digital engineering
DIGITAL ENGINEERING & IMAGING, INC.

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

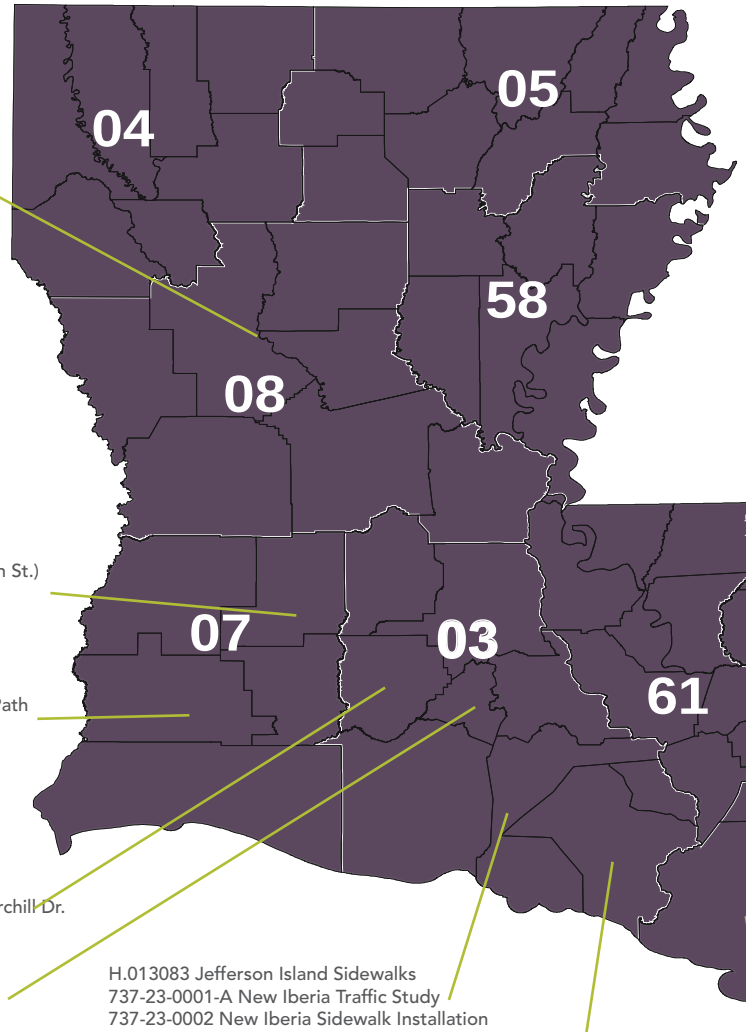
Contract No. 4400031004 | November 12, 2024

NATCHITOCHES SAFE STREETS REVITALIZATION

NATCHITOCHES PARISH, LOUISIANA

H.009764: Marconi Multi-Use Path
New Orleans, LA

DE has performed **39 LADOTD Projects related to pedestrian enhancements, sidewalks, and pedestrian traffic studies** across the State of Louisiana.



H.015590.5 - LA 494(Keysar Ave):
LA 6 to Blanchard Rd (Natchitoches)

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

H.011196 Barbe Elementary SRTS
H.013722 Guillory Street Shared Use Path

742-49-0001 Sidewalk Installation
H.013716 US 167: Camellia Blvd.- Churchill Dr. Sidewalks

H.015203 Pinhook @ Verot Pedestrian Improvement
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
742-51-0001 Sidewalk Installation - Franklin

H.013714 Valhi Blvd. Shared-Use Path

H.015211 Burgess Ave Sidewalk - Phase 4

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.011138 Covington Sidewalks & Other Safety Improvements

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.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.015371 Canal Blvd and 5th St Intersection Improvement
H.013084 Peltier Park Sidewalk
H.010109.5 Raceland and Bayou Blue Sidewalks
742-29-0002 Sidewalk Installation

DOTD FORM: 24-102

(Revised September 17, 2024)

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	Entity Contract for Natchitoches Safe Streets Revitalization in Natchitoches Parish
2. Contract Number(s) as shown in the advertisement	4400031004
3. State Project Number(s), if shown in the advertisement	H.015580.5
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	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	David LeBreton, Jr., P.E., PTOE, PTP, RSP_1 Vice President 504.468.6129 dlebreton@deii.net
9. Name, title, phone number, and email address of the official with signing authority for this proposal	David LeBreton, Jr., P.E., PTOE, PTP, RSP_1 Vice President 504.468.6129 dlebreton@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.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

David LeBreton, Jr., P.E., PTOE, PTP, RSP$_1$
Vice President

November 12, 2024
Date

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

Firm(s):	Firm(s)' %:
GOTECH, Inc.	13%
Marrero, Couvillon, & Associates, LLC	3%
The Beta Group, LLC	1%
TriCoeur Services, LLC	.65%

12. <u>Past Performance Evaluation Discipline Table:</u>

Past Performance Evaluation Discipline(s)	% of Overall Contract	Digital Engineering (Prime)	Arcadis (Sub-Traffic)	Forte & Tablada (Sub-Survey)	GOTECH (Sub-Survey) ***DBE***	Marrero Couvillon, & Associates, LLC (Sub-MEP) ***DBE***	The Beta Group (Sub-Geotechnical) ***DBE***	TriCoeur (Sub-Structural) ***DBE***	Each Discipline must total to 100%
Other (Safety Programs – LRSP, SRTPP, SRTS)	65%	77%	22%	0%	0%	0%	0%	1%	100%
Traffic	5%	0%	100%	0%	0%	0%	0%	0%	100%
Survey	23%	0%	0%	50%	50%	0%	0%	0%	100%
Right of Way	3%	0%	0%	50%	50%	0%	0%	0%	100%
Geotech	1%	0%	0%	0%	0%	0%	100%	0%	100%
Bridge	3%	0%	0%	0%	0%	100%	0%	0%	100%
Identify the percentage of work for the **<u>overall contract</u>** to be performed by the prime consultant and each sub-consultant.									
Percent of Contract	100%	50.05%	19.30%	13%	13%	3%	1%	.65%	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	2	7
	Supervisor - Eng	3	9
	Engineer	3	6
	Engineer Intern	1	6
	Senior Technician	1	2
	Technician	1	1
ARCADIS	Principal	1	3
	Engineer	3	9
	Supervisor - Eng	3	7
FORTE & TABLADA	Principal	1	2
	Surveyor	2	5
	Technician	1	5
GOTECH	Engineer	1	7
	Surveyor	1	2
MCA	Supervisor - Eng	1	1
	Engineer	1	5
TheBetaGroup engineering and construction services	Engineer	1	2
	Driller	1	4
TriCoeur Services LLC	Engineer	1	2

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

14. Organizational Chart

LEGEND

Digital Engineering (DE)
Arcadis (A)
Forte & Tablada (FT)
Marrero, Couvillon, & Associates (MCA)
The Beta Group (TBG)
TriCoeur Services (TS)
GOTECH (GT)

* Traffic Engineering Process and Report Training

LEGEND

1 Meets MPR 1
2 Meets MPR 2
3 Meets MPR 3
4 Meets MPR 4
5 Meets MPR 5
6 Meets MPR 6
7 Meets MPR 7
8 Meets MPR 8

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

digital engineering

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

Project Manager
Stephanie Turner, P.E., PMP * (DE)

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

Technical Advisor
[3] Frank Liang, P.E., PTOE * (DE)

TRAFFIC ENGINEERING + STUDIES

TRAFFIC DATA
Max Aguirre, PhD, P.E., PTOE, RSP_{21}*(A)

