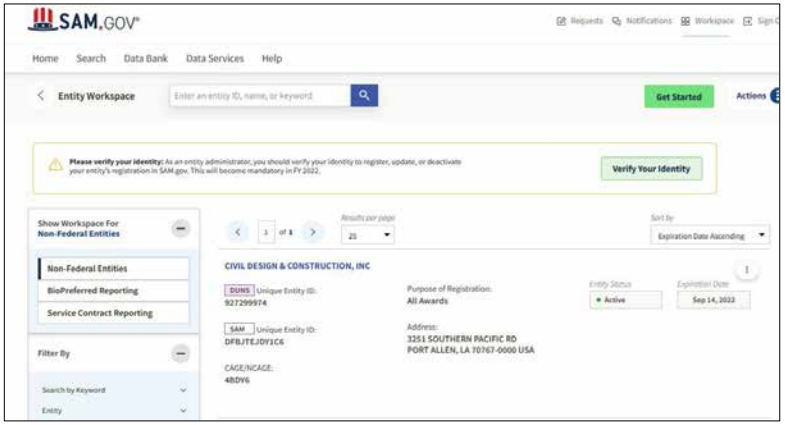
Certificate Eligibility: March 2022 to March 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development



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

Name:	Public Address:
Civil Design & Construction, Inc.	Ms. Karla Weston P.O. Box 857 Port Allen,LA 70767

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003414	ACTIVE	02/27/2006	09/30/2022	Mrs. Karla Ewing Weston # PE.0031010 - Active

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

Name:	Public Address:
Civil Design & Construction, Inc.	Ms. Karla WestonP. O. Box 857 Port Allen, Louisiana 70767

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000555	Active	02/10/2006	09/30/2023	Mr. Ralph D. Burgess # PLS.0005040 - Active

Gresham Smith

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

April 11, 2022

Civil Design & Construction, Inc.
Attn: Karla Weston
PO Box 857
Port Allen, LA 70767

Dear Karla Weston:

The Louisiana Department of Transportation and Development (LADOTD) Compliance Programs Section have received your firm's Disadvantaged Business Enterprise (**DBE**) and Small Business Element (**SBE**) annual affidavit. Based on the information, which you provided, it has been confirmed 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
C05-Structural Engineering
C09-Civil Engineering
NC541340-Drafting Services
C03-Drafting
NC541350-Building Inspection Services
C21-Construction Inspections
NC541370-Surveying and Mapping (except Geophysical) Services
C06-Land Surveying
C12-Right-of-Way
727-Mobilization
740-Construction Layout
CSL-Construction Layout Design

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of $50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, 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. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. 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 **March 31, 2023.** 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 LADOTD has contracted SJB Group, LLC to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Contact Jackie des Bordes or Kenyatta Sparks with the SJB Group, LLC at (225) 769-3400 for any assistance needed to grow your organization.

The Louisiana UCP certifying entity reserves 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. The Louisiana UCP certifying entity also reserves the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success.

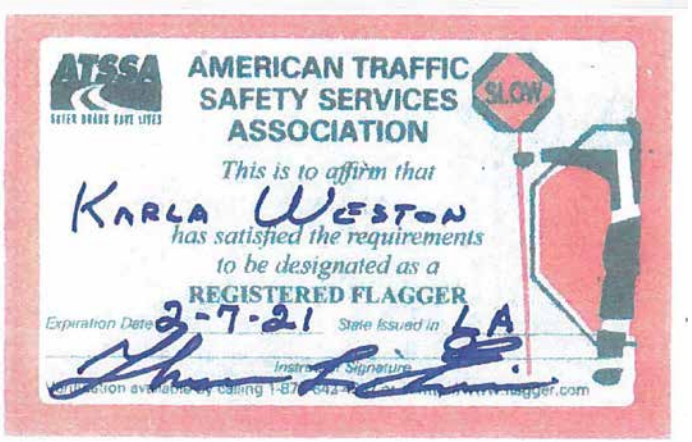
If you have any questions regarding the content of this letter, contact the LADOTD DBE Certification Unit at (225) 379-1382.

