digital engineering

DIGITAL ENGINEERING & IMAGING, INC.

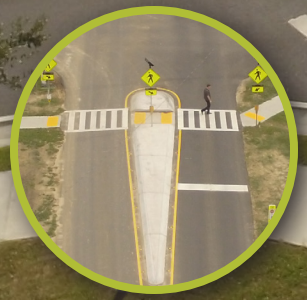
DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Contract Nos. 4400026910 and 4400026911 | May 30, 2023

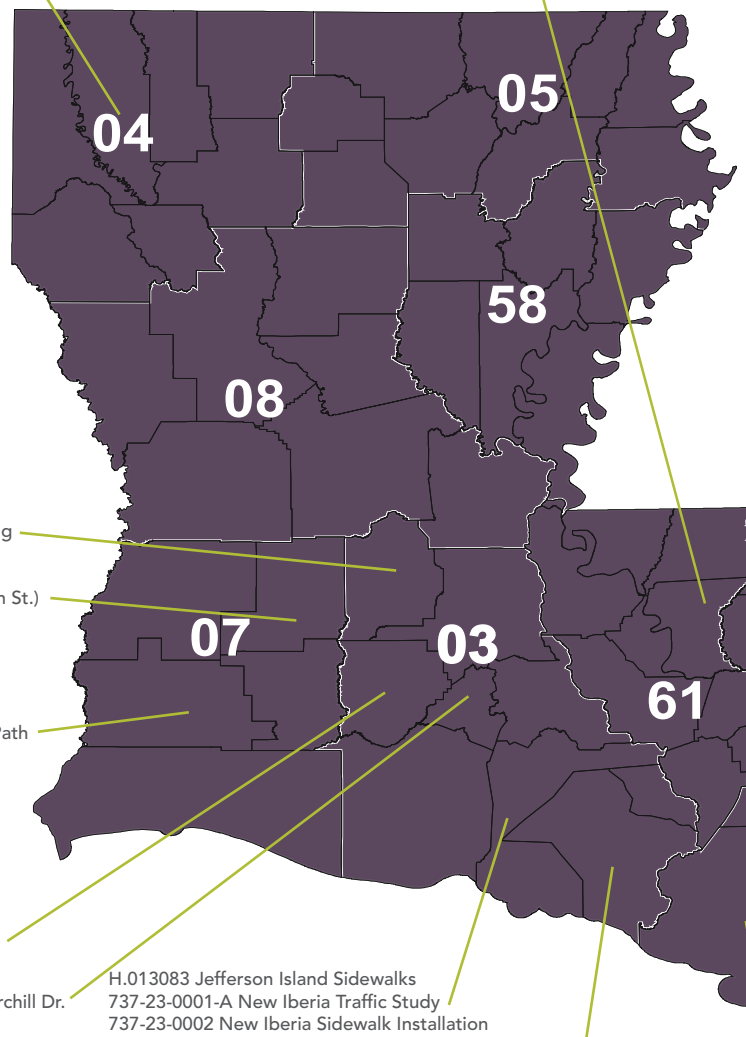
IDIQ CONTRACTS FOR THE DESIGN OF SAFETY PROJECTS

STATEWIDE, LOUISIANA (DISTRICT 02, 61, AND 62)



LADOTD S.P. H.012479
Audubon Ave. & Ardoyne Dr. Mini-Roundabout
Local Roads Safety Program

DE has performed over **60 LADOTD/LPA Safety Projects Task Orders** across the State of Louisiana.



H.015010 Local Road Striping & Signing

737-17-0022 City of Central Rumble Strips & Striping

H.010701 Livingston Railroad Safety Improvements

H.013271 Tangipahoa Signs & Striping
H.010210 Tangipahoa Railroad Safety Improvements
H.015211 Burgess Ave Sidewalk - Phase 4
737-53-0008 - Street Sign Replacement

H.006621 Bogalusa Pavement Markings

H.015210 - Judge Tanner Blvd Sidewalk (St. Tammany)
H.015204 - Town Center Pkwy Sidepath (Slidell)
H.013082 - Bootlegger Road Shared Use Path (St. Tammany)
H.013088 - Hatchell Lane Sidewalks (Denham Springs)
H.012474 St. Tammany Guardrail Design
H.009460 St. Tammany Parish Signing & Striping
H.011138 Covington Sidewalks & Other Safety Improvements
H.011216 City of Slidell Pavement Markings
700-99-0443 Pearl River - Pavement Markings

H.009282.5 St. John the Baptist Parish Sidewalks

H.015198 S. Carrollton Ave Ped & Bike Improvements
H.006524 Gretna Sidewalks and Safety Improvements
H.013090 Gretna Downtown Intersection Improvements
H.013718 LA23: 23RD St.-Gretna Blvd. Pedestrian Improvements
H.006567 Pedestrian Crosswalk Enhancements
H.012682 Pedestrian Crosswalk Enhancements (NO PH. 2)
H.013094 Broad Street - Read Blvd Pedestrian Improvements
H.009308 New Orleans DPW SRTS Sidewalk Project
H.013753 LA 428: Gen DeGaulle-Old Behrman Shared Use Path
H.013719 US61 @ I-10 EB Off Ramp Pedestrian Improvements
H.012473 Zachary Taylor & Marconi Dr. Sidewalks

H.013789 Evangeline Signs and Striping

737-02-0107 Sidewalk Installation (13th St.)

H.013765 Loyola Ave. & Sal Lentini Pkwy. Bike Lanes
H.012236.5 North Kenner Pedestrian Safety Improvements
H.012477.6 City of Kenner Signs and Striping
737-23-0008 Traffic Study

H.011196 Barbe Elementary SRTS
H.013722 Guillory Street Shared Use Path
737-10-0114 Street Sign Replacement

H.009175 St. Bernard Signs & Striping

H.011949 RWD Signing

H.013772 Signing & Striping
737-01-0103 Pavement Markings
737-01-0104 Street Sign Replacement
742-49-0001 Sidewalk Installation

H.013716 US 167: Camellia Blvd.- Churchill Dr. Sidewalks

H.013083 Jefferson Island Sidewalks
737-23-0001-A New Iberia Traffic Study
737-23-0002 New Iberia Sidewalk Installation
737-23-0004 Lewis Street Traffic Study

H.013722 Morgan City Sidewalks and Shared Use Path
H.014640 St. Mary Local Road Pavement Markings
742-51-0001 Sidewalk Installation - Franklin

H.013714 Valhi Blvd. Shared-Use Path

H.012858 Choctaw Road Striping
H.013084 Peltier Park Sidewalk
H.010109.5 Raceland and Bayou Blue Sidewalks
H.009705.5 Parking Study
H.012479.5-2 Audobon Ave. & Ardoyne Dr. Mini-Roundabout
742-29-0002 Sidewalk Installation

DOTD FORM: 24-102

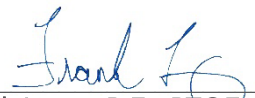
(Revised January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ Contracts for the Design of Safety Projects Statewide with Majority of Work in Districts 02, 61, and 62
2. Contract Number(s) as shown in the advertisement	Contract Nos. 4400026910 and 4400026911
3. State Project Number(s), if shown in the advertisement	NA
4. Prime consultant name **(name must match as registered with the Louisiana Secretary of State where such registration is required by law**)	Digital Engineering & Imaging, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0001828
6. Prime consultant mailing address	527 West Esplanade Avenue Suite 200 Kenner, Louisiana 70065
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	527 West Esplanade Avenue Suite 200 Kenner, Louisiana 70065
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Frank Liang, P.E., PTOE Sr. Vice President 504.468.6129 fliang@deii.net
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Frank Liang, P.E., PTOE Sr. Vice President 504.468.6129 fliang@deii.net

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.	 Frank Liang, P.E., PTOE Date: May 30, 2023
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):** Vectura Consulting Services, LLC **Firm(s)' %:** 7%

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Digital Engineering (Prime)	GOTECH (Sub-Surveyor)	Vectura (Sub-Traffic)	ELOS (Sub-Environmental)	Each Discipline must total to 100%
Other (Safety Programs – LRSP SRTPP, SRTS)	70%	100%	0%	0%	0%	100%
Survey	20%	0%	100%	0%	0%	100%
Right-of-way	2%	0%	100%	0%	0%	100%
Traffic	5%	0%	0%	100%	0%	100%
Data Collection	2%	0%	0%	100%	0%	100%
Environmental	1%	0%	0%	0%	100%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	70%	22%	7%	1%	100%

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
digital engineering	Principal	1	7
	Supervisor - Engineer	2	5
	Engineer	3	6
	Engineer Intern	1	2
	CADD - Technician	2	3
GOTECH	Principal	1	1
	Engineer	2	6
	Engineer Intern	1	1
	Surveyor	1	2
	Party Chief	2	3
VECTURA	Supervisor	2	2
	Engineer	4	4
	Engineer Intern	1	1
	Inspectors	2	2
ELOS	Environmental Pro	1	2
	Biologist/Wetlands	1	3
	Environmental Manager	1	10


LADOTD S.P. H.012236.5
North Kenner Pedestrian Safety Improvements
Safe Routes to Schools

14. Organizational Chart

LEGEND

Digital Engineering (DE)
Vectura Consulting Services (VE)
GOTECH (GT)
ELOS Environmental (EL)

* Traffic Engineering Process and Report Training
▼ Active work-zone training certifications

1 Meets MPR 1
2 Meets MPR 2
3 Meets MPR 3
4 Meets MPR 4
5 Meets MPR 5

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

digital engineering

Principal-in-Charge
[1, 2, 3] David LeBreton, P.E., PTOE, PTP, RSP_1 (DE)

Project Manager
[1, 2, 3] Frank Liang, P.E., PTOE *▼ (DE)

QA/QC Manager
[3] Alan Krouse, P.E. (DE)

Stage 0 Feasibility Studies

PROJECT FEASIBILITY REPORTS
Stephanie Turner, P.E.▼(DE)
Taylor Marino, P.E., PTOE, RSP_1*▼(DE)
Michael Flynn, P.E. *▼(DE)

TRAFFIC STUDIES
[5] Brin Ferlito, P.E., PTOE *▼(VE)
[5] Laurence Lambert, II, P.E., PTOE, PTP *▼(VE)
Kristen Gahagan P.E., PTOE, PTP, RSP_1 *▼(VE)
Reece Rodrigue, P.E., PTOE, PTP, RSP_1 *▼(VE)

Stage 1 Planning / Environmental

PERMIT PLANS / PERMIT APPLICATION
Lucas Watkins (EL)
Brian Fortson (EL)
Cory Ricks (EL)

Stage 3 Design

SURVEYING SERVICES
[4] Bruce Dyson, P.E., PLS (GT)
[4] Robert Price (GT)

PRELIMINARY AND FINAL PLANS
Stephanie Turner, P.E.▼(DE)
Taylor Marino, P.E., PTOE, RSP_1*▼(DE)
Michael Flynn, P.E.*▼(DE)

CAD Technicians
Michael Cochran (DE)
Donnie Wittke (DE)

Stage 5 Construction

CONSTRUCTION SUPPORT / CONSTRUCTION RELATED ENGINEERING
Frank Liang, P.E., PTOE*▼(DE)
Stephanie Turner, P.E.▼(DE)
Taylor Marino, P.E., PTOE, RSP_1*▼(DE)
Michael Flynn, P.E. *▼(DE)

SHOP DRAWINGS
Frank Liang, P.E., PTOE*▼(DE)

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Frank Liang, P.E., PTOE	digital engineering	P.E. #28549 - Civil PTOE #3362	LA	03.31.2024 11.26.2024
	David LeBreton, P.E., PTOE, PTP, RSP_1		P.E. #37176 - Civil PTOE #3333 PTP #661 RSP_1 #314	LA	09.30.2024 11.26.2024 03.27.2025 07.17.2025
2	Frank Liang, P.E., PTOE	digital engineering	P.E. #28549 - Civil PTOE #3362	LA	03.31.2024 11.26.2024
	David LeBreton, P.E., PTOE, PTP, RSP_1		P.E. #37176 - Civil PTOE #3333 PTP #661 RSP_1 #314	LA	09.30.2024 11.26.2024 03.27.2025 07.17.2025
3	Alan Krouse, P.E.	digital engineering	P.E. #19391 - Civil	LA	09.30.2023
	Frank Liang, P.E., PTOE		P.E. #28549 - Civil PTOE #3362	LA	03.31.2024 11.26.2024
	David LeBreton, P.E., PTOE, PTP, RSP_1		P.E. #37176 - Civil PTOE #3333 PTP #661 RSP_1 #314	LA	09.30.2024 11.26.2024 03.27.2025 07.17.2025
4	Bruce Dyson, P.E., P.L.S.	GOTECH	P.E. #20162 - Civil P.L.S. #4670	LA	03.31.2024 03.31.2024
	Robert Price, P.L.S.		P.L.S. #4889	LA	03.31.2024
5	Sheelagh Brin Ferlito, P.E., PTOE	VECTURA	P.E. #25383 - Civil PTOE #932	LA	09.30.2023 09.09.2024
	Laurence Lambert, P.E., PTOE, PTP		P.E. #29901 - Civil PTOE #1303	LA	03.31.2024 02.03.2026

16. Staff Experience:

Firm employed by	digital engineering		
Name	Frank Liang, P.E., PTOE	Years of relevant experience with this employer	28
Title	Sr. Vice President, Principal	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1994 / Civil Engineering	
Active registration number / state / expiration date		PE.0028549 / LA / Exp. 03/2024; PTOE #3362 / LA / Exp. 11/2024; ATSSA Traffic Control Flagger / Exp. 11/2025; Supervisor / Exp. 11/2025; LADOTD Traffic Engineering Analysis Process and Report Module 1, 2, 3	
Year registered	1999	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Manager Responsible for Contract Management, Overall Performance, Compliance with project scope, and the management of the development of scoping reports, plans, specifications, and construction support.; Meets MPR No. 1,2,3	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Liang oversees the Transportation Division at Digital Engineering. His experience includes transportation engineering, construction management, civil engineering, and project management for the LADOTD, the Regional Planning Commission, and local government agencies. Frank has been involved with SRTS/SRTPPP and LRSP Programs – which evolved into LADOTD Safety Design IDIQ – since the inception of the program nearly 15 years ago. He has served as lead engineer for traffic and transportation analysis, safety studies and improvements of pedestrian and bicycle routes in accordance with ASSHTO, MUTCD and LADOTD requirements. As Chief Engineer, he oversees the design, schedule, and progress of all projects within the company in addition to all previous and current Safety Program Projects.
04/23 – ongoing	LADOTD H.015010.5: Local Road Striping and Signing, Bossier, LA *Project Supervisor in Responsible Charge* of the overall management of this signing and striping project, including compliance with construction budget. Monitored the project plan development for compliance with the work scope noted in the sponsor's application and the scoping report developed by LADOTD. Frank assisted in the development of the GIS system implemented to capture existing signage and striping (with geospatial information) needing to be replaced along the project routes. As one of DE's supervisor engineer, Frank was responsible compliance with all rules required by Louisiana Professional Engineering and Land Surveying Board (LAPELS) for this LRSP project.
05/21 – 08/22	LADOTD H.013789: Evangeline Parish Curve Signing & Striping, Evangeline, LA *Project Supervisor in Responsible Charge* of the overall management of this signing and striping project. Assisted throughout the entire project process for compliance with the work scope noted in the sponsor's application and the scoping report developed by LADOTD. Monitored the technical development of the project plans and compliance with standards. Assisted in the development of design and construction costs for the project. Frank, along with other members of the DE Safety Projects team, attended meetings to assist LADOTD's staff on the development of plan requirements for future signage and striping plans developed for these Safety Program projects. From these meetings, the plans developed for this LRSP project were used as a template for future signing and striping plan requirements developed for the Safety Program projects.
05/21 – ongoing	LADOTD H.013083: Iberia Parish Jefferson Island Sidewalks, New Iberia, LA *Project Supervisor in Responsible Charge* of the overall management of this sidewalk enhancement and drainage project. Assisted in the review of this LRSP project scope for necessary surveying and traffic services provided by the teams subconsultants. Frank

	provided technical guidance from a traffic engineering aspect for the implementation of the proposed marked crosswalks at key signalized intersections. He also coordinated with the team's surveying and traffic engineering subconsultant for the development of their cost proposal and review of the survey/traffic information submitted.
09/18 – ongoing	LADOTD H.013090: Gretna Downtown Intersection, Gretna, LA *Project Supervisor in Responsible Charge* of the overall management of this pedestrian enhancement, sidewalks, signing and pavement marking project. Assisted throughout the entire project process for the development of the scoping report and compliance with the work scope noted in the sponsor's application. Monitored the technical development of the project plans and compliance with ADA guidelines considering the limited ROW along the project and the existing extreme elevation differences noted in the field. Frank also coordinated with the development of innovative solutions to maintain the flow of stormwater runoff to the historic drainage structures along this SRTPP project.
05/18 – 02/19	LADOTD H.012474: St. Tammany Guardrail Design, St. Tammany Parish, LA *Project Supervisor in Responsible Charge* of the overall management of this Local Road Safety Program road safety improvement project. Assisted throughout the entire project process for compliance with the work scope noted in the sponsor's application. Monitored the technical development of the project plans and compliance with AASHTO Roadside Design guidelines. Frank also assisted in the CE&I services provided by DE and assisted in the completion of the Final Estimate compiled for LADOTD's Audit Section.
06/17 – 12/18	LADOTD H.012479: Audubon Avenue and Ardoyne Drive Mini Roundabout, Thibodaux, LA *Project Supervisor in Responsible Charge* for the development of the scoping report and project plans for this road safety improvement project. Oversaw compliance with the project scope and provided technical guidance for the geometric design and signage and striping requirements for this mini-roundabout. Frank also attended meetings (kick-off, Plan-in-hand, etc.) associated with this LRSP project and reviewed quantity takeoffs for the development of the construction cost estimate.
04/16 – 10/19	LADOTD H.012473: Marconi Drive Shared Use Path, New Orleans, LA *Project Supervisor in Responsible Charge* for the Stage 0 Feasibility Study and design for this pedestrian enhancement, sidewalks & road safety improvements project. His duties included the attendance of site visits, development of the feasibility study, coordination with landscape architects, and review of the engineering plans of the proposed improvements for constructability. The final scope of work for this LRSP project involves the addition of a 3,300-foot-long by 10-foot-wide multiuse path along Marconi Drive from Harrison Avenue to Zachary Taylor Drive. Frank also provided Construction Support by addressing questions that arose during construction.
08/13-10/15	LADOTD H.010701: Livingston Parish Railroad Safety Improvements, Livingston Parish, LA *Project Manager/Engineer of Record* for this LRSP signing and pavement marking project. Responsible for evaluation of each site and development/design of project plans for required signage and pavement marking. Coordinated with the Canadian National/Illinois Central Railroad throughout this project. Also responsible for construction engineering services. The scope of this project consisted of the design and construction of road safety improvements (signage and striping) in the vicinity of 25 public railroad crossings within the Livingston Parish limits. Design for the proposed improvements met safety regulations as described in the MUTCD.
06/09-03/12	LADOTD SP 737-02-0107: Sidewalk Installation on 13th Street, Kinder, LA Project Manager/Engineer of Record for this Local Road Safety Program sidewalk project. He was responsible for design, budgeting, and scheduling for the addition of 1,800 linear feet of sidewalk along 13th Street leading to Kinder Middle School. The project also included the installation of drainage structures, drain pipes, handicapped ramps, crosswalk striping and driveway removal and replacement.