PEDESTRIAN STUDIES
[6]Akhil Chauhan, P.E., PTOE, PTP, PMP*(A)
[6]Ari Deitch, P.E., PTOE, PTP, RSP_1*(A)

DESIGN

SURVEYING + ROW
[4,5]Bradley Holleman, P.E., P.L.S.(FT)
Ross Wilson, P.L.S.(FT)
Gerald "Jerry" Middleton, P.L.S. (FT)
Brent Campbell (FT)
[4,5]Bruce Dyson, P.E., P.L.S. (GT)
Robert Price, P.L.S. (GT)

TRAFFIC ENGINEERING DESIGN
Jose M. Rodriguez, P.E., RSP_1*(A)
Kester Hollier, P.E., PTOE (A)

STRUCTURAL ENGINEERING DESIGN
[8] Barry Gahagan, P.E., P.L.S. (TS)

GEOTECHNICAL
Alex Jaramillo, P.E. (TBG)
Edward Lazier (TBG)

PRELIMINARY / FINAL PLANS
Taylor Marino, P.E., PTOE, RSP_1*(DE)
Michael Flynn, P.E.*(DE)
Rachel Douglass, P.E. (DE)
Karena Grigenas, EI (DE)
Gabriel Arias, P.E.(A)
Jose L. Rodriguez, P.E. (A)

LIGHTING DESIGN
[7]M. Kimball Schlaffy, P.E.(MCA)
Christian Schade, P.E. (MCA)

CONSTRUCTION

CONSTRUCTION SUPPORT
Frank Liang, P.E., PTOE*(DE)
Stephanie Turner, P.E.*(DE)
Gerald Babin, P.E. (DE)

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

CAD Technicians
Mickey Cochran (DE)
Donnie Wittke (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	David LeBreton, P.E., PTOE, PTP, RSP_1	digital engineering	P.E. #37176 - Civil PTOE #3333 PTP #661 RSP_1 #314	LA	09.30.2026 11.26.2024 03.27.2025 07.17.2025
2	David LeBreton, P.E., PTOE, PTP, RSP_1	digital engineering	P.E. #37176 - Civil PTOE #3333 PTP #661 RSP_1 #314	LA	09.30.2026 11.26.2024 03.27.2025 07.17.2025
3	Frank Liang, P.E., PTOE	digital engineering	P.E. #28549 - Civil PTOE #3362	LA	03.31.2026 11.26.2024
4	Bradley S. Holleman, P.E., P.L.S.	FORTE & TABLADA	P.E. #47165 – Civil PLS #5082 – Survey	LA	03.31.2025 09.30.2026
	Bruce Dyson, P.E., P.L.S.	GOTECH	P.E. #20162 – Civil PLS #4670	LA	03.30.2026 03.30.2026
5	Bradley S. Holleman, P.E., P.L.S.	FORTE & TABLADA	P.E. #47165 – Civil PLS #5082 – Survey	LA	03.31.2025 09.30.2026
	Bruce Dyson, P.E., P.L.S.	GOTECH	P.E. #20162 – Civil PLS #4670	LA	03.30.2026 03.30.2026

6	Akhilendra Chauhan, P.E., PTOE, PTP	ARCADIS	P.E. #0033703 PTOE #2544 PTP #246	LA	09.30.2026 11.30.2026 12.30.2024
	Ari Deitch, P.E., PTOE, PTP, RSP_1	ARCADIS	P.E. #0041842 PTOE #4346 PTP #690 RSP_1 #37	LA	03.31.2026 11.30.2026 07.30.2025 12.30.2024
7	M. Kimball Schlaffy, P.E.	MCA Engineering & Construction	P.E. #27699 - Electrical	LA	09.30.2026
8	Barry P. Gahagan, P.E., P.L.S.	TriCoeur Services LLC	P.E. #21586 – Civil P.L.S. #4834	LA	03.31.2026 03.31.2026

Firm employed by	digital engineering		
Name	Stephanie B. Turner, P.E., PMP	Years of relevant experience with this employer	3
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. 09.2025; ATSSA Traffic Control Flagger / Exp. 11.2026; 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; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Manager responsible for finalizing project scope, preparing contract fees, tracking project budgets, and tracking the project schedule from start to finish as well as keeping all parties informed on project status.	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mrs. Turner is a senior project engineer with 14 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 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.

16. Staff Experience:

Firm employed by	digital engineering		
Name	David LeBreton, Jr., P.E., PTOE, PTP, RSP$_1$	Years of relevant experience with this employer	17
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. 0037176 / 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	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. LeBreton offers 17 years of experience in 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/DOTD 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.

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.
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.
09/17 – 02/22	LADOTD H.013094: Broad Street-Read Boulevard Pedestrian Intersection Enhancements, New Orleans, LA *Engineer of Record/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.
11/16 – 07/18	DOTD H.006524: Safe Routes to Schools Program: Gretna Sidewalks and Safety Improvements, Gretna, LA *Project Manager* for this pedestrian enhancement, sidewalk, and road safety improvement project. He was responsible for overall project management, QA/QC, budgeting, and scheduling for development of a feasibility study and engineering plans and non-standard specifications for the installation and/or relocation of concrete sidewalks and crosswalks to allow for continuous pedestrian access to several schools within the City of Gretna. David also performed all construction engineering services. He reviewed and approved the inspectors daily work reports, plan changes, pay estimates, and weather working days.
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.

16. Staff Experience:

Firm employed by	digital engineering		
Name	Frank Liang, P.E., PTOE	Years of relevant experience with this employer	30
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. 03.26; PTOE #3362 / LA / Exp. 11.24; ATSSA Traffic Control Flagger & Supervisor / Exp. 11.25; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	1999	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Technical Advisor Responsible for overall constructability and technical guidance on project elements; Meets MPR No. 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.
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.

06/17 – Ongoing	LADOTD H.012682: Pedestrian Crosswalk Enhancements Phase II, New Orleans, LA *Principal in Charge* for this pedestrian enhancement, signing and pavement marking, and road safety improvement project. Scope includes new LED pedestrian countdown signals with accessibility features as appropriate at 50 intersections, new rectangular rapid flashing beacons (rrfbs) with advance stop bars at six pedestrian crossings, new high visibility crosswalks and curb ramps, ancillary facilities (wiring, pedestals, etc.) for pedestrian signals and beacons, and new roadway signage.
09/16 – 07/19	LADOTD H.010109: Safe Routes to Schools Program: Safety Improvements in the Vicinities of Raceland Upper Elementary School and Bayou Blue Middle School, Lafourche Parish, LA *Principal in Charge/Project Manager* responsible for overseeing the design and construction oversight for safety enhancements near Raceland Upper Elementary and Bayou Blue Middle Schools in Lafourche Parish. Frank led the project feasibility phase, coordinating with stakeholders, developing a detailed project scope, cost estimates, and timeline. Key improvements included new sidewalks, ADA-compliant slopes, solar-powered flashing beacons for enhanced pedestrian safety, and subsurface drainage systems. His leadership ensured alignment with LADOTD standards, facilitating safer routes for students and the community.
06/13 – 08/15	LADOTD H.010210: Tangipahoa Parish Road/Railroad Safety Improvements, Tangipahoa Parish, LA *Principal in Charge/Project Manager* for this project responsible for leading safety enhancements at 22 public railroad crossings in Tangipahoa Parish. Frank ensured compliance with the Manual of Uniform Traffic Control Devices, overseeing studies to assess marking needs and directing the design and installation of pavement markings and other safety measures. His role encompassed full project management, including bidding, construction administration, and resident inspection, to facilitate seamless coordination with the Louisiana Department of Transportation and Development and ensure project objectives were met effectively.
03/13 – 06/15	LADOTD H.006621.5: Local Road Safety Program: Bogalusa Pavement Markings, Bogalusa, LA *Principal in Charge/Project Manager* for this project is responsible for overseeing the enhancement of road safety through pavement marking improvements across 44 streets in Bogalusa. Frank ensured all design elements adhered to current safety standards from the Manual of Uniform Traffic Control Devices. His responsibilities included conducting street assessments, coordinating the design and installation of pavement markings and reflective markers, and managing all aspects of project delivery, including bidding, construction administration, and inspection. This role required close collaboration with the City of Bogalusa's Department of Public Works to ensure successful project completion.
04/12 – 09/15	LADOTD H.006567: Pedestrian Crosswalk Enhancements Phase I, New Orleans, LA *Principal in Charge/Project* Manager of this Local Road Safety Program pedestrian enhancement, signing and pavement marking, and road safety project. His duties included the development of the feasibility report, coordinating with New Orleans Department of Public Works Traffic Engineering Department on the determination of existing facilities, and assisting in the development and review of the engineering plans for constructability. The scope of this project involved the development of a feasibility study, developing engineering plans, and providing construction engineering and inspection services for the pedestrian safety enhancements 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.