Respectfully,

Rhonda Wallace

Rhonda Wallace
DBE/SBE Programs Manager

Enclosure (Certificate)



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

Mrs. Karla Ewing Weston

License/Certificate Type - Number	Expiration Date
PE.0031010	03/31/2024

Status: Active

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

Mrs. Karla Ewing Weston

License/Certificate Type - Number	Expiration Date
PE.0031010	03/31/2024

Status: Active

The American Traffic Safety Services Association

Hereby recognizes that

Karla Weston

has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

02/06/2017
Date

Baton Rouge, LA
Location

Donna M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

ATSSA
SAFER ROADS SAVE LIVES

Gresham Smith

The American Traffic Safety Services Association

Hereby recognizes that

Ralph D Burgess

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/8/2019 to 2/8/2019
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

License Information

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

Name:
Mr. Ralph D. Burgess

Address:
30562 Burgess Road
Denham Springs,LA 70726

License/Certificate Information

License	Status	First Issuance Date	Expiration Date	Listed Discipline(s)
PLS.0005040	Active	05/24/2010	09/30/2022	

View Pocket Card

If you need to change your contact information, click the link below to update your contact info online:
Online Contact Info Update (https://renewals.lapels.com/Activities/Listing.aspx?ID=40)

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

Mr. Ralph D. Burgess

License/Certificate Type - Number
PLS.0005040

Expiration Date
09/30/2022

Status: Active

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

Mr. Christopher Lyle Ballard

License/Certificate Type - Number	Expiration Date
PLS.0005033	09/30/2022

Status: Active

The American Traffic Safety Services Association

Hereby recognizes that

Philip S Dupree

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

2/8/2019 to 2/8/2019
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

Philip Dupree

has attended

Traffic Control Supervisor-LA State Spec

Training Course

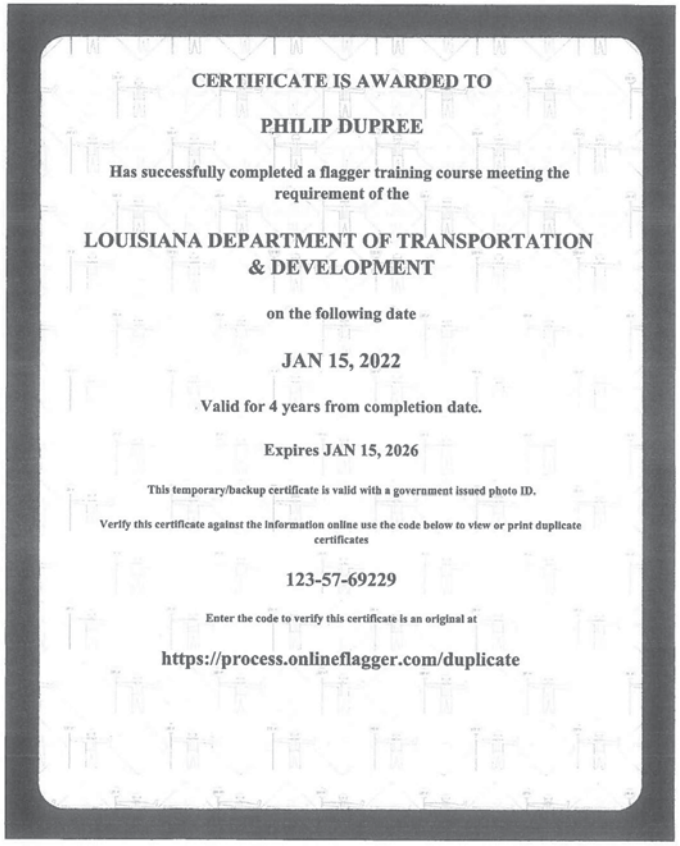
10/16/2014
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO



CERTIFICATE IS AWARDED TO

PHILIP DUPREE

Has successfully completed a flagger training course meeting the requirement of the

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

JAN 15, 2022

Valid for 4 years from completion date.

Expires JAN 15, 2026

This temporary/backup certificate is valid with a government issued photo ID.

Verify this certificate against the information online use the code below to view or print duplicate certificates