Firm employed by	digital engineering		
Name	David LeBreton, P.E., PTOE, PTP, RSP$_1$	Years of relevant experience with this employer	16
Title	Vice President, Principal	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering	
Active registration number / state / expiration date		PE. 37176 / LA / Exp. 09.24; PTOE #3333 / LA / Exp. 11.24; Professional Transportation Planner #661 / LA / 03.25; Road Safety Professional1 #314 / LA / 07.25; ATSSA Traffic Control Flagger Supervisor / Exp. 02.27	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Principal in Charge Responsible for Contract Negotiations and Overall Performance; Meets MPR No. 1, 2, 3	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. LeBreton offers 16 years of experience with safety studies and design, traffic analysis, traffic operations, roadway and drainage design, and construction phase services. David has performed studies, design, and/or construction engineering and inspection on 48 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP) throughout the state, in both rural and urban areas. David completed training including LADOTD SIDRA Intersection and Roundabout Analysis Update Workshop; RPC/LDOTD Designing Streets for Pedestrian and Bicycles Workshop. He is proficient with AASHTO's Guide for the Development of Bicycle Facilities, MUTCD, ADA and LADOTD requirements.
09/19 – 06/21	LADOTD H.009175: St. Bernard Signing and Striping, St. Bernard Parish, LA *Project Manager* responsible for contract negotiations, scheduling, plan preparation, quality control, and scheduling for this signing and pavement marking project to implement low-cost safety improvements, funded by the Local Road Safety Program, on local roads in St. Bernard Parish.
11/18 – Ongoing	LADOTD H.013090: Gretna Downtown Intersection, Gretna, LA *Project Manager* responsible for contract negotiations, scheduling, plan preparation, quality control, and scheduling this pedestrian enhancement, sidewalks, signing and pavement marking project. David is currently providing scoping, technical and contract support for this SRTPP project involving the replacement of existing sidewalk with new sidewalks and ADA compliant handicapped curbed ramp, along with bulb outs at some the intersections to improve parking and decrease pedestrian walking lengths. This project also includes the reconstruction of traffic signal systems at two intersections, as well as the removal of span wire signals and replacement with mast arms. A pedestrian traffic study was conducted to investigate the marked crosswalks warrants needed to stripe the crossings of a state route and a pedestrian signal and audible push buttons are also proposed.
09/17 – 02/22	LADOTD H.013094: Broad Street-Read Boulevard Pedestrian Intersection Enhancements, New Orleans, LA *Project Manager* responsible for contract negotiations, scheduling, plan preparation, quality control, and scheduling for Stage 0 Feasibility Study and design of this Safe Route to Public Places pedestrian enhancement & sidewalks project that seeks to increase the number of pedestrians who walk or ride bikes in the City of New Orleans. David is currently providing scoping, technical, and contract support for this project.

11/17 – 08/22	LADOTD H.009308: New Orleans DPW SRTS Sidewalk Project, New Orleans, LA *Engineer of Record* for this pedestrian enhancement, sidewalk, signing and pavement marking, and road safety project. Responsible for the overall project management, QA/QC, budgeting, and scheduling for this contract. The scope of this project consists of the development of a feasibility study and engineering plans and non-standard specifications for the installation of 5' concrete sidewalks, 10' wide multi-use paths, road diet bike lanes, HAWK Pedestrian Hybrid Beacon, solar powered school zone flashing beacon, ADA compliant curb ramps and pedestrian crosswalks, and pedestrian countdown signal heads with accessible pedestrian pushbuttons. During construction, the LPA requested a change to the striping along a roadway, Bienville Street, in this project. David provided Construction Support services by managing the development of the change order plans necessary for the implementation of the revised striping.
09/17 – 12/21	LADOTD H.013082: Bootlegger Road Sidewalks, St. Tammany Parish, LA *Project Manager* for this sidewalk project for a Stage 0 Feasibility Study, project design, budgeting, and cost estimating for this contract involving alternatives of a 6' wide sidewalk on the north side of Bootlegger Road or a 10' wide shared use path on the south side of the road. This sidewalk will safely connect neighborhoods to the existing park and school and is part of a phasing plan that will ultimately connect LA1077 to Ochsner Boulevard. Ultimately the north sidewalk was chosen as the feasibility study determined the south option not constructible within this SRTPP project budget. David also provided Construction Support to LDOTD's CE&I consultant when obstructions were discovered during the installation of the sidewalk.
06/17-03/19	LADOTD H.012236: North Kenner Pedestrian Improvements, Kenner, LA *Engineer of Record/Project Manager* for this pedestrian enhancement and sidewalk project. He was responsible for overall project management, QAQC, budgeting, and scheduling for this contract involving the addition of 5' wide sidewalks along Loyola Drive and Vintage Drive to connect the existing Kenner City Park and the proposed future Kenner Discovery School Site. This project is the first phase of a plan to provide continuous sidewalks throughout this area in Kenner.
03/17-11/18	LADOTD H.012474: St. Tammany Guardrail Design, St. Tammany Parish, LA *Engineer of Record/Project Manager* for this Local Road Safety Program road safety improvement project. The feasibility study, design of the guardrail improvements, quantity takeoffs, plan preparation, development of the QA/QC and constructability and biddability forms were performed under David's direct supervision. The goal of this LRSP Project was to provide safe roadside conditions for the public in an effort to protect errant vehicles from striking roadside obstacles by removing non-compliant guardrails and dangerous guardrail end treatments at various bridge locations and replace with the newest LADOTD Standard guardrail and end treatments conforming to the requirements outlined in AASHTO's Manual for Assessing Safety Hardware (MASH).
06/16 – 10/18	LADOTD H.012479: Audubon Avenue and Ardoyne Drive Mini Roundabout, Thibodaux, LA *Engineer of Record/Project Manager* for this Local Road Safety Program road safety improvement project. The feasibility study, design of the improvements (sidewalks, ADA accessible curb ramps, cross walks, and signage and striping, etc.), geometric layout, quantity takeoffs, plan preparation, development of technical specifications (TS), development of the QA/QC and constructability and biddability forms were performed under David's direct supervision. The scope of this LRSP project involved the installation of a new mini-roundabout at the intersection of Audubon Avenue and Ardoyne Drive.

Firm employed by	digital engineering		
Name	Alan Krouse, P.E.	Years of relevant experience with this employer	3
Title	Senior Project Manager	Years of relevant experience with other employer(s)	43
Degree(s) / Years / Specialization		BS / 1977 / Civil Engineering	
Active registration number / state / expiration date		PE.0019391 / LA / Exp. 09/2023	
Year registered	1981	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		QAQC Manager Responsible for Quality Assurance and Quality Control for the IDIQ; Meets MRP No. 3	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Krouse is a Senior Project Manager responsible for management of complex infrastructure projects, and QAQC. His 45+ years of experience spans a career working for both the public sector and private consulting companies. As a Coordinating Squad Leader in Road Design for the Louisiana Department of Transportation and Development (LADOTD), Alan managed projects in excess of $100 million that required the coordination of 20 design consultants in major metropolitan areas. Following his tenure at LADOTD, Alan entered the professional engineering consultant industry where he continued designing and managing transportation projects for LADOTD and other public agencies. Alan's experience includes Stage 0 Feasibility Studies, Safety Studies, design of safety improvements, Environmental Inventories, along with major highway improvement design. Alan currently serves on the Louisiana Complete Streets Advisory Council.
04/23 - Ongoing	LADOTD H.015010: Local Road Striping & Signing (Bossier), Bossier Parish, LA *Quality Assurance Manager* conducting design plan reviews for this signing and striping plans, "low cost" safety improvements along eight local roadways in Bossier Parish as outlined in the sponsor's application and the scoping report developed by LADOTD. Alan attended the kickoff meeting and will provide technical reviews throughout the design process for this LRSP funded project.
12/22	LADOTD H.013083: Iberia Parish Jefferson Island Sidewalks, New Iberia, LA *Quality Assurance Manager* conducting design plan reviews for this sidewalk enhancement and drainage project involving the addition of 1,470 linear feet of 5-foot-wide sidewalks for students to access Westgate High School and Sugarland Elementary School. ADA-compliant ramps will be installed in front of the schools. The installation of this LRSP funded sidewalk will also require the enclosure of two (2) roadside drainage ditches with storm drain pipe, drop inlets, manholes, and pipe end treatments.
05/23	LADOTD H.013090: Gretna Downtown Intersection, Gretna, LA *Quality Assurance Manager* conducting design plan reviews for this pedestrian enhancement, sidewalks, signing and pavement marking project involving the replacement of existing sidewalk with new sidewalks and ADA compliant handicapped curbed ramp, along with bulb outs at some the intersections to improve parking and decrease pedestrian walking lengths. This SRTP project also includes the reconstruction of traffic signal systems at two intersections, as well as the removal of span wire signals and replacement with mast arms. A pedestrian traffic study was conducted to investigate the marked crosswalks warrants needed to stripe the crossings of a state route and a pedestrian signal and audible push buttons are also proposed.

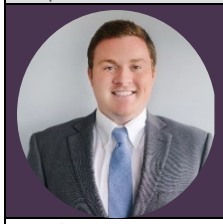
11/18 – 03/20	LADOTD H.013322.1: LA 3040 Corridor Improvements Study, Houma, LA *Project Manager* for this road safety project. Responsible for contract negotiations, QA/QC and report documents which included traffic, environmental and alternate development for this Study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma in order to evaluate reasonable alternatives to address any deficiencies discovered and develop low-cost safety improvements.
03/16 – 09/16	LADOTD H.012295: Feasibility Study for LA 182 Sidewalk and Handicap Ramp Improvements, New Iberia, LA *Project Manager* for this pedestrian enhancement and sidewalk project. Responsible for coordination of pedestrian counts, field observations, preparation of Stage 0 Study including development of alternates necessary to evaluate the feasibility of the rehabilitation and construction of approximately 1.8 miles of continuous sidewalks and handicap curb ramps.
10/15 – 09/17	LADOTD H.011799: Spartan Drive Shared-Use Path, Slidell, LA Project Manager for this pedestrian enhancement and road safety project. Responsible for project development, load rating, coordination with LPA and LADOTD, and management of design for a shared-use path to be used by pedestrians and bicycles traveling between Salem High School and Fritchie Park, including two large drainage structures and a conspan bridge. This TAP funded project was designed in accordance with LADOTD specifications.
06/15 – 04/19	LADOTD H.0112243.1: I-49 at US 190 and LA 31 Feasibility and Planning Study and Tier Analysis, Opelousas, LA *Project Manager* for this road safety project. Responsible for scope development, contract negotiations and QA/QC for a feasibility and planning study to evaluate alternatives to improve traffic operations and safety along several abnormal sections of the project at the I-49 interchanges with US 190 and LA 31. High level alternatives were evaluated, incorporating considerations for required ROW, environmental and social impact, and project cost.
06/14-12/19	LADOTD H.010204.5: US 425 Roundabout Design, Retainer Contract for Highway Safety, Rayville, LA *Project Manager* for this signing and pavement marking and road safety project. Responsible for contractual obligations, quality assurance of design submittals, construction phasing, quantity calculations, cost estimates, and geometric reviews for the design of a new six-leg, multi-lane roundabout at the intersection of US 425 and Grimshaw Street and Christian Drive including the relocation of an existing frontage road, truck access turnout and stormwater systems design.
12/13 – 12/14	Highland-Burbank Connector Design-Study, City of Baton Rouge/Parish of East Baton Rouge, LA *Project Manager* for this road design project that included sidewalk and road safety elements. Responsible for contract and fee negotiations, preparing all correspondence to client, conducting project meetings and monitoring the budget and schedule of this design study, including the preparation of preliminary (30%) design plans as necessary to identify two alternatives for a new three-lane curb and gutter roadway with sidewalks on both sides, connecting Highland Road and Burbank Drive, including a new bridge crossing at Bayou Fountain.
06/13 – 07/14	US 61 Improvements Stage 0 Study (LA 50 to Jefferson Parish Line), NORPC, St. Charles Parish, LA *Project Manager* for this road safety project. Responsible for reviewing line and grade and environmental and budgetary checklists, as well as quality assurance of Stage 0 document to evaluate two conceptual alternatives along the corridor: capacity improvements to the existing intersection such as widening, turning lanes, and traffic signal timing; and safety improvements such as access management and complete streets, medians divided with J-turns, and special consideration of heavy truck movements due to land use. Alan also assisted in drainage, geometric, typical section design, and calculated project quantities.

Firm employed by	digital engineering		
Name	Stephanie B. Turner, P.E.	Years of relevant experience with this employer	2
Title	Senior Project Manager	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2010 / Civil Engineering	
Active registration number / state / expiration date		PE.0039490 / LA / Exp. 09.2023; ATSSA Traffic Control Flagger / Exp. 11.2026 / Traffic Control Technician / Traffic Control Supervisor / Exp. 5.2026; ATSSA 2011 Grant Designing Temporary Traffic Control Zones for Pedestrian Accessibility; ATSSA LTAP Combating Rural Roadway Departures; LTAP Roads Scholar #2: Maintenance of Asphalt Roads	
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer responsible for development of project feasibility reports, design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications and construction support	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mrs. Turner is a senior project engineer with 13 years of experience in roadway design, pavement preservation, and modeling for LADOTD and Louisiana Municipal Agencies. Her career began in the Road Design Section at LADOTD Headquarters, where she spent three years before transitioning to the private sector. Her experience is fortified by her knowledge of resources such as the LADOTD Road Design Manual, LADOTD Minimum Design Guidelines, LADOTD Traffic Engineering Manual, MUTCD, Louisiana Standard Specifications for Roads and Bridges, AASHTO Green Book, AASHTO Roadside Design Guide, as well as LADOTD Standard Plans and Special Details.
04/23 – Present	LADOTD H.015010: Local Road Striping & Signing (Bossier), Bossier Parish, LA *Project Manager* responsible for scoping, preparation of a fee estimate, scheduling and stakeholder coordination for this project involving design of signing and striping plans for over 50 miles of roadway, including eight (8) routes including approximately 119 curves. Stephanie created forms in ArcGIS Field Maps for use during the field inventory site visits, which allowed the team to locate more accurately the signing and striping along these routes for more efficient and accurate data collection. She also created forms for ball banking for each curve to make this process more efficient as well.
04/23 – Present	LADOTD H.013722: Morgan City Sidewalks and Shared Use Path, St. Mary Parish, LA *Project Manager* responsible for scoping of this pedestrian enhancement, sidewalk and shared use path project. She performed site visits, prepared a fee estimate and schedule to complete the design work. The traffic study and the survey tasks are currently underway. Once these tasks are completed, Stephanie will coordinate with the City and LADOTD to determine certain design parameters based on the findings from the survey and the traffic study. This project will require subsurface drainage and possibly a retaining wall.
08/22 – Present	LADOTD H.013716: US 167: Camellia Blvd-Churchill Dr (LAF), Lafayette Parish, LA *Project Manager* responsible for defining the scope of the project based on information provided in the Feasibility Study provided by LADOTD for this for this pedestrian enhancement, sidewalks, signing and pavement marking project. Stephanie prepared a fee estimate and schedule, coordinated with traffic and survey subconsultants. Upon resolving an existing right-

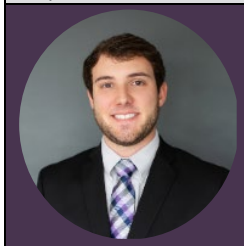
	of-way issue, sidewalk locations will be determined and non-compliance with the Complete Streets Policy will be resolved through a Design Exception. She will also assist in the development of the plans, budgeting and scheduling for this project.
02/22 – Present	LADOTD H.013094: Broad St. – Read Blvd. Ped Improvements, Orleans Parish, LA *Project Manager* responsible for scoping, fee estimate, and schedule for this pedestrian enhancement and sidewalk project. After the submittal of 95% Final Plans, a Stakeholders' meeting was held, resulting in scope expanded and supplemented. The portion of Broad St. for this project was removed from a Pavement Preservation project and moved into the scope of this project. This along with revisions of TSI's to the newest format, and other tasks to complete Final Plans were included in this supplement. Mrs. Turner is currently working on finalizing this scope with the LADOTD Project Manager for this additional work.
08/21 – Present	LADOTD H.011196: Lake Charles SRTS Proj. – Barbe Elem., Calcasieu Parish, LA *Project Manager* for the development of plans for this sidewalk enhancement project. The project involves new and reconstructed sidewalks along five (5) streets surrounding Barbe Elementary School and included 300 feet of subsurface drainage design and a sheet pile wall required in order to provide safe pedestrian access. Stephanie tracked the budget and schedule for this SRTS project, which also required development of curb ramp geometry as well as their locations.
08/21 – Present	LADOTD H.013083: Jefferson Island Sidewalks, Iberia Parish, LA *Project Manager* for the development of plans, budgeting and scheduling for this pedestrian enhancement, sidewalks, signing and pavement marking project. Stephanie also performed review of design for 800 feet of subsurface drainage design for this LSRP project involving the addition of 1,470 linear feet of 5-foot-wide sidewalks for students to access Westgate High School and Sugarland Elementary School. Design includes drainage updates due to existing issues near one of the school's parking lots, main driveway updates, and the addition of a curb ramp near the end of the project site, and installation of ADA-compliant ramps in front of the schools.
08/21 – 07/22	LADOTD H.013789: Curve Signing and Striping (Evangeline), Evangeline Parish, LA *Project Manager / Project Engineer* responsible for design of the signing and striping for 17 sites throughout Evangeline Parish. Stephanie performed a field inventory of the signing and striping and ball banking for 17 curves. She calculated location for signing and striping in curves and at intersections, reviewed and approved quantities, engineer's opinion of probable cost, and Design Report. Stephanie worked with the LADOTD Project Manager in order to perfect this set of plans so it could be used as the template for future Signing and Striping Safety Design IDIQ Projects.
08/21 – 05/22	LADOTD H.013772: Signing & Striping (Acadia), Acadia Parish, LA *Project Manager / Project Engineer* responsible for design of the signing and striping for 19 sites throughout Acadia Parish. Stephanie was responsible for calculation of location for signing and striping in curves and at intersections. She reviewed, and approved quantities, engineer's opinion of probable cost, and Design Report. This project included field inventory of signing and striping for almost 30 miles including twenty-two (22) curves and six (6) routes as well as ball banking for every curve located within the project limits.