Firm employed by	digital engineering				
Name	Alan Krouse, P.E.		Years of relevant experience with this employer	4	
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. 09/2025		
Year registered	1981	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			QAQC Manager Responsible for Quality Assurance and Quality Control		

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.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	Max Aguirre, PhD, PE, RSP, PTOE	Years of relevant experience with this employer	5
Title	Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		PhD / 2018 / Engineering Science, LSU MS / 2015 / Construction Management, LSU; BS / 2013 / Civil Engineering, LSU	
Active registration number / state / expiration date		PE. 052016/ NC / Exp. 12/31/2024; PE. 0047579/ LA / Exp. 09/30/2025; RSP2I #182 / USA / Exp. 7/2027; PTOE: 5291/ Exp 07/2025; ATSSA Traffic Control Supervisor / Exp. 09.25; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.			Traffic Engineering

Experience dates	Experience and qualifications relevant to the proposed contract
	Dr. Aguirre is a Professional Engineer in the state of North Carolina and a Road Safety Professional. Over the course of his academic career, Dr. Aguirre has served as a Graduate Research Assistant and participated in multiple field-related organizations. Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to traffic and safety studies, feasibility studies, pedestrian and bicycle improvements, permanent signing design, signal design, and NEPA studies. He is also familiar with the Highway Capacity Manual, Highway Safety Manual, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including IHSDM, SYNCHRO, GuidSIGN, HCS and MicroStation software. Dr. Aguirre has completed LADOTD Traffic Engineering Process and Report Training.
09/19 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA *Traffic Engineer.* Assisted with the assessment of existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes. Assisted in the development of Road Safety Assessments (RSAs) at 10 priority locations to identify and evaluate safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.
09/19 – Ongoing	Interchange Feasibility – I-49 (Ricohoc to Berwick) Supplemental Environmental Impact Assessment, LADOTD, St. Mary Parish, LA *Traffic Engineer.* Assist in project tasks involving planning and evaluation of different interchange alternatives and their geometric design, socio-economic impacts, mobility impacts, and environmental impacts.
10/19 – 07/21	I-10 New Orleans to Slidell Hard Shoulder Running Feasibility Study, LADOTD, Orleans Parish, LA *Traffic Engineer.* Purpose of the project was to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor. Assisted in the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell.

08/19 – 02/20	US 61 Access Management and Corridor Improvements (Airline Hwy) Feasibility Study, LADOTD, East Baton Rouge Parish, LA *Traffic Engineer.* Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted in conducting traffic analysis and the development of benefit-cost analysis to compare the effectiveness of the proposed alternatives.
11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA *Traffic Engineer.* Assisting in traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of existing condition safety analysis including tasks such as crash data analysis, collision diagrams, and crash report documentation.

16. Staff Experience:

Firm employed by	ARCADIS			
Name	Akhil Chauhan, PE, PTOE, PTP, PMP		Years of relevant experience with this employer	16
Title	Principal Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology BS / 2001 / Civil Engineering, Indian Institute of Technology	
Active registration number / state / expiration date			PE.033703 / LA / Exp. 09/2026; PTOE #2544 / USA / Exp. 11/2026; PTP #246 / USA / Exp. 12/2024; PMP #1444676 / PA / Exp. 08/2025; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2008	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Traffic and Safety Technical Advisor	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Chauhan is a principal traffic engineer with more than 20 years of applied research and industry experience in the fields of highway safety, traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, NEPA studies, and access management. Akhil has successfully led, managed, and mentored numerous projects and personnel related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS. Mr. Chauhan has completed the LADOTD Traffic Engineering Process and Report Training.
04/16 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA *Principal Engineer & Technical Advisor.* Preparation of pedestrian safety study for 20 intersections with high occurrence of pedestrian safety issues - especially between motorized and non-motorized travel modes. Scope of services include data collection (for both vehicles and pedestrians), analysis of existing traffic conditions, historical crash data evaluation, investigation of safety deficiencies at each intersection, recommendation of safety improvements such as traffic signal improvements, intersection striping improvements, signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliance including curb ramps, and parking modifications, analysis of alternatives and conceptual layout development, cost estimates, and Stage 0 checklists.
02/18 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA *Principal Engineer.* Responsible for contract management and technical advisory for the project, which involved the development of a Pedestrian and Bicycle Safety Action Plan (PBSAP). Arcadis developed screening criteria based on crash data and socioeconomic data to identify high priority locations with a history of pedestrian and/or bicycle crashes and performed Road Safety Assessments (RSAs) at 10 priority locations to identify safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.
12/13 – 06/15	LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA *Project Manager and Principal Engineer.* Responsible for the preparation of a formal corridor safety study that analyzed alternatives and enhanced safety and mobility on LA 3235. Main tasks included traffic data collection, warrant studies, traffic analysis, safety analysis, development of conceptual layouts, and public outreach. Intersections found to warrant signalization were also modeled in unconventional designs including RCUT, MUT, and Continuous T-intersections. Safety performance of alternatives was estimated