123-57-69229

Enter the code to verify this certificate is an original at

https://process.onlineflagger.com/duplicate

The American Traffic Safety Services Association

Hereby recognizes that

Philip Dupree

has attended

Traffic Control Technician-LA State Specific

Training Course

10/14/2014
Date

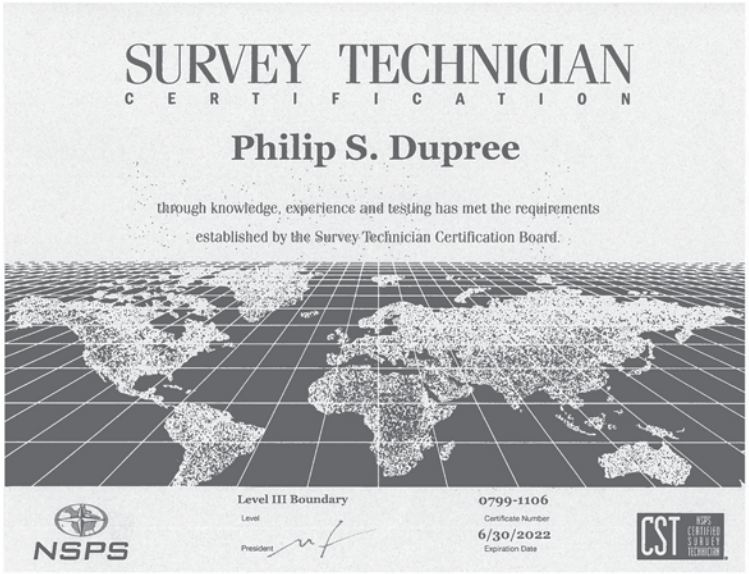
Baton Rouge, LA
Location

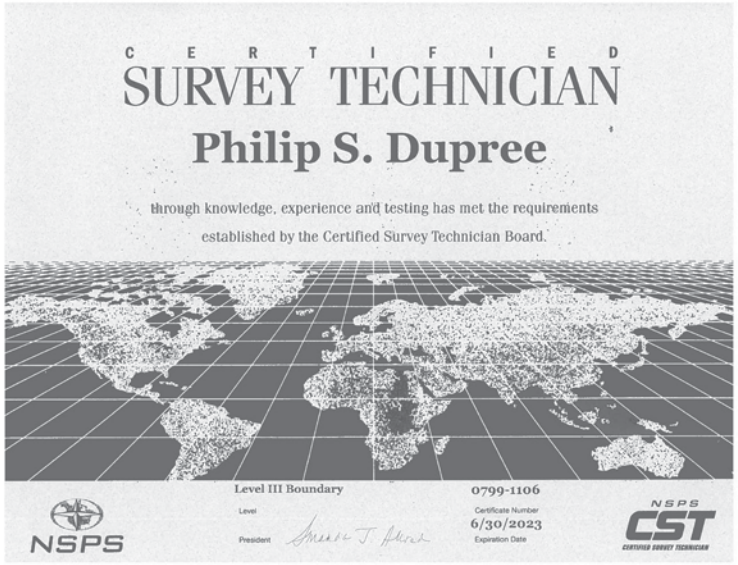
ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Gresham Smith


SURVEY TECHNICIAN
CERTIFICATION
Philip S. Dupree
through knowledge, experience and testing has met the requirements
established by the Survey Technician Certification Board.
Level III Boundary
Level
President
0799-1106
Certificate Number
6/30/2022
Expiration Date
NSPS
CST


CERTIFIED
SURVEY TECHNICIAN
Philip S. Dupree
through knowledge, experience and testing has met the requirements
established by the Certified Survey Technician Board.
Level III Boundary
Level
President
0799-1106
Certificate Number
6/30/2023
Expiration Date
NSPS
NSPS
CST

The American Traffic Safety Services Association

Hereby recognizes that

Jacob Stoehr

has attended

Traffic Control Supervisor-LA State Spec

Training Course

6/3/15 to 6/4/15
Date

New Orleans, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

Certificate of Training

this certifies that

Jacob Stoehr

has successfully completed the training program requirements for

ATSSA Online Flagger Certification Training Course

Awarded on this 10th day of May 2021

The American Traffic Safety Services Association

Hereby recognizes that

Jacob Stoehr

has attended

Traffic Control Technician-LA State Specific

Training Course

9/8/14 to 9/8/14
Date

Baton Rouge, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO

ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Jacob Stoehr

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 5/9/2025 State Issued in LA