Firm employed by	digital engineering		
Name	Taylor Marino, P.E., PTOE, RSP$_1$	Years of relevant experience with this employer	7
Title	Project Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		PE.44447 / LA / Exp. 09.24; PTOE #5026 / LA / Exp. 04.24; Road Safety Professional Level 1#810 / LA / Exp. 03.25; ATSSA Traffic Control Flagger / Exp. 05.26; Supervisor / Exp. 05/26; LADOTD Traffic Engineering Analysis Process and Report Module 1, 2, 3	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer development of project feasibility reports, design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications and construction support.	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Marino is a Transportation Engineer performing roadway design, traffic impact analysis and traffic signal design. His experience includes scoping, cost estimation and construction scheduling. To date, Taylor has provided project engineering for studies, design, and/or construction engineering and inspection on 27 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP) throughout the state, in both rural and urban areas. He is proficient with AASHTO, MUTCD and LADOTD requirements.
07/22 – Ongoing	LADOTD H.013716: US167-Camellia Blvd-Churchill Drive, Lafayette, LA *Project Engineer* for this pedestrian enhancement, sidewalks, signing and pavement marking project. Taylor is responsible for project design, budgeting, and scheduling for this contract. He developed project concepts, quantity take-offs, cost estimating, and provided client/LPA coordination for the construction of sidewalks and ADA compliant handicapped curbed ramps, crosswalks, pedestrian signals and audible push buttons. A pedestrian traffic study was conducted as part of this safety design project in order to investigate the marked crosswalks warrants needed to stripe the crossings of a state route.
08/21 – Ongoing	LADOTD H.013083: Iberia Parish Jefferson Island Sidewalks, New Iberia, LA *Project Engineer* for this sidewalk enhancement and drainage project. Taylor is responsible for project design, budgeting, and scheduling for this contract. He developed project concepts, quantity take-offs, cost estimating, and provided client/LPA coordination for this LSRP project involving the addition of 1,470 linear feet of 5-foot-wide sidewalks for students to access Westgate High School and Sugarland Elementary School. ADA-compliant ramps will be installed in front of the schools. The installation of this sidewalk will also require the enclosure of two (2) roadside drainage ditches with storm drain pipe, drop inlets, manholes, and pipe end treatments.
05/21 – Ongoing	LADOTD H.011196.5: Lake Charles SRTS Project-Barbe Elem Calcasieu, Lake Charles, LA *Project Engineer* for this sidewalk enhancement project. The project involves new and reconstructed sidewalks along five (5) streets surrounding Barbe Elementary School. Taylor is responsible for project design, budgeting, and scheduling for this contract. He developed project concepts, quantity take-offs, cost estimating, and provided client/LPA coordination for this SRTS project providing point repairs along stretches of existing sidewalk as well as new sidewalk and ADA-compliant ramps

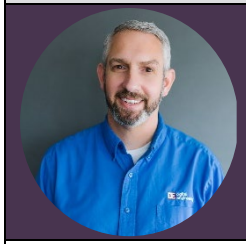
	along Penn St., Hazel St., Cypress St., and W. 18th. St. This project encountered a major existing grade difference from back of curb to ROW line that resulted in a geotechnical boring to be necessary to design a sheet pile retaining wall to connect the proposed sidewalk to an existing vehicular bridge.
11/18 – Ongoing	LADOTD H.013090: Gretna Downtown Intersection, Gretna, LA *Project Engineer* this pedestrian enhancement, sidewalks, signing and pavement marking project. Taylor serves as the Project Engineer responsible for project design, budgeting, and scheduling for this project. He developed project concepts, quantity take-offs, cost estimating, and provided client/LPA coordination for this SRTPP project involving the replacement of existing sidewalk with new sidewalks and ADA compliant handicapped curbed ramp, along with bulb outs at some the intersections to improve parking and decrease pedestrian walking lengths. This project also includes the reconstruction of traffic signal systems at two intersections, as well as the removal of span wire signals and replacement with mast arms. A pedestrian traffic study was conducted to investigate the marked crosswalks warrants needed to stripe the crossings of a state route and a pedestrian signal and audible push buttons are also proposed.
11/17 – Ongoing	LADOTD H.009308: New Orleans DPW SRTS Sidewalk Project, New Orleans, LA *Project Engineer* for this pedestrian enhancement, sidewalk, signing, and pavement marking, and road safety improvement project. He was responsible for assisting with the feasibility report, design, cost estimation, and scheduling for this contract involving the development of a feasibility study and engineering plans and non-standard specifications for the installation of 5' concrete sidewalks, 10' wide multi-use paths, road diet bike lanes, HAWK Pedestrian Hybrid Beacon, solar powered school zone flashing beacon, ADA compliant curb ramps and pedestrian crosswalks, and pedestrian countdown signal heads with accessible pedestrian pushbuttons.
09/17 – 11/19	LADOTD H.013082: Gretna Sidewalks and Safety, Gretna, LA *Project Engineer* for project design, budgeting, and scheduling for this contract involving the replacement of existing sidewalk with new sidewalks and ADA compliant handicapped curbed ramps on 4th St. (from Huey P. Long Ave. to Dolhonde) and Huey P. Long Ave. (from 4th St. to 5th St.). This SRTTP project will also include bulb outs at some the intersections to improve parking and decrease pedestrian walking lengths. All work will be in accordance with AASHTO, MUTCD, ADA, and LADOTD requirements.
09/17 – 12/21	LADOTD H.013082: Bootlegger Road Sidewalks, St. Tammany Parish, LA *Project Engineer* for Stage 0 Feasibility Study, project design, cost estimating, and scheduling for this contract involving alternatives of a 6' wide sidewalk on the north side of Bootlegger Road or a 10' wide shared use path on the south side of the road. This sidewalk will connect neighborhoods to the existing park and school and is part of a phasing plan that will ultimately connect LA1077 to Ochsner Boulevard. Ultimately the north sidewalk was chosen as the feasibility study determined the south option not constructible within the project budget. The feasibility study phase is complete, and design is in the final design plan stages. During construction of this project, he also assisted LDOTD's CE&I consultant on addressing obstructions that were uncovered during the excavation for the path installation.
03/17 – 04/17	LADOTD H.012479: Audubon Avenue and Ardoyne Drive Mini Roundabout, Thibodaux, LA *Engineer Intern* for this road safety improvement project involving feasibility study, design of the improvements, geometric layout, cost estimating, plan preparation, development of technical specifications (TS), development of constructability and biddability forms.

Firm employed by	digital engineering		
Name	Michael Flynn, P.E.	Years of relevant experience with this employer	5
Title	Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		PE.0044902 / LA / Exp. 03/24 LADOTD Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer responsible development of project feasibility reports, design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications and construction support	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Flynn serves as a Project Engineer in DE's Kenner office for both transportation and storm water projects that help to maintain or improve infrastructure in South Louisiana. Prior to joining DE, Michael served as an Engineer Intern at LADOTD where he performed inspections, completed field tests, managed scheduling, and developed price estimates and quantities for transportation projects such as roadway rehabilitation or new roadway construction.
8/21 – 5/23	LADOTD H.013772: Signing & Striping (Acadia), Acadia Parish, LA *Project Engineer* responsible for the design and development of the final plans and construction cost estimate for the signing and striping along six local roadways and fifteen horizontal curves in Acadia Parish, as outlined in the sponsor's application and the scoping report developed by LADOTD. Michael conducted site visits to the local roads included in the project to complete site assessments and to perform ball-bank testing on roadway curves. The results of the ball-bank testing were used to determine the appropriate horizontal alignment warning signage and advisory speeds for roadway curves included in this LRSP project.
04/23 – Ongoing	LADOTD H.015010: Local Road Striping & Signing (Bossier), Bossier Parish, LA *Project Engineer* responsible for the design and development of the final plans and construction cost estimate for signing and striping plans, "low cost" safety improvements along eight local roadways in Bossier Parish as outlined in the sponsor's application and the scoping report developed by LADOTD. Michael conducted site visits to the local roads included in the project in order to create an inventory of all existing signage and striping on the included roadways using a GIS system developed by members of DE. Additionally, he completed ball-bank testing for all roadway curves located along the local routes included in the project. The results of the ball-bank testing will be used to determine appropriate horizontal curve warning signage and advisory speeds in the roadway curves for this LRSP Project.

8/21 – 07/22	LADOTD H.013789: Curve Signing and Striping (Evangeline), Evangeline Parish, LA *Project Engineer* responsible for the design and development of the final plans and construction cost estimate for signing and striping for 17 sites throughout Evangeline Parish. Michael conducted site visits to the local roads included in the project to complete site assessments and to perform ball-bank testing. He attended meetings with LADOTD staff for development of plan requirements for future signage and striping plans developed for these Safety Program projects. From these meetings, it was agreed that the plans developed for this LRSP project would be utilized as a template for future signing and striping plan requirements developed for the Safety Program projects.
09/18 – 08/22	LADOTD H.009308: New Orleans DPW SRTS Sidewalk Project, New Orleans, LA *Project Engineer* for this pedestrian enhancement, sidewalk, signing and pavement marking, and road safety project. He is responsible for site visits to determine where existing sidewalks and handicap ramps in the project area are suitable for ADA standards, and where sidewalks and handicap ramps must be replaced or added to comply with ADA standards. During the design phase, duties include the development of engineering plans and typical sections for or the installation of 5' concrete sidewalks, 10' wide multi-use paths, road diet bike lanes, HAWK Pedestrian Hybrid Beacon, solar powered school zone flashing beacon, ADA compliant curb ramps and pedestrian crosswalks, and pedestrian countdown signal heads with accessible pedestrian pushbuttons. During construction, the LPA requested a change to the striping along a roadway, Bienville Street, in this project. Michael provided Construction Support services by developing of the change order plans necessary for the implementation of the revised striping.
09/17 – Ongoing	LADOTD H.013094: Broad Street-Read Boulevard Pedestrian Intersection Enhancements, New Orleans, LA *Project Engineer* Stage 0 Feasibility Study and is currently in design for this Safe Route to Public Places funded pedestrian enhancement and sidewalk project. During construction, the LPA requested a change to the striping along a roadway, Bienville Street, in this project. Michael assisted in the development and approval of the change order plans for this revision.
09/19 – 01/21	LADOTD H.009175: St. Bernard Signing and Striping, St. Bernard Parish, LA *Project Engineer* for this signing and pavement marking project to implement low-cost safety improvements, funded by the Local Road Safety Program, on local roads in St. Bernard Parish. He is responsible for working with the LADOTD and St. Bernard Parish to develop a scoping report, quantity takeoffs, and cost estimating for the project. During the scoping and design phase, he utilized the CRASH3 database to analyze crash data to determine which roads had traffic safety issues that could best be alleviated by low-cost safety improvements (signing, striping, Rapid Flashing Beacons). He also had to work with St. Bernard to install bikeway signage and striping that on local roads that qualified for federal funding.
09/19 – 02/21	LADOTD H.011949: RWD Signing Plaquemines, Belle Chasse, LA *Project Engineer* for this signing and pavement marking project to implement low-cost safety improvements, funded by the Local Road Safety Program, on local roads in Plaquemines Parish. He is responsible for working with the LADOTD and Plaquemines Parish to develop a scoping report, cost takeoffs, and cost estimating for the project. During the scoping and design phase, he utilized the CRASH3 database to analyze crash data to determine which roads had traffic safety issues that could best be alleviated by low-cost safety improvements (signing, striping, Rapid Flashing Beacons).

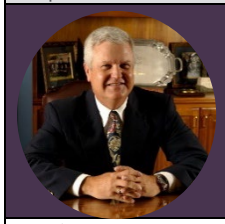
Firm employed by	digital engineering		
Name	Michael Cochran	Years of relevant experience with this employer	7
Title	CAD Technician	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		AS/2003/Drafting and Design Technology	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities.		CAD Support / Responsible for Drafting Support Services	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Cochran has over 17 years of experience in preparing plans and specifications for projects ranging from roadway design to flood protection, utilities, and structural projects throughout coastal Louisiana. Mickey has provided design support for 28 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP) throughout the state, in both rural and urban areas. Mickey is proficient with AutoCAD, AutoCAD Civil 3D, Architectural Desktop (AutoCAD), Revit Structural (3D Modeling) and Sketchup.
11/19 – 12/21	LADOTD H.013082: Bootlegger Road Shared Use Path, St. Tammany Parish, LA *CAD Technician* for ***Stage 0 Feasibility Study*** and project design for this contract involving alternatives of a 6' wide sidewalk on the north side of Bootlegger Road or a 10' wide shared use path on the south side of the road. This sidewalk will ***safely connect neighborhoods to the existing park and school*** and is part of a phasing plan that will ultimately connect LA1077 to Ochsner Boulevard. Ultimately the north sidewalk was chosen as the feasibility study determined the south option not constructible within the project budget. The feasibility study phase is complete, and design is in the final design plan stages. He is responsible for drafting all plan sheets including the typical sections, design, plan, and profile, detailing and cross sections.
06/16 – 10/18	LADOTD H.012479: Audubon Avenue and Ardoyne Drive Mini Roundabout, Thibodaux, LA *CAD Technician* for this ***road safety improvement*** project involving ***feasibility study***, design of the improvements, geometric layout, cost estimating, plan preparation, development of technical specifications (TS), development of constructability and biddability forms. The scope of this project involved the installation of a new mini-roundabout at the intersection of Audubon Avenue and Ardoyne Drive.
12/16 – 10/18	LADOTD H.006524: Gretna Sidewalks and Safety Improvements, Gretna, LA *CAD Technician* for this ***pedestrian enhancement, sidewalk, and road safety improvement project*** to design to repair the existing pedestrian sidewalks and crosswalks in the vicinity of St. Anthony Elementary School, McDonogh #26 Elementary School, William Hart Elementary School, and Shirley Johnson/Gretna Park Elementary Schools. He was responsible for the plan layout and detailing of sidewalks/handicapped ramps alongside each school.
01/19 - ongoing	LADOTD H.013090: Downtown Pedestrian Improvements, Gretna, LA *CAD Technician* for design of ***safety improvements*** and repairs to the existing pedestrian sidewalks and crosswalks along 4th St. from Dolhonde St. thru Huey P. Long Ave. and along Huey P. Long Ave. from 4th St. thru 5th St. He was responsible for plan layouts and detailing of sidewalks/handicapped ramps along these routes.

Firm employed by	digital engineering			
Name	Donnie Wittke		Years of relevant experience with this employer	9
Title	CAD Technician		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			AS/2002/Drafting and Design Technology	
Active registration number / state / expiration date			NA	
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities.			CAD Support / Responsible for Drafting Support Services	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Wittke has over 15 years of experience in CADD design and drafting for transportation, coastal, drainage, and flood control projects. He is FAA certified to fly drones and routinely takes video footage of project conditions to provide existing and preliminary visual assessments of projects. Donnie has provided design support for 33 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP) throughout the state, in both rural and urban areas.
11/19-12/21	**LADOTD H.013082: Bootlegger Road Shared Use Path, St. Tammany Parish, LA** *CAD Technician* for this sidewalk project with drainage involving the design o f a 4,660' long by 6' wide ADA-compliant concrete sidewalk that will allow pedestrians to walk to the nearby school and Coquille Sports and Recreation Center. He is responsible for drafting all plan sheets including the typical sections, design, plan and profile, detailing and cross sections.
06/16 – 10/18	**LADOTD H.012479: Audubon Avenue and Ardoyne Drive Mini Roundabout, Thibodaux, LA** *CAD Technician* for the design, plan organization, and coordination for this project. He is responsible for drafting all plan sheets including the typical sections, design, plan and profile, detailing, and cross sections.
01/16 –09/17	**LADOTD** H.006567**: Pedestrian Crosswalk Enhancements Phase I, New Orleans, LA** *CAD Technician* for this pedestrian enhancement, signing and pavement marking, and road safety project. The scope of this project involved pedestrian safety enhancement of 44 intersections within the Central Business District of downtown New Orleans through the installation of LED countdown pedestrian signal heads, installation of roadway striping for crosswalks, and installation of ADA compliant handicap sidewalks and curb ramps. He was responsible for drafting all plan sheets.
09/17 – 01/20	**LADOTD H.012682: Pedestrian Crosswalk Enhancements Phase II, New Orleans, LA** *CAD Technician* for pedestrian enhancement, signing and pavement marking, and road safety improvement project. Scope included design, plan organization and coordination for this pedestrian signal head implementation project. He was responsible for drafting all plan sheets including the design, traffic signage, and all detailing.
12/16-10/18	**LADOTD H.009460.5-2: St. Tammany Parish Signing and Striping, St. Tammany Parish, LA** *CAD Technician* for design to provide new double yellow striping and raised reflectorized pavement markers, outer lane edge striping, advisory speed plaques, and directional advisory signage at all curve locations.