	using Highways Safety Manual predictive methods. Preliminary cost estimates and conceptual layout drawings were also produced. Stage 0 checklists were complete as part of study documentation.
12/13 – 05/15	Joe Sevario / Roddy Road Stage 0 Safety Feasibility Study, LADOTD, Ascension Parish, LA *Project Manager and Principal Engineer.* Evaluation of roundabouts at 10 stop-controlled intersections along Joe Sevario / Roddy Road, from US 61 to LA 42, a length of approximately 7.2 miles. Main tasks include traffic data collection, crash analysis, capacity analysis, safety analysis, review of existing pipelines and other municipal utilities, alternatives analysis, design development, and cost estimates.
04/16 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA *Principal Engineer.* Responsible for contract management and technical advisory of project tasks. Arcadis researched best practices around the country to develop potential alternatives. Highway Safety Manual methods were applied to quantify the safety performance of proposed alternatives. Traffic analysis was performed using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Conceptual drawings and construction cost estimates were developed to evaluate the feasibility of proposed alternatives.
02/15 – 08/17	US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA *Principal Engineer.* Responsible for overseeing the preparation of a traffic and safety study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Arcadis developed alternatives to address identified needs on US 71 using a data driven, tiered analysis approach. Alternatives were developed in close coordination with District 08 staff to better understand project needs and incorporate context sensitive solutions.
02/17 – 02/18	I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA *Principal Engineer.* Responsible for contract management and technical advisory for project tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
04/16 – Ongoing	Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA *Principal Engineer.* Responsible for contract management and deliverables for the project which included traffic and safety analysis, alternative screening and analysis, preliminary raodway and bridge design, line and grade, Interchange Modification Report, and Environmental Assessment. The purpose of the project is to improving operations and safety along Range Avenue at the I-12 interchange and along I-12. Design alternatives included two split diamond interchange options with roundabout, partial cloverleafs, and collector distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16), and a diverging diamond interchange alternative at Range Avenue.
11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA *Principal Engineer.* Responsible for technical advisory and QAQC of all traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	Ari Deitch, PE, PTOE, PTP, RSP	Years of relevant experience with this employer	10
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		PE.0041842 / LA / Exp. 03/2026; PTOE #4346 / USA / Exp. 11/2026 PTP #690 / USA / Exp. 07/2025; RSP #37 / USA / Exp. 12/2024; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic Engineering	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Deitch is a Senior Traffic Engineer specializing in traffic safety, traffic engineering and design, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on a wide range of transportation projects for LADOTD, and other DOTs and municipalities across the country, pertaining to safety studies, access management, pedestrian and bicycle improvements, completed streets, Stage 0 feasibility studies, traffic studies, transportation management plans, NEPA studies, signal design, and signing and marking design. He has experience with Highway Safety Manual methods and is proficient in IHSDM, Synchro, Vistro, VISSIM, SIDRA, and MicroStation software.
04/16 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA *Assistant Project Manager.* Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes and selecting safety countermeasures for 20 high-risk locations. Developed design drawings for proposed short-term and long-term improvement phases and conducted benefit-cost analysis to inform project prioritization. Conducted safety analysis using Highway Safety Manual predictive methods. Organized and lead project stakeholder meetings to review alternatives, obtain feedback, and develop context sensitive solutions. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists for all 20 intersections.
02/23 – 05/24	District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parishes, LA *Project Manager.* Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk locations in Caddo and Bossier Parishes. Locations were identified through a systemic safety analysis conducted by LADOTD and CARTS. Tasks included historical crash analysis, site visits, concept development, benefit-cost analysis, and stage 0 documentation. Stakeholder engagement was a critical component of the study and stakeholder input was facilitated at key project milestones.
02/18 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA *Traffic Engineer.* Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes. Participated in Road Safety Assessments (RSAs) at 10 priority locations to identify and evaluate safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists.

02/15 – 09/18	US 71 Corridor - Phase II and III Traffic and Safety Corridor Study, LADOTD; Rapides Parish, LA *Project Manager and Traffic Engineer*. Responsible for overseeing and managing project tasks including traffic data collection, warrant studies, traffic analysis, crash analysis, alternative and countermeasure development, predictive safety analysis, and conceptual drawings.
01/19 – 05/20	US 90 Ramps at LA 88 Roundabouts, Iberia Parish, LA *Transportation Engineer.* Assisted with permanent signing and striping components of roadway safety design plans to accommodate the construction of proposed roundabouts.
08/14 – 06/15	LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA *Traffic Engineer*. Responsible for review of existing crash data and traffic operations analysis, development of safety countermeasures, conceptual drawings, signal warrant analysis and timing plans. and Stage 0 documentation. Purpose of the project was to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the LA 3235 corridor. Safety performance of alternatives was estimated using Highways Safety Manual predictive methods.
04/16 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA *Traffic Engineer.* Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Developed conceptual drawings and construction cost estimates to evaluate the feasibility of proposed alternatives.
02/17 – 02/18	I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA *Traffic Engineer.* Responsible for data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
04/21 - Ongoing	Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA *Project Manager.* Responsible for managing project tasks and deliverables that Arcadis is responsible for and ensuring QAQC protocols are performed. Arcadis is performing all crash data analysis tasks for the SHSP update, including a statistical analysis of existing emphasis areas and evaluating potential modifications to emphasis areas.
08/19 – 02/20	US 61 Access Management and Corridor Improvements, LADOTD, East Baton Rouge Parish, LA *Technical support and QAQC*. Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted with the development of construction cost estimates and benefit-cost analysis to compare the effectiveness of proposed alternatives.
04/16 – Ongoing	Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA *Traffic Engineer*. Responsible for traffic analysis of proposed alternatives using VISSIM software. Played a key role in the development of preliminary roadway design drawings, incorporation LADOTD's Complete Streets Policy, and implementing enhanced pedestrian safety measures such as high visibility crosswalks. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Conducted signal warrant analysis and developed optimized timing plans for proposed improvements.

16. Staff Experience:

Firm employed by	FORTE & TABLADA		
Name	Bradley S. Holleman, P.E., P.L.S.	Years of relevant experience with this employer	3
Title	Senior Vice President, Survey/AMM	Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering, Minor in Land Surveying	
Active registration number / state / expiration date		PLS. 0005082 / LA / Exp. 09.26; PE.0047165 / LA / Exp. 03.25; ATSSA Traffic Control Supervisor / Exp. 01.25	
Year registered: 2012	Discipline	Land Surveying/Civil Engineering	
Contract role(s) / brief description of responsibilities.		Supervising Surveying Professional; Meets MPR No. 4, 5	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Holleman has 12 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 8 years being the Supervising Professional and 3 years as Principal. He has successfully managed over 40 task orders under 8 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. Mr. Holleman will serve as Supervising Surveying Professional during this contract, and in that role he will coordinate with the Project Manager to assure tasks are estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada's quality standard. Mr. Holleman fulfills the minimum personal requirements of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five (5) years of experience in performing property surveys, topographic surveys, and preparing ROW Maps for DOTD as shown below.
01/21-04/23	LADOTD H.011684: LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974- Task Order 5) *Principal-in-Charge* for a topographic survey, Terrestrial LiDAR survey, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and LA 327 (Gardere Ln.) and LA 30.
01/21-12/22	LADOTD H.003931: Calcasieu River Bridge (HBI), Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4) *Principal-in-Charge* for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
06/21 – Ongoing	LADOTD H.014219, H.014222, H.014228, H.014231 and H.014236: Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336) *Principal-in-Charge* for topographic surveying and right-of-way mapping services.
01/21 – 03/22	LADOTD H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990: Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598) *Principal-in-Charge* for topographic surveying and right-of-way mapping services.
08/23 – Ongoing	LADOTD H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553: Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029) *Principal-in-Charge* for topographic surveying and right-of-way mapping services.

01/23- 01/24	LADOTD H.014218: US190-Livingston Parish Line (4400021974-Task Order 2), East Baton Rouge Parish, LA *Principal-in-Charge* for this project providing topographic survey, Mobile LiDAR, and drainage mapping. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.
01/21-Ongoing	LADOTD H.004273.5: I-49 Connector, Lafayette Parish, LA *Principal-in-Charge* responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines.
11/19-12/20	LADOTD H.012083: Calcasieu River Bridge Investigation, Calcasieu Parish, LA *Surveyor* to provide Mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
08/19-Ongoing	LADOTD H.011670: I-10/Loyola Interchange Improvements, Kenner, LA *Surveyor-in-Charge/Principal-in-Charge* providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/ QC of all Survey work. Mr. Holleman originally managed SJB Group's portion of the Survey and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.
04/21 – 06/21	LADOTD H.014628: LA 397:Turn Lanes at Rice Mill, Calcasieu Parish, LA (4400010587-Task Order 17) *Principal-in-Charge* responsible for topographic surveying at the intersection of LA 397 and Joe Spears Rd.
01/18 – 04/20	**LADOTD** H.004100: I-10: LA 415 to Essen Lane, East Baton Rouge Parish, LA *Surveyor-in-Charge* for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
05/18 - 04/19	LADOTD H.012591: I-10 Paris Road Lake Pontchartrain, New Orleans, LA *Surveyor-in-Charge* for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East.
06/16 – 02/17	LADOTD H.000263: Chef Menteur Pass Bridge *Surveyor-in-Charge* for the topographic survey, 3D laser scanning and existing drainage map. This project was for the design of new bridge to replace the existing swing bridge on US 90 over Chef Menteur Pass.
12/14 – 03/16	LADOTD H.011137 & H.011152: I-12 (LA 21 to LA 59), St. Tammany Parish, LA *Surveyor-in-Charge* for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish.
04/12 - 09/12	LADOTD H.009391: LA 3188 Drainage Improvements, Laplace, LA *Surveyor-in-Charge* for the topographic survey and existing drainage map. This project was for drainage improvements to resolve localized roadway flooding along LA 3188.