Instructor Signature

Verification available by calling 1-877-842-4637 or at http://www.flagger.com

Gresham Smith

The American Traffic Safety Services Association

Hereby recognizes that

Trenten Norris

has attended

Traffic Control Technician-LA State Specific

Training Course

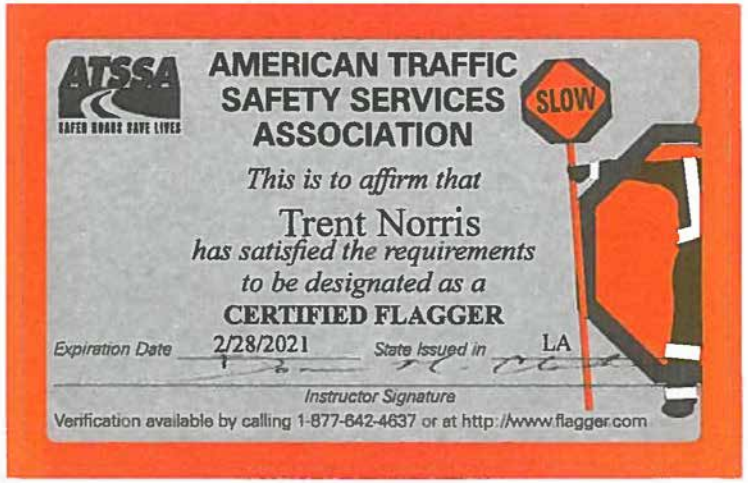
02/24/2015
Date

Lafayette, LA
Location

ATSSA
SAFER ROADS SAVE LIVES

Training & Products Dept. Director

President, CEO



ATSSA
SAFER ROADS SAVE LIVES

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

SLOW

This is to affirm that

Trent Norris

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Expiration Date 2/28/2021 *State Issued in* LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

The American Traffic Safety Services Association

Hereby recognizes that

Trent Norris

has attended

Traffic Control Supervisor-LA State Specific

Training Course

2/6/2019 to 2/7/2019
Date

Baton Rouge, LA

ATSSA
SAFER ROADS SAVE LIVES

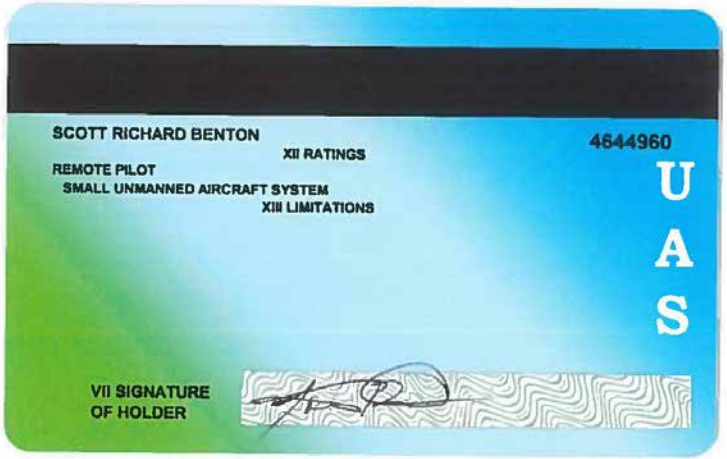
Training & Products Dept. Director

President, CEO

Gresham Smith


I UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION
IV NAME
SCOTT RICHARD BENTON
V ADDRESS 31050 LA HIGHWAY 16 APT 511
DENHAM SPRINGS LA 70726-8992
VI NATIONALITY USA
IVa D.O.B. 17 SEP 1983
SEX HEIGHT WEIGHT HAIR EYES
M 74 220 BROWN BLUE
IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF
II REMOTE PILOT
III CERTIFICATE NUMBER 4644960
X DATE OF ISSUE 31 MAR 2022
XIV
VIII ACTING ADMINISTRATOR
U
A
S


ATSSA
SAFER ROADS SAVE LIVES
AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
This is to affirm that
Scott Benton
has satisfied the requirements to be designated as a
CERTIFIED FLAGGER
Expiration Date 3/1/2024
State Issued in LA
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com


SCOTT RICHARD BENTON
4644960
XII RATINGS
REMOTE PILOT
SMALL UNMANNED AIRCRAFT SYSTEM
XIII LIMITATIONS
VII SIGNATURE OF HOLDER
U
A
S

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

Our team will provide a thorough QC Plan upon contract award.

22. Sub-consultant Information:

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Intelligent Transportation Systems, LLC	20405 Highland Road Baton Rouge, LA 70817	Jonathan Fox jfox@itsanswers.com	225.751.9300
Grey Engineering, LLC	7146 Landmor Drive Greenwell Springs, LA 70739	April Renard april@greyeng.com	225.773.6272
Civil Design & Construction, Inc.	PO Box 857, Port Allen, LA 70767/3251 Southern Pacific Rd.	Karla E. Weston, P.E. weston@cdcbr.com	225.765.1802

(Add rows as needed)

23. Location:

N/A

Gresham Smith

Genuine Ingenuity

Alpharetta, GA
Atlanta, GA
Baton Rouge, LA
Birmingham, AL
Charlotte, NC
Chattanooga, TN
Chicago, IL
Cincinnati, OH
Columbus, OH
Dallas, TX
Ft. Lauderdale, FL
Jackson, MS
Jacksonville, FL
Knoxville, TN
Lexington, KY
Louisville, KY
Memphis, TN
Miami, FL
Nashville, TN
Orlando, FL
Richmond, VA
Suwanee, GA
Tallahassee, FL
Tampa, FL

10000 Perkins Rowe
Suite 280
Baton Rouge, LA 70810

225.757.5849
GreshamSmith.com