Firm employed by	GOTECH, Inc		
Name	Bruce Dyson, P.E., PLS	Years of relevant experience with this employer	29
Title	General Manager	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		BS / 1978 / Civil Engineering	
Active registration number / state / expiration date		PE.20162 / LA / Exp. 03.24; PLS 4670 / LA / 03.24 Traffic Control Technician – ATSSA Expires 06/21/2026; Traffic Control Supervisor – ATSSA; Exp. 06.26; Registered Flagger – ATSSA Exp. 08.26	
Year registered	1982; 1992	Discipline	Civil Engineering / Professional Land Surveyor
Contract role(s) / brief description of responsibilities.		Survey Lead responsible for topographic surveying and ROW mapping services; Meets MPR 4	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Dyson has been involved in a variety of survey projects. He is experienced in the areas of civil engineering, project management, construction administration and management, and cost estimating. Specific areas of expertise include drainage improvements, land surveying and flood control. He has supervised up to five survey crews at GOTECH working on a variety of public and private contracts such as contracts with LA DOTD, US Army Corps of Engineers, Federal Aviation Administration, Parish governments, and New Orleans Sewerage & Water Board.
04/15 - Present	LADOTD H.009320: Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place), Thibodaux, LA *Engineering / Survey Manager* providing professional supervision and project management oversight for the right-of-way mapping services to support parcel acquisition required for design of a new road roundabout in Thibodeaux, Louisiana. Project included field property surveys performed to DOTD survey standards and parcel title work reviews of affected properties. Final right-of-way map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established DOTD Location and Survey delivery requirements.
10/17 - 03/18	LADOTD H. 012602.5: I-10 at Morrison Rd Interstate Lighting, Orleans Parish, LA *Engineering / Surveyor Manager* for supervision and project management of topographic surveys to support various interstate lighting design projects. The projects included static GPS control surveys and topographic field surveys performed to DOTD survey standards within the full limits of the highway interchange. The survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations, and structure data on elevated portions of the interstate bridge overpass. Final deliverables, and MicroStation mapping files, were certified and submitted in accordance with established DOTD Location and Survey delivery requirements.
02/14 - 11/16	LADOTD H.007855: LA Hwy 431 at LA Hwy 934 Intersection Improvements, Ascension Parish, LA *Quality Control Reviewer* for topographic surveying and mapping services for the project. The work was located in Ascension Parish on what are currently two-lane highways with narrow shoulders and adjacent open ditch drainage. The topographic map showed existing features as pavement, ditches, culverts, lighting, signs, utility poles, traffic controls, driveways, and other utilities. GOTECH also developed an existing drainage map for the project. The watershed covered approximately 25 acres of contributing drainage area.

Firm employed by	GOTECH, Inc			
Name	Robert Price, P.L.S.		Years of relevant experience with this employer	5
Title	Director of Operations		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			Master of Science / 2009 / Engineering & Technology Management Bachelor of Science / 1997 / Survey & Mapping Bachelor of Science / 1993 / Industrial Technology & Building Construction	
Active registration number / state / expiration date			P.L.S. License No. 4889 / LA / 3.24; Traffic Control Technician – ATSSA Expires 06.26; Traffic Control Supervisor – ATSSA Expires 06.26; Registered Flagger – ATSSA Expires 08.26	
Year registered	1992	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities.			Surveyor responsible for topographic surveys and ROW mapping services; Meets MPR 4	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Robert Price is a Licensed Professional Land Surveyor with more than 20 years of experience in land surveying and mapping; project management; and personnel management. He has provided surveying and utility location designation support for pipelines, road improvement, LNG facilities, oil and gas well locations, and private development projects.
04/15 - Present	LADOTD H.009320: Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place), Thibodaux, LA *Professional Land Surveyor* providing professional supervision and project management oversight for the right-of-way mapping services to support parcel acquisition required for design of a new road roundabout in Thibodeaux, Louisiana. Project included field property surveys performed to DOTD survey standards and parcel title work reviews of affected properties. Final right-of-way map and parcel description deliverables, along with MicroStation parcel mapping files, were reviewed and submitted in accordance with established DOTD Location and Survey delivery requirements.
10/17 - Present	Move Ascension Henry Road Safety Widening (LA 73 Tillotson Road/Akins Road) Ascension Parish, LA *Project Manager* providing the topographic surveying and mapping services to support the design and right-of-way acquisition for the Move Ascension - Henry Road widening project. Project surveys were in support of new design to widen approximately 8-miles of roadway in Ascension Parish.
04/18 - 06/18	LADOTD H.012479: Local Road Safety Program / Safe Routes to School Peltier Park Sidewalks *Survey Project Manager* managing the topographic survey to support design for various sidewalk, driveway and handicapped curbed ramp improvements along the perimeter of Peltier Park in Thibodeaux, Louisiana. Project field activities included a 2,400-linear foot existing conditions and utility survey utilizing Louisiana DOTD electronic data collection standards. The final deliverables for the project consisted of detailed plan/profile sheets drawn for the project alignment.

05/17 - 07/17	LADOTD Contract No. 4400005660; State Project No. H.012874.5: I-55 at Hwy 22 Interchange Lighting, Tangipahoa Parish, LA *Survey Project Manager* managing the topographic and utility location survey services in support of design plans and specifications for the I-55 at LA Hwy 22 Interchange Lighting in Tangipahoa Parish. Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-55 Interchange with LA Highway 22. The topographic survey included data collected on the highway crossing exit/entrance ramps and elevated overpasses in addition to the location of both above ground and subsurface utilities required to facilitate design of lighting structures. All final deliverables were certified and submitted in strict accordance with DOTD Location and Survey standards.
10/17 - 03/18	LADOTD Contract No. 4400002746; State Project No. H.012602.5: I-10 at Morrison Rd Interstate Lighting, Orleans Parish, LA *Professional Land Surveyor* with supervision and project management of topographic surveys to support various interstate lighting design projects. The projects included static GPS control surveys and topographic field surveys performed to DOTD survey standards within the full limits of the highway interchange. The survey field information gathered included roadway surface features, drainage structures, designated subsurface utility locations, and structure data on elevated portions of the interstate bridge overpass. Final deliverables, and MicroStation mapping files, were certified and submitted in accordance with established DOTD Location and survey delivery requirements.
08/03 - 10/07	LADOTD U.S Hwy 165, Georgetown to Tullos, Grant and LaSalle Parishes, LA *Survey Coordinator* responsible for deed research and property monument recovery in connection with the property survey along a six (6) mile section of the existing U.S. Hwy 165 roadway from Georgetown to Tullos. The survey consisted of locating and retracing the boundary lines of approximately 100 property owners. Several restorations of Public Land Survey corners were undertaken as required in the determination of boundary lines.

Firm employed by	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BS / 1988 / Civil Engineering	
Active registration number / state / expiration date		PE.0025383 / LA / Exp. 09/2023	
Year registered	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews; Meets MPR 5	

Experience dates	Experience and qualifications relevant to the proposed contract
07/19 – current	**MOVEBR New Capacity Projects Program Management. Baton Rouge, LA** *Lead Traffic Engineer* for entire the New Capacity Projects program management team. Reviews all traffic engineering scope of services, traffic / speed data collection, traffic design studies, traffic signal design plans, and safety studies.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA** *Project manager* for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at the Tanger Boulevard. Developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17 – 04/18	**US 11 at US 190 Bus. Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA** Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
09/16 – 04/17	**H.004490 Stage 0 Roundabout Studies, Lafayette Parish, LA** Brin developed sections of a Stage 0 Feasibility Study for roundabouts the conformed to DOTD EDSMs and Traffic Engineering Manual Section 20.2 at ten intersections in the Lafayette area. Collected 7-day, 24-hour counts w/ classification, turning movement counts for AM and PM peak periods and speed data for mainlines. Brin provide a QC review of the Sidra analyses and developed traffic signal timing for 3 intersections for Years 2019 and 2039, AM & PM peak hours and developed a crash analysis as defined in Section 20.2 of TEM. CMF factors were identified for the preferred alternative to predict the number of crashes that could be eliminated. Brin provided a QC review of the final draft.

04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project, Baton Rouge, LA *Project Engineer* responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
09/13 – 04/14	S.P. 700-99-0477 Jefferson Hwy. Signal Design, Baton Rouge, LA Ms. Ferlito designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	Airline Hwy Widening SPN 700-99-0332, Baton Rouge, LA Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172, Baton Rouge, LA Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

Firm employed by	Vectura Consulting Services, LLC		
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP	Years of relevant experience with this employer	7
Title	Principal	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering; MS / 2006 / Civil Engineering (Transportation Focus) MBA / 2010	
Active registration number / state / expiration date		PE.0029901 / LA / Exp. 03/2024	
Year registered		Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews; Meets MPR 5	

Experience dates	Experience and qualifications relevant to the proposed contract
07/19 – current	**MOVEBR New Capacity Projects Program Management, Baton Rouge, LA** At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
02/20 – 09/21	**College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA** *Project Manager* to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements at College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
10/17 - 10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study, Lafayette, LA** *Lead Transportation Engineer* for a Corridor Planning Study focused on improving safety and mobility for pedestrian, bicycle, and transit users. Collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Performed HCM analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
09/16 - 04/17	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA)** *Lead Traffic Engineer* for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Developed a VISSIM traffic simulation model of the preferred alternative.

06/16 - 09/17	**H.004490 Stage 0 Roundabout Studies, Lafayette Parish, LA** Laurence performed a Stage 0 Feasibility Study for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Collected 7-day, 24-hour counts w/ classification, turning movement counts for peak periods and speed data for mainlines. Performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized and roundabout analyses. After the analyses were completed, Laurence developed a report that captured the results.
03/10 - 11/11	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector, Shreveport, LA** This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
09/06 - 09/07	**EBR 06-CS-HC-00012 Downtown Baton Rouge Signal Project, Baton Rouge, LA** Laurence was the Project Manager to develop construction plans to upgrade 29 signals in downtown Baton Rouge as part of the EBR Green Light Plan. Laurence developed a design study that included **traffic data collection**, handicap ramp recommendations, countdown pedestrian signals and internally illuminated street name signs.
04/04 - 09/06	**Stage 0 I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA** Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

Firm employed by	Vectura Consulting Services, LLC		
Name	Kristen Gahagan Farrington, PE, PTOE, RSP1	Years of relevant experience with this employer	2
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042785 / LA / 3/2025	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates	Experience and qualifications relevant to the proposed contract
04/21 - current	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project, Baton Rouge, LA** *Project engineer* for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	**H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study, Baton Rouge, LA** *Project engineer* for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	**MOVEBR College Drive Enhancement Project, Baton Rouge, LA** Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
04/19 – 6/21	**H.013817.1 LA 117 Improvements Stage 0, Vernon and Natchitoches Parishes, LA** *Project engineer* responsible for a **Stage 0** study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the **Stage 0** report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.

Firm employed by	Vectura Consulting Services, LLC		
Name	Reece Rodrigue, PE, PTOE, RSP$_1$	Years of relevant experience with this employer	3
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE. 0042074 / LA / 3/31/2024	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer for Traffic Control Design, Traffic Signal Analysis and Design / TMPs / Peer Reviews	

Experience dates	Experience and qualifications relevant to the proposed contract
04/21 - current	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA *Project Engineer* for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
04/20 - current	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA *Project Engineer* who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd. The design of the temporary signals is set for eight phases of construction per anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Responsible for producing the traffic impact analysis portion of the Traffic Management Plan used in planning for the permanent and temporary signal timing plans. Produced permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated STOP bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. Maintains correspondence with the fellow design engineering team for product consistency. Reviewed and approved shop drawings that were submitted by the contractor.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA *Task leader* for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA Responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.

Firm employed by	ELOS		
Name	Lucas Watkins	Years of relevant experience with this employer	15
Title	President	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		MS, Biological Sciences, Southeastern Louisiana University, 2005 BS, Forest Management, Louisiana State University, 2000	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities.		Lead – Permit application preparation	

Experience dates	Experience and qualifications relevant to the proposed contract
	Lucas Watkins is the President and founding Principal of ELOS. His experience includes environmental regulatory compliance and project management. This includes the management of large-scale, multi-faceted projects, such as disaster recovery debris removal efforts, wetland restoration implementation, government grant management, and complex construction projects. His key strengths include wetland delineations, wetland permitting, wetland restoration, NEPA compliance, ASTM Phase I ESAs, stormwater management, FERC regulatory overview and guidance, endangered species surveys, and timber and forest management. He has substantial experience in permitting municipal infrastructure, levees, borrow pits, oil and gas exploration, productions, and transmission activities as well as working on other public and private sector environmental-related issues. Mr. Watkins works to ensure that ELOS acquires the best tools and techniques to guarantee efficient and cost-effective delivery of services to clients.
2017-2018	I-10 Highland to LA 73 Design Build, East Baton Rouge Parish to Ascension Parish, LA *Environmental Compliance Manager* for this project overseeing all aspects of the project to ensure efficiency and quality work. He was responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville.
2017-Present	Move Ascension Environmental Services, Ascension Parish, LA *Project Supervisor* responsible for staff oversight with to performance of wetland delineations, as well as cultural resource field investigations. Mr. Watkins has also assisted the team with permitting all roadway permits as part of this wetland delineations, cultural resource consultation, and permitting consultation contract for multiple roadway projects.
2016	Tangipahoa Parish Emergency Watershed Protection Debris Removal Project, Tangipahoa Parish, LA Principal in Charge responsible for program process oversight, which supported the Drainage District in obtaining funding from the Natural Resources Conservation Service (NRCS) through the Emergency Watershed Protection (EWP) Program for the removal of debris from canals throughout the Parish. Mr. Watkins provided professional environmental scientists to survey the canals and inventory-related debris obstructing the canals. His efforts included coordinating with the USACE DNR to obtain the necessary permits and procedural services to allow the Parish to clear debris from the parish's waterways as part of this permitting assistance, wetland delineation services, and data collection project for multiple canals throughout the parish as a result of flooding during the storms in August of 2016.

Firm employed by	ELOS		
Name	Brian Fortson	Years of relevant experience with this employer	9
Title	Senior Project Manager	Years of relevant experience with other employer(s)	30+
Degree(s) / Years / Specialization		BS, Wetland Ecology, Southeastern Louisiana University, 1995 JD, Civil Law, Loyola University School of Law, 2006	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities.		Environmental Manager responsible for permit applications	

Experience dates	Experience and qualifications relevant to the proposed contract
	With ELOS, Mr. Fortson leads permitting efforts for multiple projects for local development and infrastructure improvement efforts. Mr. Fortson provides technical expertise on many other projects for which he is not the lead scientist. Mr. Fortson served as a Planning Technician, Land Use Planner, Environmental Specialist, and Coastal Wetland and Environmental Resources Manager for St. Tammany Parish Government from 1988 to 2013. He was responsible for the administration of the St. Tammany Parish Local Coastal Program under the Coastal Zone Management Act and was responsible for managing the natural resource permitting efforts for Parish Government. Mr. Fortson was the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) representative for St. Tammany Parish beginning with Project Priority List 1 and has proposed and presented multiple coastal restoration projects and facilitated the approval of projects through the permitting process.
03/22-Present	LADOTD H. 014265: North River Road Bridge, Tangipahoa Parish, LA *Project Manager* responsible for preparing a wetland delineation report to obtain a jurisdictional determination from USACE for the 7-acre project area, as well as assist with SOVs.
03/22-Present	LADOTD H.014267: Savanne Road Bridge Terrebonne Parish, LA *Project Manager responsible for* oversight for collecting data and preparing a wetland delineation report to obtain a jurisdictional determination from USACE for the 7-acre project area, as well as assist with SOVs.
03/22-Present	Lock No. 2 Bridge Replacement, St. Tammany Parish, LA *Project Manager* responsible for oversight of wetland delineation to USACE to determine the potential jurisdictional wetlands and other waters. He also provides management oversight for the Threatened & Endangered (T&E) species survey and coordinates with the SHPO to complete the section 106 desktop review for this wetland delineation, permit application, SHPO Section 106 desktop review and consultation, and USFWS ESA desktop biological assessment for the St. Tammany Parish Lock No. 2 Bridge Replacement project located on a 1.75-acre site.
01/22-Present	Breaux Bridge Manor Phase III, St. Martin Parish, LA *Project Manager* for data collection and preparation of a report to support a wetland delineation and request a jurisdictional determination from USACE within an approximately 400-acre total project area. He provides oversight and direction for the biology team conducting the wetland delineation. Mr. Fortson and his team obtained information for the wetland delineation report and coordinated between the client and government agencies.

Firm employed by	ELOS		
Name	Cory Ricks	Years of relevant experience with this employer	6
Title	Senior Project Manager	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS, Biology, Southeastern Louisiana University, 2015	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities.		Wetlands Delineation Specialist	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Ricks serves as ELOS's wetland delineation specialist. Mr. Ricks has led wetland delineation efforts for multiple projects for local development, mitigation banks, and infrastructure developments. He has assisted with National Environmental Policy Act (NEPA) documentation, permitting, wetland delineations, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist with a variety of environmental and debris monitoring projects.
10/21-Present	**Fox Hollow Bridge II, Tangipahoa Parish, LA** *Environmental Scientist* responsible for performing a wetland delineation to submit a permit application to USACE to authorize the proposed activities for one layout design on approximately 1 acre for the Fox Hollow Bridge Project.
07/21-Present	**LA Trace Road Widening, Livingston Parish, LA** Wetlands Delineation Specialist responsible for performing wetland delineation and assisted with GIS services for this contract to collect data and prepare a report to support a wetland delineation to obtain a jurisdictional determination from USACE and submit a joint permit application for the widening of a 0.25-mile corridor of LA Trace Road .
2017-Present	**Move Ascension Environmental Services, Ascension Parish, LA** Environmental Scientist responsible for team of field members to perform the wetland delineations. Assisted ELOS's culture resource department with field investigations. Assisted in permitting all roadway permits as part of this contract to perform wetland delineations, cultural resource consultation, and permitting consultation for multiple roadway projects located in Ascension Parish.
2016-2020	**LA 3234 Extension: LA 1065 to Hammond Airport Environmental Assessment, Tangipahoa Parish, LA** *Environmental Scientist* responsible for performing the wetland delineation for all three routes and provided a report of the findings. Assisted in GIS mapping of the Wetlands Findings Report, Phase 1 Environmental Assessment Survey, and the Biological Assessment Survey. Provided a report of the threatened and endangered species known in the project area. Mr. Ricks led efforts on providing stream and waterbody data for each report as part of this contract to perform environmental services including preparing estimates of environmental mitigation costs where ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation.

LADOTD S.P. H.009175
St. Bernard Signs and Striping
Local Roads Safety Program

17. Firm Experience:

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*		Other (Safety Program – SRTPP)
Project name	Broad Street - Read Boulevard Pedestrian Improvements			Firm responsibility (prime or sub?)	Prime
Project number	H.013094	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	New Orleans, LA		Owner's Project Manager		Laura Riggs, P.E.
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1143, laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	09/17		Total consultant contract cost ($1,000's)		$255
Services completed by this firm (mm/yy)	02/18		Cost of consultant services provided by this firm ($1,000's)		$255

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

PEDESTRIAN ENHANCEMENT & SIDEWALKS | LADOTD SAFE ROUTE TO PUBLIC PLACES

DE provided a Stage 0 Feasibility Study and is currently in design for this project that seeks to increase the number of pedestrians who walk or ride bikes in the City of New Orleans. The two project locations include a 3/4-mile portion of the Broad Street corridor from Tulane Avenue to Lafitte Greenway Bike Path and a 1/4-mile length of roadway along Read Boulevard that exists under Interstate 10 from the north service road to the south service road.