Firm employed by	FORTE & TABLADA		
Name	Ross Wilson, P.L.S.	Years of relevant experience with this employer	13
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2010 / Geomatics	
Active registration number / state / expiration date		PLS. 0005148 / LA / Exp. 03.26; ATSSA Traffic Control Supervisor / Exp. 04.27	
Year registered	2015	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities.		Professional Land Surveyor	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Wilson is a Professional Land Surveyor licensed in the States of Louisiana, Mississippi, Texas, Arkansas, Kentucky, and Tennessee with 13 years of land surveying experience. Mr. Wilson has experience using Civil 3D, Microstation, Inroads, CAD Conform, and Trimble Business Center, and has managed and performed CAD work on Property Surveys, Topographic Surveys, Right-of-Way Maps, and Construction Surveys.
05/21 – 12/22	LADOTD H.003931:Calcasieu River Bridge (HBI), Calcasieu Parish, LA (4400010587-Task Order 18; 4400015237-Task Order 1; 4400021974-Task Orders 1, 3, and 4) *Surveyor-in-Charge* for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I- 210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
08/19-Ongoing	**LADOTD** H.011670: I-10/Loyola Interchange Improvements, Kenner, LA *Surveyor-in-Charge* providing Topographic Survey, Right- of- Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all Survey work.
08/15-Ongoing	LADOTD H.004273.5: I-49 Connector, Lafayette Parish, LA *Survey Manager/Surveyor-in-Charge* responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines.
06/20-03/22	LADOTD H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990: Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598) *Surveyor-in-Charge* for topographic surveying and right-of-way mapping services.
06/21-Ongoing	**LADOTD** H.014219, H.014222, H.014228, H.014231 and H.014236: Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05 (4400019336) *Surveyor-in-Charge* for topographic surveying and right-of-way mapping services.

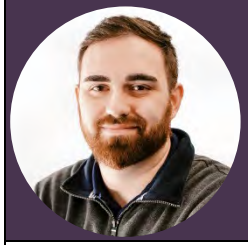
08/23 – Ongoing	**LADOTD** H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553: Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program, 10 State Project Numbers (13 Bridge Sites), District 61 (4400025029) *Surveyor-in-Charge* for topographic surveying and right-of-way mapping services.
01/18-06/19	LADOTD H.004100: I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes (4400012323) *Survey Manager* for topographic survey, and terrestrial LiDAR survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to 5 Survey Crews to meet phased deadlines.
10/18-02/19	LADOTD H.012343: Sunshine Bridge Repair, St. James Parish, LA (4400010587- Task Orders 2, 3, 4, 5, and 10) *Surveyor-in-Charge* responsible for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. Monitoring efforts took place before and during construction to support engineering jacking. Post-construction as-builts and profiles of the damaged area of the bridge were also provided.
01/20-10/20	LADOTD H.012588, H.012169, H.012587: I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290- W End of LA 415- West Baton Rouge & Iberville Parishes, LA (4400010587- Task Orders 6, 7, and 8) *Surveyor-in-Charge* for complete topographic survey and Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
10/12-03/13	LADOTD H.009250: I-10: Highland to LA 73, East Baton Rouge and Ascension Parishes, LA *Survey Manager* for the topographic survey and Terrestrial LiDAR of approximately 7.0 miles to widen the interstate.
12/16-12/19	**LADOTD** Retainer Contract No. 4400009387 for Professional Surveying Services - Statewide with Majority of Work in Districts 03 and 07 *Surveyor* performing Topographic Surveys for LA DOTD. This Retainer contract included a total of 5 separate Task Orders for 3 State Highway Projects. Survey tasks performed on these task orders included Conventional Topo, Hydrographic Survey, LiDAR Survey, and producing Existing Drainage Maps.
12/21-Ongoing	LADOTD IDIQ Contract No. 4400021974 for Professional Surveying Services - Statewide with Majority of Work in Districts 03 and 07 *Surveyor-in-Charge* performing Topographic Surveys for LA DOTD. To date, this IDIQ contract has included a total of 9 separate Task Orders for 7 State Highway Projects. Survey tasks performed on these task orders included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
06/17-06/22	**LADOTD** Retainer Contract No. 4400010587 for Professional Surveying Services - Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62 *Surveyor-in-Charge* performing Topographic Surveys for LA DOTD. Survey tasks performed on these task orders included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
10/17-03/20	LADOTD H.005967: Nelson Road Extension and Bridge, Calcasieu Parish, LA *Survey Manager* responsible for topographic survey services North of Contraband Bayou for LA DOTD.
03/13-07/15	LADOTD H.004698: Almonaster Avenue Lift Bridge, Orleans Parish, LA *Survey Manager* responsible for performing topographic, LiDAR, and property surveys. An existing drainage map was also produced as part of this survey.

Firm employed by	FORTE & TABLADA		
Name	Gerald "Jerry" Middleton, P.L.S.	Years of relevant experience with this employer	12
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		PLS. 0004856 / LA / Exp. 09.25	
Year registered	1999	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities.		Professional Land Surveyor	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Middleton has over nearly fifty years of Right-of-Way, property and topographic survey, and title take-off experience for clients including LA DOTD, City of Baton Rouge/Parish of East Baton Rouge and surrounding parishes. He has completed many roadway surveying projects including rural and urban roadways maintaining State and Federal standards. He has experience with a wide range of land surveying projects, and is knowledgeable in office and field work phases of projects involving Topographic, Boundary and Rights-of-Way Surveys utilizing various Robotic Data Collection methods, and CAD Drafting.
05/21 – 12/22	LADOTD H.003931: Calcasieu River Bridge (HBI), Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4) *QC Reviewer* for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. Survey included four (4) phases of work, which were completed within a condensed timeline, requiring up to six (6) Survey Crews being mobilized in order to meet deadlines for each Phase.
08/14-Ongoing	LADOTD H.004273.5: I-49 Connector, Lafayette Parish, LA *QC Reviewer* responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines.
08/19-Ongoing	LADOTD H.011670: I-10/Loyola Interchange Improvements, Kenner, LA *QC Reviewer* providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all Survey work.
01/18-06/19	LADOTD H.004100: I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes- LA DOTD (4400012323) *QC Reviewer* for topographic survey, and terrestrial LiDAR survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to 5 Survey Crews to meet phased deadlines.

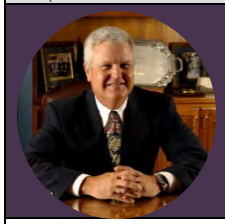
01/20-10/20	**LADOTD** H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290- W End of LA 415- West Baton Rouge & Iberville Parishes, LA (4400010587- Task Orders 6, 7, and 8) *QC Reviewer* for complete topographic survey and Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
06/20-03/22	**LADOTD** H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990: Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58 (4400017598) *QC Reviewer* for topographic surveying and right- of-way mapping services.
10/12-03/13	LADOTD H.009250: I-10: Highland to LA 73, East Baton Rouge and Ascension Parishes, LA *QC Reviewer* for the topographic survey and Terrestrial LiDAR of approximately 7.0 miles to widen the interstate.
01/23-01/24	**LADOTD** H.014218: US190 - Livingston Parish Line, East Baton Rouge Parish, LA (4400021974- Task Order 2) *QC Reviewer* for this project providing topographic survey, mobile LiDAR, and drainage mapping. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.
02/17-03/18	LADOTD H.010753.5: US 90/I-310 Interchange, St. Charles Parish, LA (4400009387-Task Orders 1 and 3) *QC Reviewer* responsible for topographic surveying and drainage mapping of approximately 2 miles along US-90 and the area of the US 90/I-310 Interchange in St. Charles Parish.
05/17-10/18	**LADOTD** H.004791.5: Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA (4400009387- Task Orders 2 and 5) *QC Reviewer* for comprehensive topographic surveying, multi-beam hydrographic surveying, and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD.
10/17-03/20	**LADOTD** H.005967: Nelson Road Extension and Bridge, Calcasieu Parish, LA *QC Reviewer* responsible for topographic survey services North of Contraband Bayou for LA DOTD.
03/13- 07/15	**LADOTD** H.004698: Almonaster Avenue Lift Bridge, Orleans Parish, LA *QC Reviewer* for performing topographic, LiDAR, and property surveys. An existing drainage map was also produced as part of this survey.
10/13-10/14	LADOTD H.002365.5: LA 63: Bridges near Bluff Creek, East Feliciana Parish, LA (4400004591; 4400009387-Task Order 4) *QC Reviewer* for topographic surveys for 3 bridge replacements along LA 63.
07/12–12/20	**LADOTD** H.012308: Cook Road Improvements, Livingston Parish, LA *QC Reviewer* for Topographic and Right-of-Way surveys for this project that designed a four lane boulevard section from LA Hwy 16 to LA Hwy 1026, along with several bridges.
12/19-09/20	LADOTD H.011970: Bayou Terrebonne Bridges, Terrebonne Parish, LA (4400010587- Task Order 9) *QC Reviewer* for the topographic survey of the Bayou Terrebonne bridges and surrounding area, at the intersection of LA 182 and Bayou Terrebonne.
11/16–01/18	LADOTD H.007160: East Baton Rouge Computerized Traffic Signals-Phase VB, East Baton Rouge Parish, LA *Surveyor-in-Charge* for survey and right-of-way mapping of eight intersections in Baton Rouge for the construction and installation of new computerized traffic synchronization equipment and components.
05/17–10/17	**LADOTD** H.013052: LA 442 Tangipahoa River Bridge Replacement, Tangipahoa Parish, LA *QC Reviewer* to provide topographic surveying for the LA 442 bridge over the Tangipahoa River. The survey included terrestrial LiDAR scanning of all bridge features.

Firm employed by	FORTE & TABLADA		
Name	Brent Campbell	Years of relevant experience with this employer	11
Title	Advanced Measurements Department Lead	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 2013 / Construction Management	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities.		Advanced Measurements Department Lead/Laser Scanning Technician	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Campbell is an Advanced Measurements expert with over a decade of experience using terrestrial and mobile/aerial LiDAR. He has widespread experience managing and overseeing execution of projects involving advanced data capture techniques including LiDAR, Photogrammetry, Multibeam Bathymetry, and Aerial Imagery. His experience includes scanning roadways and bridges and extracting geometry for survey use. He is an FAA licensed for unmanned aerial vehicle (UAV) pilot. Mr. Campbell has received the following awards: Patriot Employer Award from the LA National Guard; Grand Award and People's Choice by ACEC for Statewide Inspection of Metal Culverts, Transportation Excellence Award by LA ODTD for the Use of Innovative Technology; Grand Conceptor Award by ACEC for the Sunshine Bridge Emergency Repair; People's Choice Award by ACEC for the Brookhill Ferry BIM model.
06/23-08/23	LADOTD H.009730: Underwater Acoustic Imaging - LA 14 Over Delcambre Canal Hydrographic Survey, Iberia Parish, LA *Technician* for the area around the LA 14 Bridge over Delcambre Canal. The work included typical cross-sections, and water bottom features below waterline were collected using multi-beam and single beam sonar equipment. Terrestrial LiDAR was used to capture the above water surface.
05/22-10/22	LADOTD 4400019121: Underwater Acoustic Imaging, Statewide, LA *Technician* responsible for aiding in the field acquisition of multibeam hydrographic survey data of 10 bridges in South Louisiana. The bridges locations ranged from Inner Harbor Navigation Canal in New Orleans to the Mississippi River in Baton Rouge. Data was then extracted from the multibeam data to provide depths at predetermined locations along the bridge and immediate area.
05/17-10/18	LADOTD H.004791.5: Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA (4400009387- Task Orders 2 and 5) *Technician* for multi-beam hydrographic and terrestrial LiDAR survey as part of comprehensive topographic surveying and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project. Included in this work was a survey performed of bridge and tunnel features.
03/13-07/15	LADOTD H.004698: Almonaster Avenue Lift Bridge, Orleans Parish, LA *Technician* responsible for performing Terrestrial LiDAR as part of a comprehensive Topographic Survey for LADOTD.
05/21 – 12/22	LADOTD H.003931: Calcasieu River Bridge (HBI), Calcasieu Parish, LA (4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4) *Group Leader* responsible for this project providing Mobile and Terrestrial LiDAR, and Multibeam Hydrographic survey of Lake Charles. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long.
10/18-05/19	LADOTD H.012343: Sunshine Bridge Repair, St. James Parish, LA (4400010587- Task Orders 2, 3, 4, 5, and 10) *Project Manager* responsible for working with the design team to formulate a practical solution for attaining advanced measurements that were compatible with traditional measuring practices which were required for the structural analysis and repair design for the bridge. Major role in this project was creating a set of plans to document the damage on this bridge. These plans

	contained detailed information on structural strain and inconsistencies from the original plans. Additionally, assisted in scanning for incremental bridge movement as well as monitoring bridge movement as LADOTD jacked on members to place new beams using Faro Scene and MicroStation.
01/18-06/19	LADOTD H.004100: I-10: LA 415 to Essen Lane to I-10 and I-12, East and West Baton Rouge Parishes (4400012323) *Project Manager* responsible for scanning efforts for topographic survey of approximately 5 miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane.
03/21 – 12/21	MOVEBR (20-EN-HC-0003): Florida Blvd. Corridor Enhancement, East Baton Rouge Parish, LA *Mobile LiDAR Technician* responsible for assisting with capturing mobile data. Responsible for processing and extracting the Mobile LiDAR data. This project is in a dense urban area and is approximately 4 miles long.
08/15-Ongoing	LADOTD H.004273.5: I-49 Connector, Lafayette Parish, LA *Technician* responsible for providing terrestrial LiDAR scanning for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.
01/23- 01/24	LADOTD H.014218: US 190-Livingston Parish Line, East Baton Rouge Parish, LA (4400021974-Task Order 2) *Group Leader* responsible for management and QAQC of performing Mobile LiDAR and extraction for project providing topographic survey. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.
01/20-10/20	LADOTD H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415, West Baton Rouge & Iberville Parishes, LA (4400010587-Task Orders 6, 7, and 8) *Technician* for complete Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
10/19-10/20	LADOTD H.012485.1: Inspection of Metal Culverts, Statewide, LA *Group Leader* responsible for the management and QAQC for inspections and data acquisition for approximately 230 culvert locations statewide. Culvert measurements were acquired with a mixture of 3-D laser scanning, sonar, and LiDAR.
12/19-09/20	LADOTD H.011970: Bayou Terrebonne Bridges, Terrebonne Parish, LA (4400010587- Task Order 9) *Senior Technician* for the terrestrial LiDAR survey of the Bayou Terrebonne bridges and surrounding area, at the intersection of LA 182 and Bayou Terrebonne.
11/19-12/20	LADOTD H.012083:Calcasieu River Bridge INT Repairs, Calcasieu Parish, LA (4400010587-Task Orders 12, 14, and 15) *Senior Technician* to provide laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
11/18-3/19	LADOTD H.011684: LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA (4400010587- Task Orders 1 and 16; 4400021974-Task Order 5) *Technician* for Terrestrial LiDAR Survey for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and LA 327 (Gardere Ln.) and LA 30.
06/19–09/19	LADOTD H.000303.6: Danziger Bridge Repair, Orleans Parish, LA (4400010587-Task Orders 11 and 13) *Technician* for Monitoring and terrestrial LiDAR scanning of Danziger bridge. This survey was necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge.