The project scope for the Broad Street section of this project includes removal and replacement of existing concrete walks, drives and pavement, LED pedestrian countdown signal heads at signalized intersections (w/ APS), and the installation of two High-Intensity Activated crosswalk (HAWK) signals at the intersection of Broad and the Lafitte Greenway. This section of the project also incorporates the milling and overlaying of Broad Street as request by LDOTD's Pavement Preservation Section. Due to the heavy pedestrian traffic, a very specialized construction phasing and pedestrian access plan was developed.

The project scope for the Read Boulevard section of the project includes the removal of existing concrete walks and replacing with shared-use paths along Read Boulevard from the North I-10 Service Road to the South I-10 Service Road. Handicapped curb ramps will be added at all intersections and on/off ramp crosswalks. Appropriate crosswalk striping will be removed and replaced to be at all crossings along this stretch of the project. LED pedestrian countdown signal heads will be added to the existing I-10 Service Road locations. During the Feasibility phase, extensive outreach was required on the Broad Street portion of the project as it is a major business corridor and includes some portions in New Orleans' historical district.

Key Personnel: Frank Liang, P.E., PTOE, David LeBreton, P.E., PTOE, PTP, RSP$_1$, Stephanie Turner, P.E., Taylor Marino, P.E., PTOE, RSP$_1$, Michael Flynn, P.E.

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	St. Bernard Signing and Striping		Firm responsibility (prime or sub?)	Prime	
Project number	H.09175	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Chalmette, LA		Owner's Project Manager	Laura Riggs, P.E.	
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1143, laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	08/19		Total consultant contract cost ($1,000's)	$65	
Services completed by this firm (mm/yy)	06/21		Cost of consultant services provided by this firm ($1,000's)	$320	

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

SIGNING AND PAVEMENT MARKINGS | LADOTD ROAD SAFETY IMPROVEMENTS PROJECT

Digital Engineering (DE) was selected by the DOTD to develop the scoping report and the design of a project in St. Bernard Parish under the Local Road Safety Program (LRSP). The LRSP provides federal funding for low cost safety improvements (signing and striping) that are to be installed on local roads; state highways do not qualify for the funding. St. Bernard also had a bikeways project in the planning stages so any signage or striping that improves roadway safety as part of the bikeways project could also be included in this project, as long as the work was on a qualified road. This project seeks to provide safe roadway and roadside conditions for the public in an effort to protect drivers and cyclists from accidents by upgrading existing signage and striping and/or installing new roadside signage, pavement striping and raised pavement markers. Additionally, per a previous application by St. Bernard Parish, eight post mounted flashing beacons will also be installed as part of this project.

The scope of the project is to improve driver and cyclist safety through the installation of additional signage and striping in the problem areas throughout the parish. Crash data determined where the worst roads were in the Parish, and these roads were the focus of the low-cost safety improvements. Examples of low-cost safety improvements included in this project are the installation of additional signage at intersections, installation of edge line and gore striping to complete a lane diet, and the installation of raised reflectorized pavement markers, edge line striping, and centerline striping. Additionally, with coordination from the St. Bernard Parish Department of Public Works, shared lane pavement markings and shared lane signage will be installed according to the bikeway designations as mapped out in the St. Bernard Parish Bikeway & Pedestrian Plan Update.

To determine what roads qualified for funding, the crash data from the last five years needed to be analyzed. This required looking through crash databases that the DOTD keeps, and provided DE access to. Utilizing the crash data allowed problem areas to present themselves, and allowed DE to focus on those areas to get the most value out of the federal funding for St. Bernard Parish.

Key Personnel: Frank Liang, P.E., PTOE, David LeBreton, P.E., PTOE, PTP, RSP$_1$, Michael Flynn, P.E.

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*		Other (Safety Program – SRTPP)
Project name	Local Road Safety Program: Marconi Drive Shared-Use Path		Firm responsibility (prime or sub?)		Prime
Project number	H.012473	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	New Orleans, LA		Owner's Project Manager		Laura Riggs, P.E.
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1143, laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	02/17		Total consultant contract cost ($1,000's)		$135
Services completed by this firm (mm/yy)	10/19		Cost of consultant services provided by this firm ($1,000's)		$97

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

SIDEWALK AND PEDESTRIAN ENHANCEMENTS | LADOTD LOCAL ROAD SAFETY PROJECT

DE provided engineering services for the feasibility study and design to decrease the number of leisure bicyclists and pedestrians from traveling on Marconi Drive in New Orleans City Park by installing a new, 10-foot wide shared-use path along Marconi Drive within City Park, between Harrison Avenue and Zachary Taylor Drive. This new path connects to a recently completed shared-use path that terminates at the intersection of Harrison Avenue and Marconi Drive in City Park.

For the feasibility study, DE conducted meetings and site visits with LADOTD and New Orleans City Park representatives to further refine the goals and construction cost estimate of this project. A major hurdle of this project was determining the alignment of the proposed path due to the numerous 100+ year old live oak trees that lined the path's corridor along Marconi Drive. DE collaborated with a landscape architect and arborist to determine an alignment which would not jeopardize the health of the trees. All of the recommendations from the Feasibility Report could be constructed within the awarded grant amount. The scope for this project that was developed from the findings of the Feasibility Report was to construct over 3200 linear feet of 10' wide concrete shared-use path within the limits of City Park. For the 860 linear feet that is in conflict with tree roots, a raised boardwalk was designed to avoid the roots. The boardwalk includes curbing and scuppers for proper drainage and the decking is specified to be of a composite material for longevity. Handicapped curb ramps were also upgraded at intersections and high visibility crosswalk striping was placed at the request of the LPA.

A traffic engineering study was required for the approval of crosswalk striping for a midblock crossing at Magnolia Drive at the request of the LPA. This crossing was crucial for the shared-use path as Magnolia Drive is a main ingress/egress point into City Park. The study was coordinated with and approved by the District DTOE. Our team worked with the LPA on relocating parking along Marconi Drive and the removal and replacement of wooden bollards in the area, requiring a technical specification and design detail for the new ones being placed. The raised boardwalk also required special design details and a technical specification. All work was conducted in accordance with LADOTD standards and requirements and the latest edition of MUTCD. The AASHTO Guide for the Development of Bicycle Facilities was utilized during the design as well.

During the construction of this LRSP project, DE played a crucial role in ensuring the preservation of the 100+ year old oak trees along the entire project length. They provided assistance in the construction layout of the path, prioritizing the protection of these trees. DE participated in the construction of the proposed boardwalk, as there were concerns regarding the suitability of the composite material chosen and the stringer spacing and installation methods employed by the contractor. DE collaborated with LADOTD's CE&I consultant to review these concerns and offer guidance on the design concept and the contractor's installation approach.

Key Personnel: Frank Liang, P.E., PTOE; David LeBreton, P.E., PTOE, PTP, RSP1; Taylor Marino, P.E., PTOE, RSP1

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	Gretna Downtown Intersection		Firm responsibility (prime or sub?)	Prime	
Project number	H.013090	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Gretna, LA		Owner's Project Manager	Laura Riggs, P.E.	
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1143, laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	09/17		Total consultant contract cost ($1,000's)	$431	
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)	$145	

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

PEDESTRIAN ENHANCEMENT AND SIDEWALKS | LADOTD SAFE ROUTE TO PUBLIC PLACES

Digital Engineering (DE) is providing engineering design for this project that seeks to increase the number of pedestrians who walk around the downtown area in the City of Gretna. Intersection improvements are needed to make the area a safer place for pedestrians to travel without obstructions. The blocks to be included in this project include 4th Street from Huey P. Long Avenue (Northbound) to Dolhonde Street, Huey P. Long Avenue (Northbound and Southbound) from 4th Street to 5th Street, and 5th Street from Huey P. Long Avenue (Northbound) to Huey P. Long Avenue (Southbound).

Most of the existing sidewalks and concrete driveways are suggested to be removed and replaced with new concrete walks and drives to comply with ADA regulations. New handicapped curb ramps will be installed at all intersections that do not currently comply with these rules. Portland cement concrete pavement (eight inches thick) will be used to install bulb outs at some of the intersection turnouts to improve parking and to stop vehicles from traveling in the adjacent parking areas. Catch basins are being added at the intersections of 4th Street and Weyer Street and 4th Street and Derbigny Street to allow runoff to properly drain. These intersections will need special bridge-like handicapped curb ramps with paved ditches to drain effectively.

This project talso includes the reconstruction of traffic signal systems at two intersections, as well as the removal of span wire signals and replacement with mast arms. A pedestrian traffic study was conducted to investigate the marked crosswalks warrants needed to stripe the crossings of a state route and a pedestrian signal and audible push buttons are also proposed.

Coordination with the City will be extremely important due to the fact that an active train line exists on 4th Street. Trains travel regularly through the area around one to two times per day. Project goals and objectives defined for this project will be reviewed with the City of Gretna and will be revised as necessary. The objective of the project, in no particular order, is as follows:

- Construct concrete sidewalks
- Construct concrete driveways
- Place handicapped curb ramps
- Construct concrete bulb outs near existing street turnouts
- Place catch basis where necessary
- Adjust existing catch basins

Key Personnel: Frank Liang, P.E., PTOE, David LeBreton, P.E., PTOE, PTP, RSP$_1$, Taylor Marino, P.E., PTOE, RSP$_1$, Michael Flynn, P.E.

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	Audubon Avenue and Ardoyne Drive Mini Roundabout		Firm responsibility (prime or sub?)	Prime	
Project number	H.012479	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Thibodaux, LA		Owner's Project Manager	Laura Riggs, P.E.	
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1143, laura.riggs@la.gov				
Services commenced by this firm (mm/yy)	06/16		Total consultant contract cost ($1,000's)	$85	
Services completed by this firm (mm/yy)	10/18		Cost of consultant services provided by this firm ($1,000's)	$71	

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

LADOTD ROAD SAFETY IMPROVEMENTS

Completed Mini-Roundabout, the first in the State of Louisiana.

DE provided engineering services for the Stage 0 Feasibility Study and design of a new mini-roundabout at the intersection of Audubon Avenue and Ardoyne Drive in Thibodaux on Nicholls State University's campus. The goal of the installation of this mini-roundabout was to improve safety by eliminating the existing 4-legged approach's unconventional 3-way stop controlled intersection and reduce speeding and congestion at this intersection.

During the Feasibility Phase, DE met with the LPA and LRSP Project Manager to review the project goals, conduct a site visit, and prepare a project report that included a detailed project scope, cost estimates for engineering and construction, and a time schedule for project completion. Traffic and Accident Data was also investigated as part of this Study.

From the Stage 0 Feasibility Report, the design project scope was determined to provide for the design of a 15-foot-wide travel lane roundabout circle and a 50-foot diameter island in the center of the roundabout. The median island included a traversable curb and apron to allow heavy vehicles to maneuver through the roundabout intersection. The design also included entry curves and exit curves from all four directions at the intersection, with incorporation of splitter islands. Because of the amount of daily pedestrians, the campus has, crosswalks were incorporated as they were essential for this intersection. These crosswalks were placed at each leg along with the installation of ADA compliant handicapped curb ramps, and the installation of pertinent roadway signage and striping. All work was conducted in accordance with LADOTD standards and requirements and the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).

This project required extensive outreach and coordination with the City of Thibodaux and especially with Nicholls State University since Ardoyne Drive was owned by this entity. Ultimately, this project was bid and construction was completed in October 2018.

Key Personnel: Frank Liang, P.E., PTOE, David LeBreton, P.E., PTOE, PTP, RSP$_1$, Taylor Marino, P.E., PTOE, RSP$_1$

Firm name	GOTECH, Inc.		Past Performance Evaluation Discipline(s)*	Survey	
Project name	IDIQ Contract for Design of Safety Projects Statewide with Majority of Work in District 02, 61 & 62		Firm responsibility (prime or sub?)		Sub
Project number	4400015484	Owner's name	LADOTD		
Project location	Statewide		Owner's Project Manager	Mark Chenevert	
Owner's address, phone, email	1201 Capitol Access Road, Room 405-E, Baton Rouge, LA 70802-4438, 225-379-1591, mark.chenevert@la.gov				
Services commenced by this firm (mm/yy)	01/20		Total consultant contract cost ($1,000's)		na
Services completed by this firm (mm/yy)	05/20		Cost of consultant services provided by this firm ($1,000's)		$84

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

GOTECH provided topographic and utility location survey services in support of design plans and specifications for a for the I-10 at Read Boulevard Interchange in Orleans Parish. Survey crews conducted a complete topographic, elevation and utility survey within the entire limits of the I-10 Interchange with Read Boulevard. The topographic survey also included the location of both above ground and subsurface utilities. In addition, gathered survey data included information on the highway crossing exit/entrance ramps and elevated overpasses to facilitate lighting designs under elevated portions of I-10. All final deliverables were certified and submitted in strict accordance with DOTD Location and Survey standards.

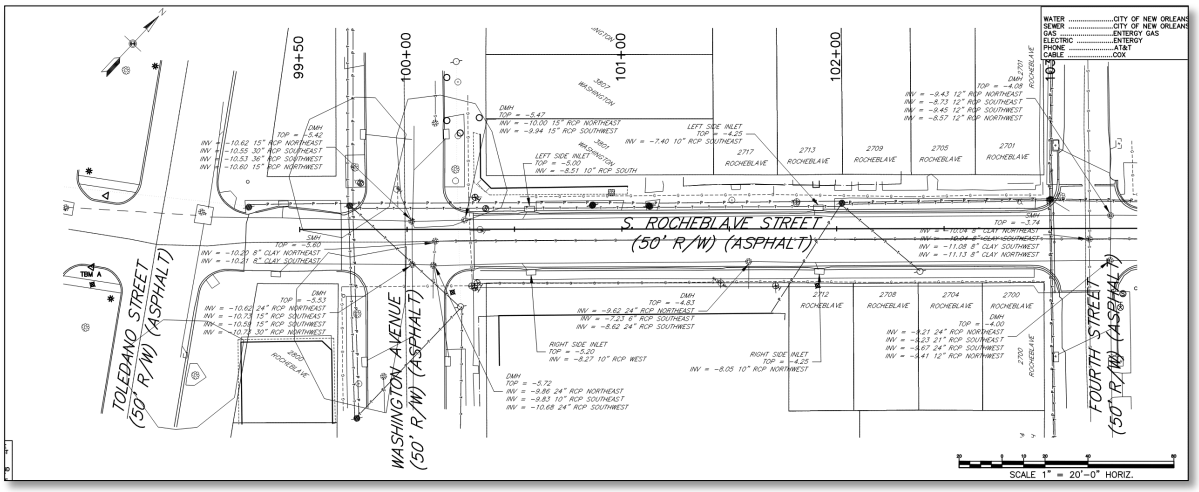
GOTECH provided topographic survey in support of design for the closing of an existing ditch and installation of a sidewalk/multi-use path and handicapped ramps on a roadside design project. The survey was along Bootlegger Road (LA Hwy 1085) from Coquille Park to White Chapel Road. The overall length of the survey was approximately 3,600 feet.

Key Personnel: Rhaoul Guillaume, Sr., P.E., Robert Price, P.L.S.; Survey Crew: Brise Baker, Raymond Belmer, Jacob Belmer, Michael Major & Sean McKisson

Firm name	GOTECH, Inc.		Past Performance Evaluation Discipline(s)*	Survey	
Project name	New Orleans Street Rehab (Central City Group A)		Firm responsibility (prime or sub?)	Sub	
Project number	PW 7124804	Owner's name	City of New Orleans		
Project location	Orleans Parish, LA		Owner's Project Manager	Francis Berger, P.E.	
Owner's address, phone, email	1300 Perdido Street, Suite 6W03, New Orleans, LA 70112, 225-303-7632, francisb@flymsy.com				
Services commenced by this firm (mm/yy)	01/18		Total consultant contract cost ($1,000's)	$298	
Services completed by this firm (mm/yy)	07/22		Cost of consultant services provided by this firm ($1,000's)	$298	

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

As part of the Capital Improvements Program to restore damaged infrastructure in New Orleans, GOTECH is assisting Fenstermaker in providing topographic surveying, preliminary and final design for streets identified as Central City Group A. Topographic surveys were completed for 2nd Street and South Rocheblave Street. Design services include preliminary and final plans for full roadway reconstruction including new storm drainage, sewer and water line replacements. Final design will include final construction plans, specifications and cost estimates for a complete bid package.

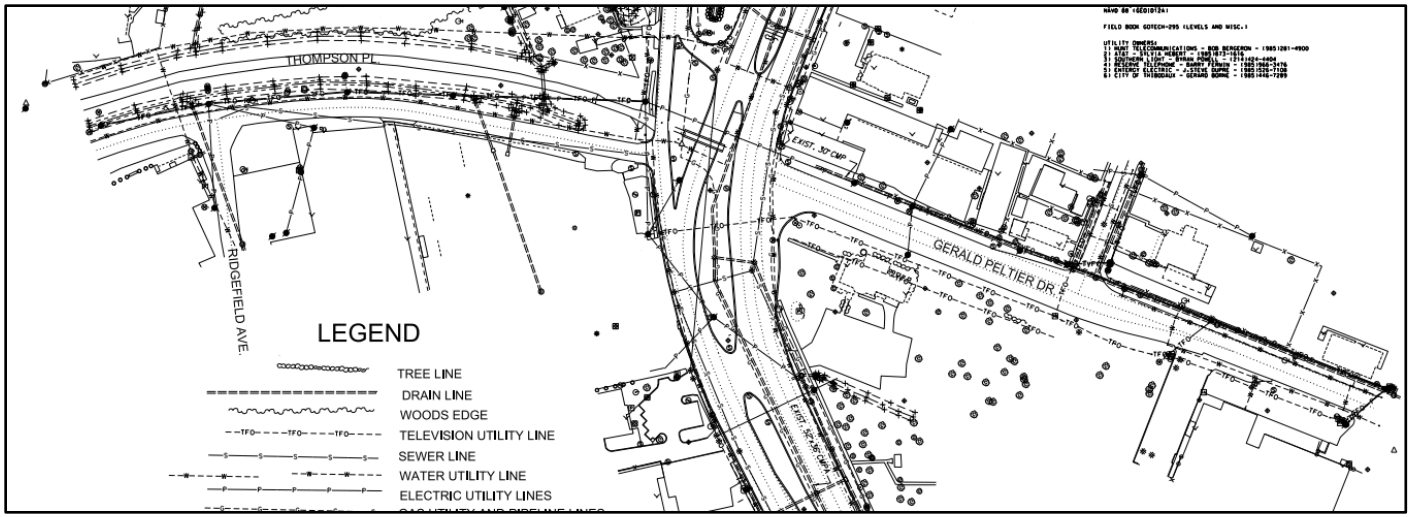


Key Personnel: Rhaoul Guillaume, Sr., P.E., Bruce Dyson, P.E., P.L.S., Robert Price, P.L.S. Drew Walsh, P.E., PMP, CFM & John "Sparky" Hoffman, P.E.