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. 03.26; PLS 4670 / LA / 03.26 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 + ROW mapping services; Meets MPR 4, 5	

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.

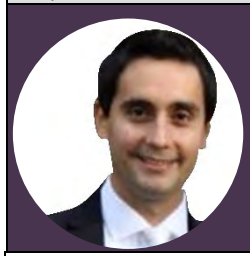
Firm employed by	GOTECH, Inc				
Name	Robert Price, P.L.S.		Years of relevant experience with this employer	5	
Title	Director of Operations		Years of relevant experience with other employer(s)	20	
Degree(s) / Years / Specialization			Master of Science / 2009 / Engineering & Technology Management Bachelor 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 / 3.26; 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		

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.

16. Staff Experience:

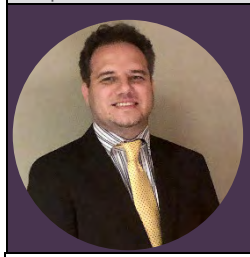
Firm employed by	ARCADIS		
Name	Jose M. Rodriguez, RSP	Years of relevant experience with this employer	8
Title	Safety Analyst	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MS / 2014 / Civil Engineering, LSU BS / 2006 / Civil Engineering, Julio Garavito Colombian Engineering School	
Active registration number / state / expiration date		RSP # 12 / USA / Exp. 05/2025 Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2019	Discipline	Road Safety Professional
Contract role(s) / brief description of responsibilities.		Traffic and Safety Engineering	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Rodriguez specializes in transportation safety and has experience on a wide range of projects including Stage 0 feasibility studies, Road Safety Assessments, pedestrian and bicycle improvements, and systemic safety evaluation projects. Mr. Rodriguez has extensive experience in crash analysis and the application of Highway Safety Manual Methods including Crash Modification Factors and Safety Performance Functions for local and nonlocal conditions. Mr. Rodriguez develops dynamic web dashboards using Power BI to visualize and organize data analysis results. Mr. Rodriguez has performed safety effectiveness evaluations to develop state-specific SPFs for LADOTD, and is currently assisting LADOTD with the 2022 Strategic Highway Safety Plan Update. Mr. Rodriguez has completed Traffic Engineering Process and Report Training.
04/14 - 03/16	Highway Safety Manual (HSM) Safety Performance Functions (SPFs) and Louisiana Specific SPFs, LADOTD, Statewide, LA *Safety Analyst*. Responsible to calibrate the HSM SPFs based on the HSM recommendations and Statewide crash data and develop the Louisiana Specific SPFs using statistical analyses and procedures recommended by the HSM.
04/21 - Ongoing	Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA *Safety Analyst*. Responsible to conduct all crash data analysis tasks for the SHSP update, including a statistical analysis of existing emphasis areas and evaluating potential modifications to emphasis areas.
03/17 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA *Safety Analyst*. Historical crash analysis and safety analyses performed for 20 high priority intersections utilizing the Highway Safety Manual (HSM) 2010 guidelines and Crash Modification Factors (CMFs) from other sources. Analyses include developing build alternatives that address safety and operational issues at each intersection for all road users and developing Stage 0 Checklists and Documentation.
03/17 – 08/17	US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA *Safety Analyst*. Responsible for historical crash analysis to identify trends and safety issues. Assisted with the development of build alternatives to address safety issues and performed HSM predictive safety analysis to estimate the potential reduction in crashes for each alternative. Assisted with the completion of Stage 0 Checklists and Documentation.

05/18 – 06/21	Baton Rouge Pedestrian Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA *Safety Analyst.* Supported the development and delivery of a Pedestrian and Bicycle Safety Action Plan for the City of Baton Rouge. Responsibilities include completing a review of crash data, identification of priority locations, and creation of targeted safety countermeasures based on roadway type. He was responsible for reviewing the crash data in both (Geographic Information Systems) GIS and PowerBI to determine areas to focus on 10 locations with the most need for pedestrian/bicycle safety improvement. The second phase of the project included conducting Road Safety Audits (RSA's) at the 10 priority locations to identify safety issues and develop feasible alternatives to improve pedestrian and bicycle safety.
03/17 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA *Safety Analyst.* Reviewed and summarized the current best practices and safety research information on hard shoulder running experience in the U.S and Europe. Research included shoulder / median width and impacts to safety, desirable lengths for effective hard shoulder running, and CMFs to predict impacts to safety by reducing lane and / or shoulder widths. Produced a high-level technical memorandum that will identify and evaluate feasible alternatives of utilizing existing I-12 shoulders, researching the best practices, analyzing the safety and operational benefits, and determining the likely costs. Evaluated safety based on crash analysis, the HSM predictive methods and the ISATe tool for Freeways. Estimated costs and benefits of operational and safety analysis for proposed alternatives.
03/17 – 02/18	I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA *Safety Analyst.* Responsible for the collection and evaluation of historical crash data, screening and selection of available safety improvement strategies that typically include alternative intersection configuration, roundabouts, corridor geometry and lane configuration, and driver awareness improvements. Safety analysis using HSM Predictive Method and IHSDM.
03/17 – Ongoing	Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA *Traffic and Safety Analyst.* Responsible for methodology development and overview of traffic analyses for a high-priority project. Work involves completing an EA and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout. partial cloverleafs, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue. Performed HSM predictive safety analysis to determine the safety benefits of proposed improvements.
2019 – Ongoing	District 8 Systemic Safety Project, Pedestrians, Ohio Department of Transportation and Development, Columbus, Ohio *Safety Analysts.* Responsible for the review of data, including crash, roadway inventory, and demographics. The project required the development of a PowerBI dashboard and use of GIS analytics to review the crash data to determine metrics that were over-represented to locate areas where crashes are occurring, and areas where crashes may not be occurring, but have similar environmental characteristics (i.e., speed limit, lane width, driver or pedestrian age, presence of zero vehicle households, etc.), as where crashes are happening. This will allow the project team to not only develop engineering treatments, but also target areas for enhanced education and enforcement.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	Kester Hollier, PE, PTOE	Years of relevant experience with this employer	3
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date		PE.034304 / LA / Exp. 03/2025; PTOE #3928 / USA / Exp. 11/2024	
Year registered	2009	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Traffic Engineering	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including feasibility studies, traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier has completed LADOTD Traffic Engineering Process and Report Training.
03/22 – 03/23	City of Mandeville Pedestrian and Bicycle Plan, New Orleans Regional Planning Commission (NORPC), Mandeville, LA *Senior Traffic Engineer.* The study covered an area of approximately 34 square miles, encompassing the Tammany Trace and historic Old Mandeville, where pedestrian and bicycle traffic was significant. With a focus on increasing accessibility and safety, the study identified gaps in the existing active transportation network and proposed solutions based on industry guidelines and best practices. The project involved data collection, public engagement, strategy development, and policy recommendations to support the implementation of a comprehensive plan that addressed the needs of the community.
05/14 – 08/20	Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA *Traffic/Civil Engineer.* Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.
09/12 – 02/16	Stage 0 Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA *Traffic Engineer.* Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that will be proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of the roadway portion and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.