Firm name	GOTECH, Inc.		Past Performance Evaluation Discipline(s)*	Survey; Right-of-way	
Project name	Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place)		Firm responsibility (prime or sub?)		Sub
Project number	4400004485; H..009320	Owner's name	LADOTD		
Project location	Thibodaux, LA		Owner's Project Manager	Mark Chenevert	
Owner's address, phone, email	1201 Capitol Access Road, Room 405-E, Baton Rouge, LA 70802-4438, 225-379-1591, mark.chenevert@la.gov				
Services commenced by this firm (mm/yy)	04/15		Total consultant contract cost ($1,000's)		$204
Services completed by this firm (mm/yy)	09/19		Cost of consultant services provided by this firm ($1,000's)		$195

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

GOTECH, Inc. provided a complete topographic survey required for the design of a roundabout at the existing intersection located in Thibodaux, LA. The survey was completed in accordance with LADOTD Standards and included all utilities with depths, all drainage structures, and DTM for the survey area. The project survey control and horizontal alignment was based on the Louisiana State Plane Coordinate System, (NAD-83-92) as determined by G.P.S. observation. The project also included right-of-way surveys and the preparation of right-of-way maps.



Key Personnel: Rhaoul Guillaume, Sr., P.E., Robert Price, P.L.S.; Survey Crew: Raymond Belmer & Jacob Belmer

Firm name	Vectura Consulting Services, LLC	Past Performance Evaluation Discipline(s)*	Traffic, Data Collection
Project name	I-12 To Bush – LA 3241 (I-12 – LA 36) Corridor Study	Firm responsibility (prime or sub?)	Sub
Project number	H.004957.5	Owner's name	DOTD
Project location	Lacombe, LA	Owner's Project Manager	Joachim C Umeozulu, P.E
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1386, Joachim.Umeozulu@la.gov		
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)	$1,895
Services completed by this firm (mm/yy)	05/17	Cost of consultant services provided by this firm ($1,000's)	$84

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

As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersection and corridor improvements such as median openings, spacing of openings, signalized, unsignalized and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- Traffic Signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes

Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for Implementation and Design Years.
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed Draft Traffic Study Report (3 copies)

Task 3 Safety Analyses

- Developed 3-year crash analyses report as per DOTD standards

Key Personnel: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue, Kristen Farrington and Clara Foshee

Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic, Data Collection	
Project name	East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program		Firm responsibility (prime or sub?)	Sub	
Project number	CP No. 19-CS-HC-0001	Owner's name	East Baton Rouge Parish		
Project location	Baton Rouge, LA		Owner's Project Manager	Tom Stephens, PE	
Owner's address, phone, email	1100 Laurel Street Baton Rouge, LA 70802, (225) 389-3186 ext 5634, TStephens@brla.gov				
Services commenced by this firm (mm/yy)	07/19		Total consultant contract cost ($1,000's)	na	
Services completed by this firm (mm/yy)	12/22		Cost of consultant services provided by this firm ($1,000's)	$873	

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

As part of the East Baton Rouge Parish MOVEBR ($912 Million Dollar) Program, Vectura currently provides traffic engineering services for all Capacity Projects. Vectura routinely collaborated with EBR Parish and DOTD Stakeholder such as Section 27, Safety Section, and DOTD District 61. The primary task was to peer review all traffic-related deliverables from consultants for 25 capacity projects to date. Submittal review in various stages included but not limited to the following:

Scope
- Purpose and need, contract scopes, manhours and fees

Data Collection
- Raw tube counts, peak period determination, signalized / unsignalized intersection turning movement counts, unmet demand, explanation for any count discrepancies, speed data, peak period observations, geometric field documentation, sight distance, warrants analyses

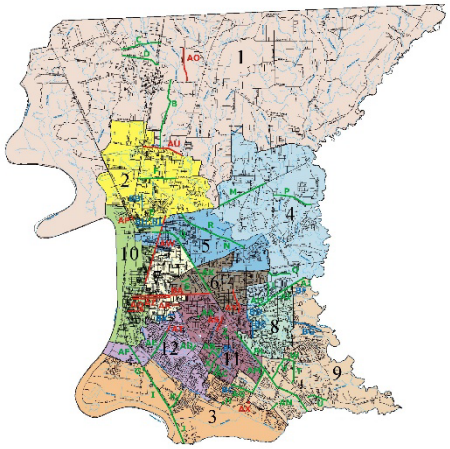
Design Year Volume Development
- Travel Demand Model data, Growth rate methodologies in accordance with NCHRP 765, design year volume development

Existing and No Build Analyses
- HCS, Synchro, SIDRA, VISSIM, analyses for existing and No Build conditions based on traffic volumes, lane usage, truck percent, required SIDRA roundabout settings, speed, and Traffic Signal Inventory form information
- CATScan, collision diagrams, conflict points, crash analyses report as per DOTD standards
- Defined problems

Tier 1
- Preliminary high-level list of alternatives based on defined problems and established comparison criteria.

Build Year Alternative Analyses
- Reviewed traffic volume redistribution, alternative conceptual layouts included access management, restricted median openings, signalized /unsignalized intersections, median U-turns at existing signal locations, RCUT intersections, and roundabouts
- Turn lane calculations, AutoTURN, construction cost estimates

Design
- Confirmed design plans matched recommendations in the Traffic and Design Studies
- Reviewed construction plans including geometric layout, striping, signs, roundabout and traffic signal design
- Plan in Hand, coordinated with EBR TED, DOTD, utilities, consultant team



Key Personnel: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue, Kristen Farrington and Clara Foshee

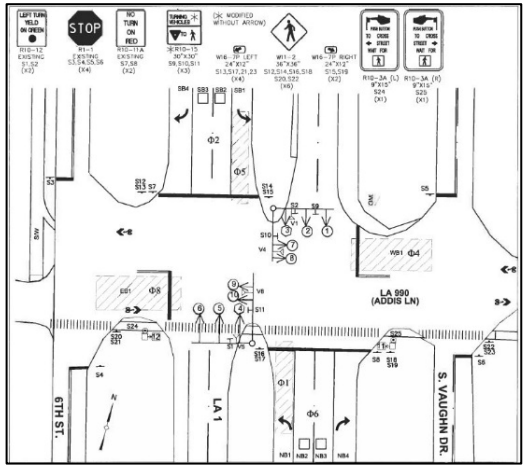
Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic, Data Collection	
Project name	LA 1 at LA 990 Crosswalk Study and Traffic Signal Design		Firm responsibility (prime or sub?)	Prime	
Project number	H.011558	Owner's name	West Baton Rouge Parish Government		
Project location	Addis, LA		Owner's Project Manager	Kevin Durbin, P.E., AICP	
Owner's address, phone, email	880 N. Alexander Avenue Port Allen, LA 70767 (225) 336-2434 Kevin.Durbin@wbrcouncil.org				
Services commenced by this firm (mm/yy)	11/20		Total consultant contract cost ($1,000's)	$22	
Services completed by this firm (mm/yy)	12/21		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.)

Vectura was hired by West Baton Rouge Parish to perform a Crosswalk Traffic Engineering study and to develop Traffic Signal Design plans for the intersection of LA 1 and LA 990 (Addis Lane) in Addis, LA. The crosswalk was first conceptualized as part of a trail that connects the Mississippi River Trail to points west of LA 1 in the West Baton Rouge Parish Comprehensive Plan (PlanWEST) dated 9/22/11 as well as included in a Stage 0 report titled CMAQ Proposal WBR-2 dated 04/30/14.

A Crosswalk Traffic Engineering Study was performed based on the Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 5 and included the following elements:

- Collected 24-hour traffic approach volumes, speed data, crash history and sight distance
- Collected AM and PM peak hour vehicle and pedestrian turning movement counts
- Developed **safety analyses** using 3-year crash data from Crash1 as per DOTD standards
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed AM and PM Peak **signal timing and progression** for existing conditions
- Performed AM and PM Peak **signal timing and progression** for future conditions



Traffic Signal Construction Plans was performed for LA 1 at LA 990 based on the latest DOTD Traffic Signal Inventory v3.2, DOTD Signal Design Manual, MUTCD & EDSM VI.3.1.6 Section 5. This task included signal timing parameter calculations, signal equipment layout, wiring diagram, DOTD pay items, estimated quantities and construction cost.

Vectura also assisted with the DOTD **Permit** Request for Intersection Control Devices on a State Right of Way

Key Personnel: Brin Ferlito, Laurence Lambert, Bridget Robicheaux, Reece Rodrigue

Firm name	ELOS Environmental, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	Louisiana Department of Transportation and Development (DOTD) Rural Bridges Project.		Firm responsibility (prime or sub?)		Prime
Project number		Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Multiple Locations, LA		Owner's Project Manager	Nick Matherne	
Owner's address, phone, email	Burke-Kleinpeter, Inc, 4176 Canal Street, New Orleans, LA 70119, (504) 486-5901, nicholasmatherne@bkiusa.com				
Services commenced by this firm (mm/yy)	2022		Total consultant contract cost ($1,000's)		$192
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$192

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

LADOTD ENVIRONMENTAL PERMITTING SERVICES

ELOS Environmental was contracted by DOTD for environmental services as part of the DOTD Rural Bridges Replacement Initiative. The project's purpose is to replace aging and degrading bridges in rural areas throughout Louisiana. The deteriorating condition of these bridges poses significant safety risks and impedes the efficient movement of people, goods, and services in rural communities. The Rural Bridges Replacement Initiative aims to enhance the transportation infrastructure by replacing these outdated structures with modern, structurally sound brides. ELOS is responsible for conducting Wetland Delineations at 16 bridges. This crucial step involves assessing and mapping the extent and boundaries of wetlands present within and adjacent to the project sites. We conducted field surveys, carefully analyzing vegetation and soil composition to accurately determine the boundaries and classifications of wetlands in accordance with established regulatory guidelines. ELOS is preparing and sending out a Solicitation of Views as part of the requirements of the National Environmental Policy Act (NEPA) of 1970 for federally funded projects. ELOS is also responsible for preparing and submitting permit application packets to the United States Army Corps of Engineers (USACE) and Louisiana Department of Natural Resources (DNR) for Section 10/404 authorization, or Coastal Use Permits, where appropriate. These permit application packets are comprehensive documents that outline the project details, including bridge replacement plans, wetland delineation findings, and any other relevant environmental considerations. ELOS acts as a liaison between the project stakeholders and the regulatory agencies, facilitating a smooth and efficient permitting process. They engage in frequent communication with the USACE and LDNR to address any inquiries, provide additional information as needed, and ensure compliance with all applicable regulations. ELOS ensures that the bridge replacement projects can proceed in an environmentally responsible manner, minimizing potential impacts on wetlands.

Firm name	ELOS Environmental, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	I-10 Highland LA 73 Design-Build		Firm responsibility (prime or sub?)	Prime	
Project number		Owner's name	Sigma Consulting Group, Inc.		
Project location	East Baton Rouge Parish, LA to Ascension Parish, LA		Owner's Project Manager	Robbie Lear	
Owner's address, phone, email	Sigma Consulting Group, Inc., 10305 Airline Hwy Baton Rouge, LA 70816, 225.298.0800, rlear@sigmacg.com				
Services commenced by this firm (mm/yy)	08/2017		Total consultant contract cost ($1,000's)	$33	
Services completed by this firm (mm/yy)	07/2018		Cost of consultant services provided by this firm ($1,000's)	$33	

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

LADOTD ENVIRONMENTAL PERMITTING SERVICES

ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. The project included widening an approximately 6-mile stretch of I-10, a quarter mile west of the I-10 Highland Road interchange to east of the I-10/LA 73 interchange, from two lanes in each direction to three. In addition to renewing Section 10/404 and Scenic Stream permits, ELOS was responsible for the preparation of stormwater management, pollution prevention, and impact mitigation planning for all features of the project including staging, construction, and permanent areas.

Firm name	ELOS Environmental, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	LA-3234 Extension		Firm responsibility (prime or sub?)	Prime	
Project number		Owner's name	N-Y Associates, Inc.		
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Bruce J. Richards	
Owner's address, phone, email	N-Y Associates, Inc. 2750 Lake Villa Drive, Metairie, LA 70002, 504.885.0500 ext 108, brichards@n-yassociates.com				
Services commenced by this firm (mm/yy)	01/2017		Total consultant contract cost ($1,000's)	$101,383	
Services completed by this firm (mm/yy)	08/2019		Cost of consultant services provided by this firm ($1,000's)	$101,383	

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

ENVIRONMENTAL PERMITTING SERVICES

ELOS was contracted to provide environmental services for LA-3234 Extension from LA-1065 to the Hammond Airport. These services included preparing estimates of environmental mitigation costs whereas ELOS estimated the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. By estimating the costs associated with mitigating these impacts, ELOS provided the necessary information for project planning, budgeting, and compliance with environmental regulations. A wetland delineation was performed to establish an opinion on the presence and potential extent of jurisdictional "wetlands" and/or "other waters of the U.S." in accordance with the requirements of the USACE. The wetland delineation provided crucial information and served as a foundation for developing appropriate mitigation strategies, ensuring compliance with wetland protection regulations, and minimizing the project's impact on wetland ecosystems. A Phase I Environmental Site Assessment was conducted based on the information contained in the feasibility study. The Phase I ESA has four components: Records Review, Site Reconnaissance, Interviews, and Reporting. The Phase I ESA provided valuable insights into potential environmental liabilities and allowed for appropriate planning and risk management strategies to be implemented during the road extension project. During ELOS's field surveys, a Biological Survey was conducted for threatened and/or endangered species suspected to be in the project area. ELOS confirmed all federally and state-listed species within the project area prior to field surveys via desktop investigation. ELOS helped ensure compliance with applicable environmental regulations, implement mitigation measures, and minimize disturbances to vulnerable ecosystems.

DE TEAM + LADOTD: SAFETY BY THE NUMBERS

62

LADOTD/LPA Safety Projects Task Orders performed by DE

36

Local Public Agencies DE has coordinated with

14

Years DE has helped LADOTD develop the Safety Program

39

SRTS, SRTPP and LRSP Projects DE has moved to bidding from construction

18. Approach and Methodology:

WE UNDERSTAND YOUR CHALLENGES...

This IDIQ Contract for Design of Safety Projects will require a team capable of delivering cradle-to-grave support to the Local Public Agency (LPA) and LADOTD, from the Stage 0: Feasibility Study through the Letting and Construction Support Phase services. The DE team intimately understands this Program and will provide a highly experienced team for the duration of this IDIQ as well as technical staff including Project Managers and Engineers with the relevant experience to solve your challenges, which we've highlighted below.

To date our team has performed studies, design, and/or construction engineering and inspection on 62 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP).

Through this valuable experience, we have successfully coordinated with 36 different Local Public Agencies (LPAs) across Louisiana, encompassing both rural and urban regions of the state. Over a span of 14 years, our team has had the privilege of collaborating with twelve of these LPAs on multiple occasions, and we have worked closely with four LPAs on more than four occasions, demonstrating the strength and continuity of our partnerships.

The DE team's Project Manager, Frank Liang, P.E., PTOE has over 28 years of professional experience for transportation related projects throughout the State of Louisiana, including a multitude of LADOTD projects. Our Principal in Charge, David LeBreton, P.E., PTOE, PTP, RSP[1] has been a Project Manager/ Engineer for the firm throughout the 14 years we have assisted LADOTD with these safety programs and has developed a wealth of knowledge for this program. Alan Krouse, P.E., our QA/QC Manager, has over 46 years of experience with the majority working with DOTD in planning, feasibility studies, roadway design, highway safety, and ADA improvements.

This experience is vital to the completion of each task order as it will aid in fast tracking each project to get these important safety implementations on the streets. Frank will be the main point of contact with the LPA and LADOTD, and will be responsible for scoping the project, negotiating contract fees, tracking the project budgets, and tracking the project schedule from start to finish as well as keeping all parties informed on project status.

In anticipation of serving as your retainer engineer, we are thoroughly familiar with the requirements of each of the potential types of task orders identified in the RFQ as a result of our involvement in assisting with the development of this program the last 14 years. Our most effective means of carrying out these tasks will be to work directly as an extension of LADOTD's staff with the LPA. In this capacity, it allows us to be proactive while also able to quickly react and provide the solutions LADOTD needs in order to move projects to construction.

With the evolution of flexible working, DE has initiated and adapted alternative ways to communicate and collaborate throughout the project's lifecycle. Some examples include holding Zoom Meetings, Microsoft Teams Collaborations, and conference calls to keep project schedules on track.

DE + LADOTD LRSP

Since 2009, we have successfully moved 39 SRTS, SRTPPP, and LRSP projects to the bidding and construction phases allowing the Highway Safety Improvement Program (HSIP) funds to be utilized year in and year out as intended.

Virtual Plan-In-Hand meetings with LADOTD and the LPA via Zoom for smaller striping and pavement marking projects have become a typical occurrence now in the current program.

APPROACH & METHODOLOGY

The following pages include a detailed definition for the specific items and knowledge we anticipate will be imperative to the success of this contract.

Stage 0: Feasibility Studies

The Feasibility Studies associated with these Safety Projects are not the standard LADOTD Stage 0: Feasibility and is more of a "scoping" report. The DE Team has successfully completed 36 Project Feasibility Studies for 36 LPAs on similar projects listed in the RFQ's Scope of Services. With each LPA in our state having different types of representatives (technical and non-technical) as the responsible charge for their projects, this feasibility report is crucial in making sure the LPA has submitted and understands the scope of work for the project and that it meets LADOTD requirements.

During the project kick-off meeting, the feasibility study scope must be fully reviewed and established between LADOTD, the LPA, and the consultant. After the kick-off meeting, our team can investigate the site and develop the study which typically includes a narrative on the engineering scope of work, project limits plan sheet/map, preliminary construction cost estimate using LADOTD items, engineering labor compensation (w/ proposed project index), project design, and construction schedule. Working with the LPA on finalizing the scope is crucial and sometimes an iterative process. Making sure the LPA understands the process is key to moving these studies quickly.

Once the study information is compiled, the feasibility study will be submitted to LADOTD for review which is completed within 30 days from the kickoff meeting notice to proceed and typically finalized within 60 days after review and comment by LADOTD and the LPA. The review and comment process can be iterative as well as the LPA typically has a number of factors to consider such as budget, right of way, utility conflicts, and the actual schematic design.

Because DE has been involved with this program for 14 years, our team is very familiar with designing these safety projects. This allows us to incorporate our lesson learned into our feasibility studies and designs. For example, we have recently had a number of projects that have been delayed because of right-of-way issues that were not identified in the feasibility studies developed by others. Learning from this, a thorough investigation is now always performed to determine available right-of-way for all feasibility studies. DE is very familiar with Complete Streets minimum design guidelines. Because there are so

many requirements related to Complete Streets, most of these projects will require a complete streets design exception. These design exceptions are relatively simple, but identifying them in the feasibility study allows the design engineers to account for it during the design process. These are just a couple of examples of how our experience with these safety projects brings value to having DE on retainer.

Road Safety

Typically, road safety improvement projects and signing/pavement marking projects are based off of crash frequency and types. These projects will require crash data analysis to justify scope of work and countermeasures. The crash analysis program we have utilized is LADOTD's Highway Crash List Program - Crash1 for state routes and Crash3 for local roads. In addition, DE has utilized the Crash Query Tool that LADOTD is currently implementing along with LADOTD's CATScan Tool to integrate the crash history into level of service and safety analysis for intersections and road segments. DE has become very proficient at using these programs for scope justification and will continue utilizing these tools to assist in developing the LPA's scope.

Having designed over nineteen (19) signing and pavement marking safety projects, DE has developed internal processes for efficiently producing these plan sets. In 2022, DE worked closely with LADOTD in the Final Plans phase of H.013789 Curve Signing & Striping (Evangeline) so that the plan set would become LADOTD's template for similar projects going forward. As technology improves and progresses, DE is utilizing ArcGIS Field Maps for collecting data for these projects. DE can create a sign and pavement marking inventory with geospatial information. Our data collectors can attach photographs and record pertinent information in the forms we created. Not only will our engineers be able to refer back to each location geographically, but this information can also be exported into spreadsheets to aid in the creation of our quantities.

Our design engineering team attended the LTRC course Combating Rural Roadway Departures on 05/12/2022. In this class the following topics were discussed: reducing rural roadway departures (FoRRRwD): Every Day Counts, the four pillars of safety, keeping vehicles on the road, reducing the potential for crashes, minimizing the severity of crashes, and Louisiana's Roadway Departure Implementation Plan. At the end of the course, the team was tasked to conduct a field assessment and use ball banking equipment and evaluated physical issues to recommend proven safety countermeasures. DE is currently utilizing all of the information and recommendations presented from this course in our design of on-going Road Safety projects.

Traffic Engineering

Traffic engineering studies and data collection are components that are not considered by most LPAs as part of the scope of work required in order to complete a project. It is a task that is typically required and an important one as it will need completed at the inception and quickly to not delay the project.

Vectura is knowledgeable of when these traffic engineering studies and data collections are required within the scope of work, as well as when and how they need to be done. The typical situations under this program that traffic engineering is utilized is for include:

- traffic counts
- implementing High Intensity Activated Crosswalk Systems (HAWK)/flashing beacons at crossings
- Implementing Rectangular Rapid Flashing Beacon (RRFB) at crossings
- adding crosswalks at the request of the LPA to intersections where they are not present
- ball banking horizontal curves on signing projects for advisory speed plaques.

In the event that the project requires signal warrant analysis, speed studies, or signal operations analysis, we have the relevant traffic engineering experience, staff, equipment, and software to take care of those needs. Vectura provides you with traffic and transportation professionals with longstanding commitments to quality and excellence. Their commitment to the profession is evidenced by the number of PTOEs who will be supporting this project.

DE and Vectura have both performed and collaborated on various types of Traffic Engineering Studies including marked crosswalk warrant analyses for uncontrolled intersections, stop controlled intersections, and mid-block crossings.

Stage 1: Planning/Environmental

The majority of the projects that are typically task ordered in this IDIQ are pedestrian enhancements, sidewalk, signing/pavement marking, and road safety improvement projects, which are normally scoped to be within the existing right of way, therefore requiring minimal Stage 1:Planning/ Environmental.

When items such as a Coastal Use Permit and Corps of Engineer Permit are required for projects near rivers or navigable waterways, ELOS Environmental has the experience to provide support in proactively coordinating and completing these permits for approval to ensure the project stays on schedule.

A common permit that could also be required under this IDIQ would be any permits needed by the local LADOTD Districts such as right of entries, driveway permits, intersection control device permits, and permit requests for warning signs, school signs, flashing beacons, and speed limit feedback signs on state right of way. These permits will be coordinated with the LPA and District and is something we have completed routinely throughout our previous and current projects.

Stage 3: Design

Surveying Services

DE has learned through our past experiences what surveying services are needed and which types of projects for this IDIQ will require a full survey, partial survey, or no survey at all. This is crucial to the big picture of this IDIQ as it has allowed us to adjust our design and plan formatting accordingly to develop a constructible set of plans, but also allowing the Highway Safety Program to stretch out monies for more projects per IDIQ contract.

When a survey is required, GOTECH has the manpower and experience with LADOTD's Location and Survey section and Road Design section to put together the topographic survey on the proper set of drawings as per the Road Design Plan Preparation Manual. The topographic survey process is aided by multiple robotic units, total stations, GPS equipment, and a terrestrial scanner. If needed, our surveyor can produce LiDAR scanning for aerial and terrestrial uses. Mobile LiDAR scanning is not only a significantly faster means of

collecting survey data, but it also eliminates the need for return trips to collect missed features. Additionally, it lessens the general disruption to the public and significantly reduces our survey crews' exposure to potentially dangerous circumstances, such as busy roadways and highways or waterways. As data is collected, each point is given an attribute code. The feature codes are based on LADOTD standards. If required, feature codes can be added or modified to suit the project. The data is then downloaded directly into the CAD software.

While it may not be common under this IDIQ, if property survey, title research/ updates/take-offs or right of way maps are required for a task order, our surveyor is very familiar with the LADOTD process. We are staffed to accommodate this and our Team's qualifications can be seen in Sections 16 and 17.

Preliminary and Final Plans

The DE team is familiar with the IDIQ's design task order requirements for plan submittals, estimating, and necessary project documentation having worked on 39 highway safety (SRTS/SRTPPP/LRSP) design projects with LADOTD and the LPA over the past 14 years.

This design contract requires a different schedule and pace when compared to the typical LADOTD Road Design submittals process. Currently these Safety Projects require the following submittals: 30% Preliminary Plans, 60% Preliminary Plans, 95% Preliminary Plans, 95% Final Plans, 98% Final Plans, and 100% Final Plans. The 30% Preliminary Plans submittal was recently added to this submittal process. These plans are essentially the survey and title sheet. It is used to determine if there are any right-of-way issues at the earliest point in the design process. This also allows all the stakeholders to better discuss the scope of the project at the Stakeholders Meeting. The 60% Preliminary Plans submittal shows a general layout of the project and is used for the Environmental Review. In cases when drainage is needed, the preliminary drainage design is included along with the calculations in this 60% Preliminary Plan submittal, which is sent to the LADOTD Hydraulics section for review.

This condensed time frame requires a very "final" set of plans by the 95% Preliminary Plans submittal in order to stay on schedule. This means the consultant on board must be able to supply the dedicated manpower and time to this Program to keep these design projects on the fast track for each fiscal year. With our staff and knowledge, we are continuously up for the challenge and our engineers and CAD technicians know the expectancy with these projects whereby giving us a strong advantage. Our project schedules can be viewed on the next page and will show our familiarity for the different types of projects to be anticipated in this IDIQ.

On the design side, typical highway safety design projects under this IDIQ will require "retrofitting" elements into existing conditions and fit within a small budget. This is a task where our team thrives having retrofitted sidewalks over existing swales, specially designing handicapped curb ramps at intersections where PED-01 standards cannot be used and retrofitting pedestrian signal heads with APS on existing traffic signal systems. This experience also becomes especially important when developing the engineer's opinion of probable costs, as this knowledge assists in developing more accurate unit pricing.

When looking through our project experience, you will see a small preview of what we have completed to date. What you will not see are the efforts put forth to successfully complete and receive approval on in developing technical specifications.

Since this program's inception, DE has been assisting LADOTD on the further development of the plans utilized for these Safety Projects. During the development of the 100% Final Plans for the Curve Signing and Striping (Evangeline) Project - H.013789, DE worked closely with LADOTD to develop a template for the layout and format of future signage and striping plan sets developed for the Safety Program. Numerous elements from DE's plans for this project were utilized as the template for all future signing and striping safety projects going forward.

To date, we have created 37 "TS" technical specifications that were required to incorporate non-standard items and are currently working on new TS specifications for ongoing projects as well. The knowledge and experience for this cannot be underestimated considering how quickly they need to be done within the schedule and how much they can delay a project if they are not ready. The specifications that our team has developed are as follows:

- 16 specifications for traffic including for solar powered flashing beacons, High Intensity Activated Crosswalk Systems (HAWK), Controller Cabinets and Foundations, Controller foundations, Rectangular Rapid Flashing Beacon (RRFBs), and other miscellaneous conduit items.
- 2 specifications for drainage trench drains
- 1 for concrete sidewalk pavers and 1 for integrally colored Portland
- Cement
- 5 for ADA compliance including handrails, composite boardwalk, and
- special detectable warning systems
- 12 for miscellaneous items such as wooden bollards, decorative signage
- posts, wheel stops, adjusting valves, utility boxes or cleanouts, special condition paving under trees, and street name tiles.

We are also well versed on the following:

- US Access Board's PROWAG Guidelines
- ADA Standards for Accessible Design
- AASHTO Guide for the Development of Bicycle Facilities
- Guide for the Planning, Design, and Operation of Pedestrian Facilities
- LADOTD's EDSMs, Traffic Engineering Manual, and TSI Standards
- LADOTD's weighted averages and the variances on projects similar in this
- IDIQ
- Recent standard plan and special detail updates (especially PED-01)

Stage 5: Construction

Construction Support/Construction Related Engineering and Shop Drawings

After the design is complete, the project will be let by LADOTD to move into the construction phase. Prior to construction and contract award, the DE team will review the construction bid for any irregularities and for comparison to our engineer's opinion of probable cost to verify it is within the allowable range overrun or underrun. After the bid review is complete, we will submit our recommendation along with the LPA for LADOTD's concurrence to accept or reject bids.

Over the past 14 years, we have had the opportunity to serve as the CE&I consultant for 19 LADOTD SRTS, SRTPPP, and LRSP projects. Our involvement as the construction supporting designer in all of these projects has provided us with comprehensive knowledge and expertise in LADOTD CE&I processes. Our extensive previous work experience with LADOTD demonstrates our deep understanding of the intricacies involved in CE&I operations within the department.Although CE&I is not a part of this IDIQ, the construction support from the designer is essential. Due to the variety of project types under this IDIQ and the special cases that come with these projects, questions will arise and the designer must be knowledgeable of the project, its history, and its intent. The designer must be accessible and responsive to ensure a smooth construction process.

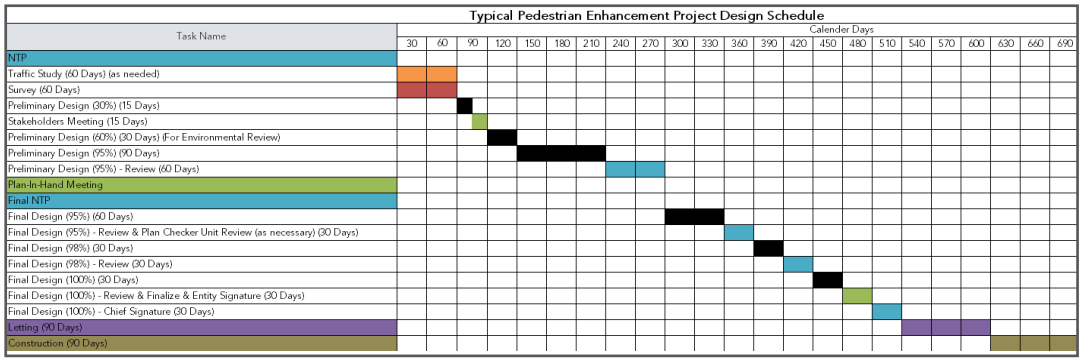
This became evident during the construction of H. 012473 – Zachary Taylor & Marconi Drive Sidewalks project. For this project, protection of the 100+ year old oak trees along the project length was paramount. DE provided assistance during the initial construction layout of the path to ensure the protection of these trees. In addition, DE provided assistance on the construction of the proposed boardwalk because there was some concern on the type of composite material used vs. the stringer spacing and installation methods used by the contractor. DE assisted LADOTD's CE&I consultant on the review of these concerns and provided guidance on the design concept.

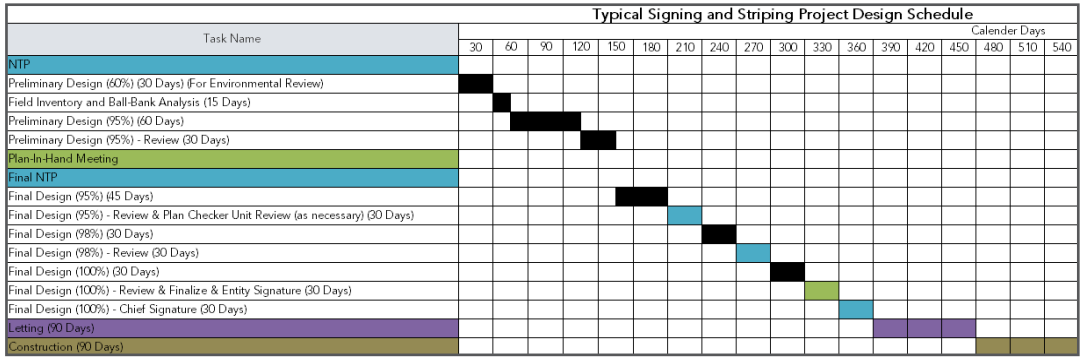
In addition, having written numerous special TS specifications ourselves and seeing these items go to construction, DE is accustomed to reviewing shop drawings for special items and are aware of the time sensitivity to the contractor to have these shop drawings approved.

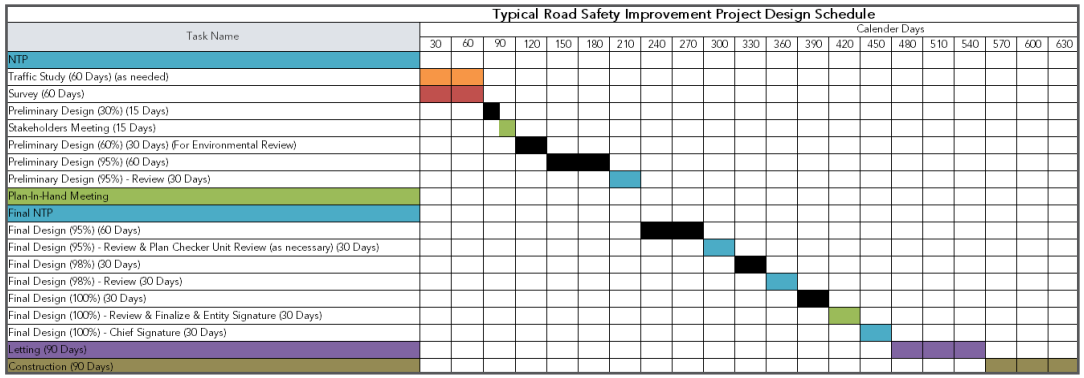
Awareness, responsiveness, and accessibility are attributes our team takes pride in. Essentially, during CE&I, the DE team will be able to assist as an extension of the LPA and LADOTD to coordinate any issues with the contractor, LADOTD District, and LPA as needed.

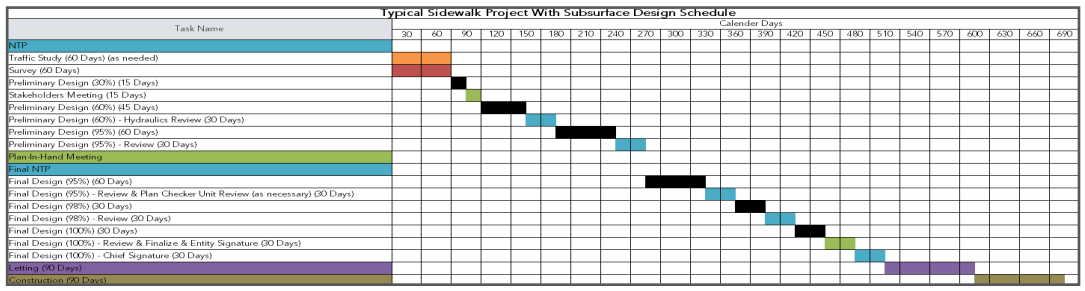
...AND TOGETHER WE WILL MAKE A SAFER LOUISIANA.

Anticipated Schedule for Various Types of Safety Projects









LADOTD S.P. H.009460.2
St. Tammany Parish Signing and Striping
Local Roads Safety Program

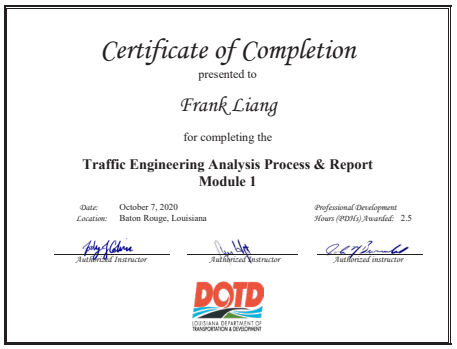
19. Workload:

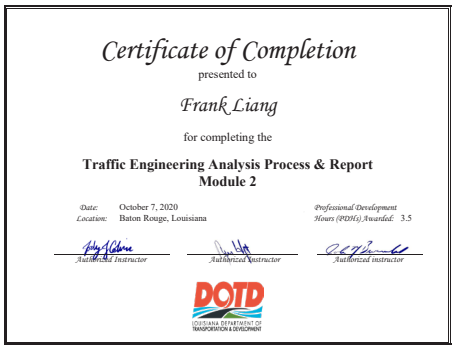
Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
digital engineering	Other (Safety Program - SRTPP)	Contract No. 4400019870	IDIQ for Design of Safety Projects (Districts 03, 07 and 08)	
		Contract No. 4400019870 H.013722	Morgan City Sidewalks and Shared Use Path	$283,177
		Contract No. 4400019870 H.013716	US 167: Camellia Blvd. - Churchill Dr. (LAF)	$101,218
		Contract No. 4400019870 H.013083	Jefferson Island Sidewalks, Iberia Parish	$8,866
		Contract No. 440009870 H.011196	Lake Charles SRTS Proj. - Barbe Elementary	$49,710
		Contract No. 4400015487	IDIQ for Design of Safety Projects (Districts 02, 61 and 62)	
		Contract No. 4400015487 H.013090	Gretna Downtown Pedestrian Improvements	$14,546
		Contract No. 4400015487 H.015010	Local Road Striping & Signing (Bossier)	$129,910
		Contract No. 4400015487 H.013094	Broad St. - Read Blvd. Ped Improvements	$16,434
		Contract No. 4400015487 H.013719	US61 @ I-10 EB Off Ramp Ped Impr (NO)	$56,072
GOTECH	CE&I/OV	Contract No. 4400004631 Task Order No. H.003107.6 *Task Order No. 1 *Task Order No. 2	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 62 (St. Helena, Livingston, St. John, Tangipahoa, Washington & St. Tammany Parishes)	$0 $171,520
		Contract No. 4400017006 Task Order No. H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$308,488
		Contract No. 440001743 Task Order No. H.001498.6	LA 24 & 316: Company Canal Bridge CE&I (Terrebonne Parish)	$304,467

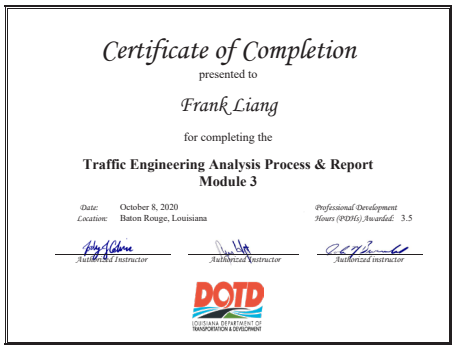
GOTECH	CE&I/OV	Contract No. 4400019950 Task Order No. H.003003 Task Order No. H.002151	IDIQ Contracts for Construction Engineering & Inspection Services, Statewide w/Majority of Work in District 03 (Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary & Vermilion Parishes)	$0 $68,000
		Contract No. 4400019550 SPN: H.001234	LA 1: Port Allen Canal Bridge Replacement Phase 1 (HBI) (CE&I) Route LA 1 (West Baton Rouge Parish)	$508,783
		Contract No. 4400023074 Task Order No. H.010725 Task Order No. H.012465 Task Order No. H.014694.6	IDIQ Contract for Construction, Engineering & Inspection & Staff Augmentation - Pecan Island Rd - District 61 (Hammond)	$0 $66,105 $45,933
	Planning	Contract No. 4400017327	IDIQ Innovative Procurement & Alternative Delivery Support Services, Statewide	$74,052
	Survey	Contract No. 4400017068	Louisiana Watershed Initiative (LWI) Modeling Contract Region No. 2	$169,755
		Contract No. 4400017069	Louisiana Watershed Initiative (LWI) Modeling Contract Region No. 3	$49,668
VECTURA	Traffic	H.010616	I-20: LA 544 Overpass Replacement	$120,664
		H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	$51,079
		H.005168.2	New Orleans Rail Gateway Avondale EA	$144,494
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
		H.012030.5	KCS RR Overpasses HBI	$28,026
	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	$49,600
	ITS	H.011504.5	Alexandria ITS Phase 2	$54,179
ELOS	Environmental	Contract No. 4400025041 State Project No. H0153333	D62: IIJA OFF-SYS BRIDGE REPLACEMENT PGM	$123.00
		Contract No.4400019314 State Project No. H014267.5	DOTD Savanne Road Bridge	$12,697
		State Project No. H.014265	DOTD N River Road Bridge	$11,546

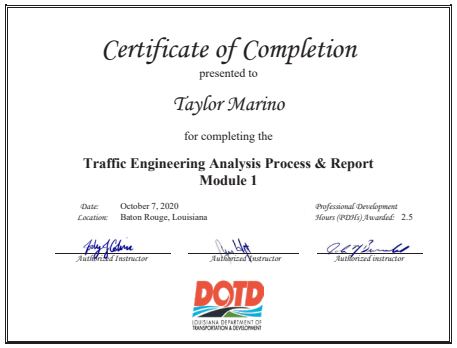
ELOS	Environmental	Contract No. 440001759717 State Projects (35 Structures) Districts 03, 07, 61 and 62	DOTD Rural Bridge Replacement Initiative	$8,232
		Contract No. 4400019337Multiple State Project Nos. Districts 08, 58 and 05;	DOTD Phase II Rural Bridge Replacement Initiative	$22,913.31

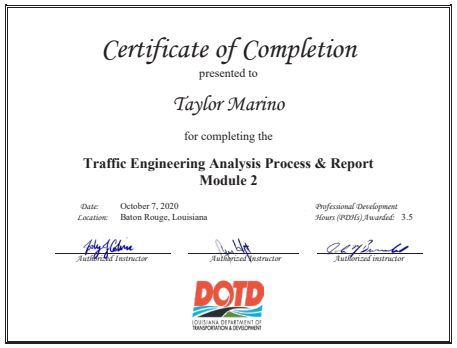
20. Certifications/Licenses:

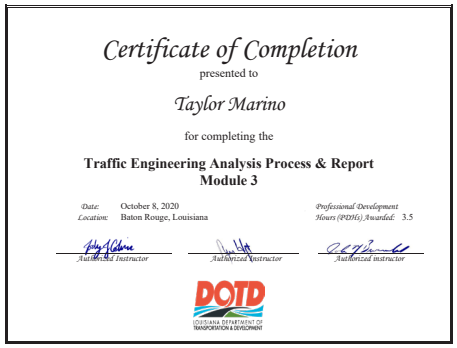

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

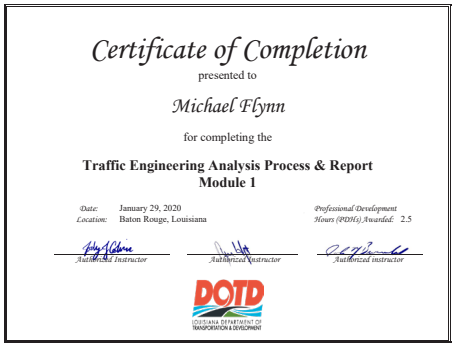

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

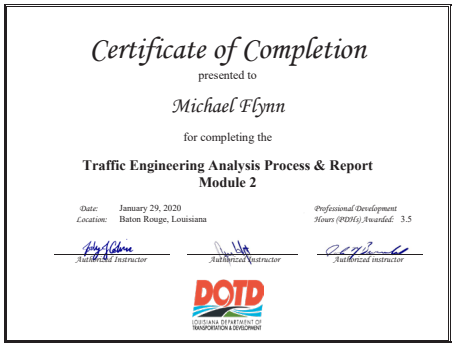

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 8, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

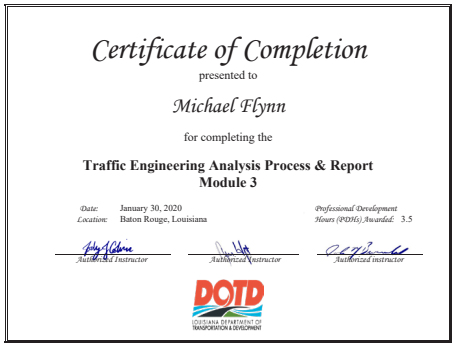

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

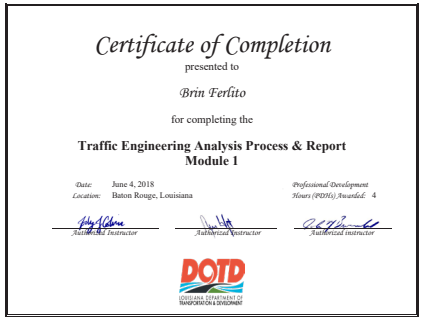

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

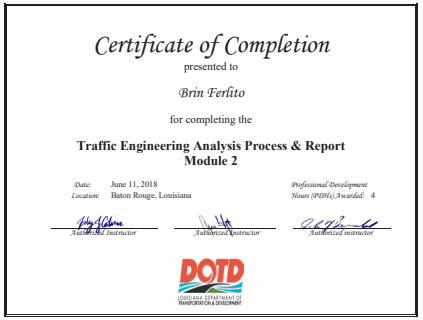

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 8, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

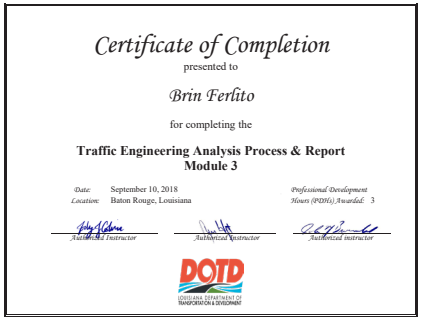

Certificate of Completion
presented to
Michael Flynn
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

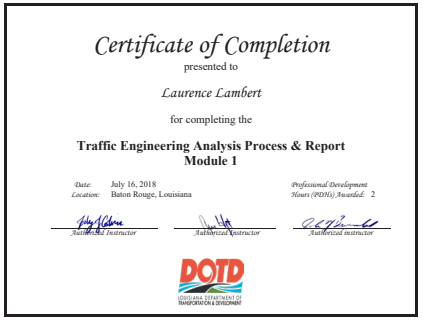

Certificate of Completion
presented to
Michael Flynn
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

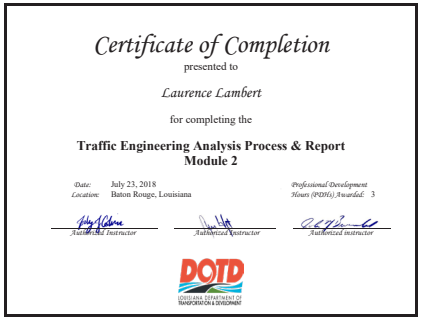

Certificate of Completion
presented to
Michael Flynn
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: January 30, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

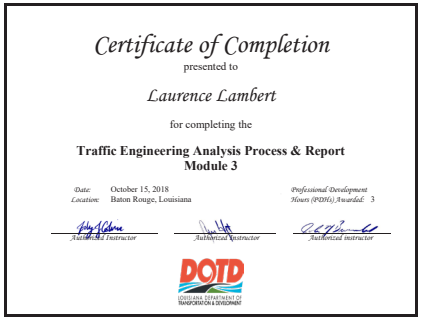

Certificate of Completion
presented to
Brin Ferlito
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: June 4, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

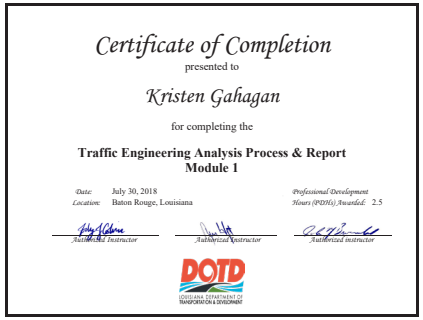

Certificate of Completion
presented to
Brin Ferlito
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: June 11, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 4
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

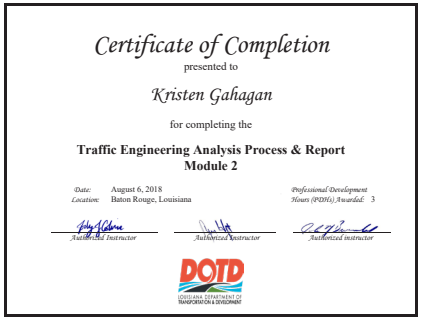

Certificate of Completion
presented to
Brin Ferlito
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: September 10, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

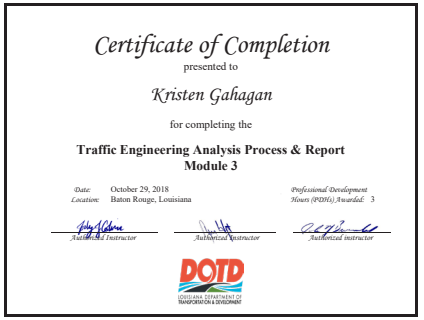

Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 16, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

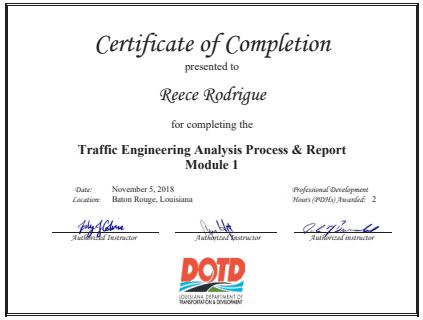

Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: July 23, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

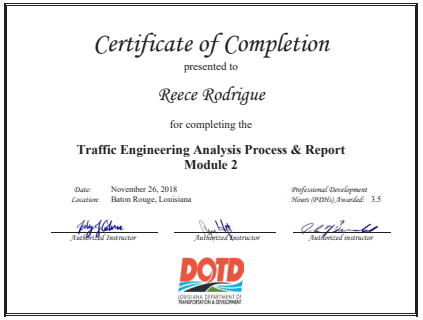

Certificate of Completion
presented to
Laurence Lambert
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 15, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

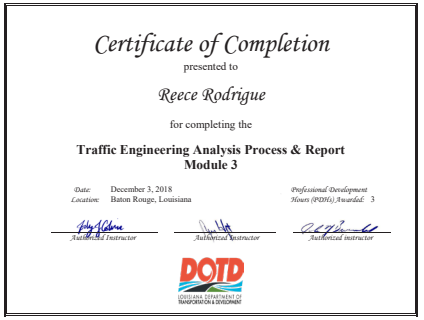

Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 30, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Kristen Gahagan
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 29, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

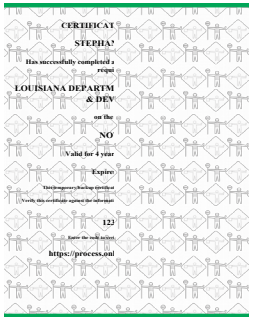

Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: November 5, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: November 26, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Reece Rodrigue
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: December 3, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Frank Liang
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
10/8/2021 to 10/8/2025
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


OnlineFlagger.com
CERTIFICATE
IS AWARDED TO
FRANK LIANG
Has successfully completed a flagger training course meeting the requirements of the
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
on the following date
NOVEMBER 24, 2021
Valid for 4 years from completion date.
This temporary/backup certificate is valid with a government-issued photo ID.
Use the code below to validate this certificate's authenticity, or get copies.
1253-1061-117970
To validate this code go to
https://onlineflagger.com/temporary_certificate_validator/


CERTIFICAT
STEPHA
Has successfully completed a
requi
LOUISIANA DEPARTM
& DEV
on the
NO
Valid for 4 year
Expire
123
https://process.onl


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Stephanie Bayne
has attended
Traffic Control Technician-LA State Specific
Training Course
5/24/2022 to 5/24/2026
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Stephanie Bayne
has attended
Traffic Control Supervisor-LA State Specific
Training Course
5/25/2022 to 5/25/2026
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Taylor Marino
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
5/27/2022 to 5/27/2026
Training Valid Through
New Orleans, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/29/2022 to 4/29/2026
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/29/2022 to 4/29/2026
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Reece Rodrigue
has attended
Traffic Control Supervisor-LA State Specific
Training Course
9/4/2019 to 9/5/2019
Date
Baton Rouge, LA
Location
Vice President of Member Services
President, CEO
American Traffic Safety Services Association ATSSA.com


PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
4/5/2021 to 4/5/2025
Training Valid Through
Baton Rouge, LA
Location
Director of Training
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
American Traffic Safety Services Association ATSSA.com


Certificate of Training
this certifies that
Sheelagh Ferlito
has successfully completed the training program requirements for
National Flagger Certification Training Course
Awarded on this 9th day of May 2023
This certificate is valid for 30 days from the date awarded.


Certificate of Training

this certifies that

Laurence Lambert

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this 9th day of May 2023

This certificate is valid for 30 days from the date awarded.


Certificate of Training

this certifies that

Reece Rodrigue

has successfully completed the training program requirements for

ATSSA Online Flagger Certification Training Course

Awarded on this 24th day of September 2020


ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that

Kristen Farrington

has satisfied the requirements to be designated as a CERTIFIED FLAGGER

Expiration Date 7/5/2025 State Issued in LA

Instructor Signature

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


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bruce K Dyson

has attended

Traffic Control Technician-LA State Specific

Training Course

6/21/2022 to 6/21/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Bruce K Dyson

has attended

Traffic Control Supervisor-LA State Specific

Training Course

6/22/2022 to 6/22/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO


ATSSA

American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

BRUCE DYSON

has satisfied the requirements to be designated as a CERTIFIED FLAGGER

Issue Date 8/4/2022

Exp. Date 8/4/2026

State Issued LA

Debbie Purcella

Instructor Name

Instructor Signature

V0000058731

Verify at Flagger.com


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Price

has attended

Traffic Control Technician-LA State Specific

Training Course

6/21/2022 to 6/21/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO


ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Price

has attended

Traffic Control Supervisor-LA State Specific

Training Course

6/22/2022 to 6/22/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO


ATSSA

American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

ROBERT PRICE

has satisfied the requirements to be designated as a CERTIFIED FLAGGER

Issue Date 8/12/2022

Exp. Date 8/12/2026

State Issued LA

Debbie Purcella

Instructor Name

Instructor Signature

V0000058875

Verify at Flagger.com

21. <u>QA/QC Plan:</u>

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted**.

22. Sub-consultant information:

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
GOTECH, Inc.	8383 Bluebonnet Blvd. Baton Rouge, LA 70810	Rhaoul A. Guillaume, Sr., P.E., FASCE rhaoul@gotech-inc.com	225.766.5358
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Ste. A Baton Rouge, LA 70809	Sheelagh Brin Ferlito, P.E., PTOE bferlito@vecturacs.com	225.223.6685
ELOS Environmental, LLC	607 W. Morris Ave. Hammond, LA 70403	Lucas Watkins lwatkins@elosenv.com	985.662.5501

23. Location:

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

DIGITAL ENGINEERING | dedicated engineering for better communities

LADOTD S.P. H.012473.5-1
Zachary Taylor & Marconi Drive Sidewalks
Local Roads Safety Program