11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA *Project Manager.* Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
06/13– 04/14	US 190 Stage 0 Feasibility Study, LADOTD, St. Tammany, LA *Traffic Engineer.* Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
11/17 – 07/20	LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA *Project Manager / Traffic Engineer.* Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the Louisiana Department of Transportation and Development's Traffic Engineering Process and Report Guidelines. The project also included a stand alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
12/17 – 11/19	Causeway Boulevard Widening Traffic Study, Jefferson Parish, LA *Project Manager / Traffic Engineer.* Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
10/18 – 01/19	LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA *Traffic Engineer.* Responsible for the development of three future alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
01/10 – 04/11, 07/13 – 01/14	Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA *Traffic Engineer.* Responsible for the design of new traffic signals at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also, responsible for the design and layout of the fiber optic interconnect along the proposed extension.
05/09 – 07/13	LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA *Traffic/Civil Engineer.* Responsible for the road design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed traffic analysis for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.

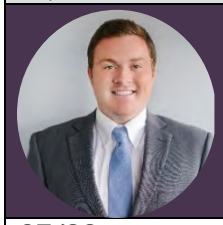
Firm employed by	The Beta Group		
Name	Alex Jaramillo , P.E.	Years of relevant experience with this employer	12
Title	Geotechnical Engineer	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		PE. 0036324 / LA / Exp. 09.25	
Year registered	2011	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Geotechnical Engineer in charge of reviewing Geotechnical report	

Experience dates	Experience and qualifications relevant to the proposed contract
	Prior to joining The Beta Group, he gained experience with several civil and geotechnical engineering firms in positions such as: geotechnical field and laboratory testing technician and project engineer. As a geotechnical engineer, Mr. Jaramillo has managed projects varying from residential to heavy industrial. Currently, Mr. Jaramillo is responsible for all geotechnical activities including subsoil explorations, completion of soils laboratory testing, geotechnical analyses for projects and completion of the geotechnical report. Mr. Jaramillo is also fluent in Spanish.
06/24-09/24	**Proposed Gretna-Burnmaster Transfer Facility, Gretna, LA** Responsible for monitoring testing results, producing geotechnical reports. The purpose of the Geotechnical Investigation was to explore subsurface conditions and provide geotechnical design recommendations for a new transfer facility. This facility will include asphaltic pavement and sheet piles to create a raised platform with numerous ramps. Various soil borings were taken up to depths of 80ft and lab tests were conducted. The analysis of the soil samples allowed The Beta Group to make design recommendations.
07/24-08/24	**Proposed Roadway Borings (Tammany Terrace Subdivision)** Responsible for monitoring testing results, producing geotechnical reports. The purpose of the Geotechnical Investigation was to explore subsurface conditions and provide recommendations for the geotechnical design of four roadways. A total of five undisturbed soil borings were drilled and laboratory tests were conducted. Design considerations for the roadway and construction recommendations were made to the contractor.
04/24-08/24	**Proposed Lincoln Beach Development Project** The purpose of the Geotechnical Investigation was to explore subsurface conditions and provide geotechnical design recommendations for a new bulkhead, pedestrian bridge, lift station, and parking lot. For the subsurface exploration, eight (8) undisturbed soil borings were performed utilizing a truck mounted drill rig up to depths of 100 ft. The following laboratory tests were performed on the soil samples: Atterberg limits, moisture content, unconfined compression tests, sieve wash, and gradation tests. As a result of the Geotechnical Investigation, The Beta Group provided engineering design recommendations for the bulkhead, foundation for pedestrian bridge, parking lot, and foundation for the lift station.

Firm employed by	The Beta Group engineering and construction services		
Name	Edward Lazier	Years of relevant experience with this employer	11
Title	Senior Driller	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		NA	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities.		Senior Driller/Drill Crew Leader	

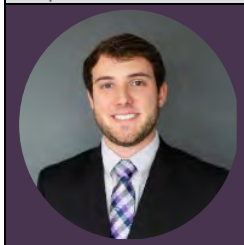
Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Laizer is responsible for moving, set up and operating the drill rigs and related equipment for The Beta Group. Mr. Laizer conducts and oversees the site investigation/geotechnical drilling to determine the soil characteristics on construction sites. Mr. Laizer and his drill team retrieve soil and rock samples from drilling to be analyzed in the laboratory. Mr. Laizer also maintains a Water Well Contractors License.
06/19-Ongoing	**Michoud Entergy Power Plant, New Orleans, LA** This project consisted of sampling of two pre-determined locations located within the Michoud Entergy Power Plant in New Orleans, LA. The 2 pre-determined locations were sampled at the 2 ft. depth and 5 ft depth for both locations for a total of 4 samples. The samples were reconstituted at the as received moisture content and at 95% of the dry density. The tests were conducted in accordance with the IEEE standard 442-2017/ASTM D5334. The results were tabulated and the thermal dryout curves were presented to the client. The thermal characteristics depicted in the dryout curves applied for the samples at their respective test dry density. Edward both lead the drilling team and ensured that all proper procedures were followed.
05/24-Ongoing	**Proposed Lincoln Beach Development Project, New Orleans, LA** The project consisted of taking a total of 8 undisturbed soil borings: two at 100 ft, two at 60 ft, three at 10 ft, and one at 6 ft. When undisturbed methods could not be used, the Standard Penetration Test was performed. Subsurface water level readings were obtained, and the bore holes were backfilled with auger cuttings or a concrete/ bentonite mixture. Edward both lead the drilling team and ensured that all proper procedures were followed.
01/24-Ongoing	**Proposed Slidell Breakwater Restoration (Phase 1), Slidell, LA** The proposed project consists of constructing a Breakwater System approximately 8,300 linear feet extending from the Hwy 11 Bridge to the I-10 Twin Span Bridge. The Beta Group performed the subsurface exploration by taking six (6) undisturbed soil borings up to depths of 50 ft. below the mudline utilizing a pontoon boat mounted drill rig. When cohesionless material was encountered, the Standard Penetration Test was performed.
04/23 – 05/23	**Proposed Morial Convention Center, New Orleans, LA (MCCNO)** To perform the Geotechnical Investigation, six (6) undisturbed soil boring were taken using a truck mounted drill rig up to depths of 120 ft. When cohesionless material was encountered, the Standard Penetration Test was performed. The boreholes were then backfilled with auger cuttings and high strength concrete as per LADOTD requirements.

Firm employed by	digital engineering		
Name	Taylor Marino, P.E., PTOE, RSP$_1$	Years of relevant experience with this employer	9
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. 09.28; PTOE #5026 / LA / Exp. 04.27; 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 design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications	

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 LADOTD'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. 03/25 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 design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications.		

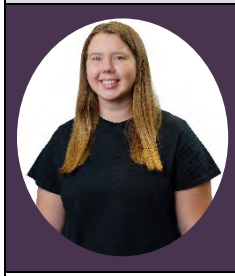
Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Flynn serves as a Project Engineer in DE's Kenner office for both transportation and storm water projects that help to maintain or improve infrastructure in South Louisiana. Prior to joining DE, Michael served as an 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.
09/19 – 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.
09/17 – 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.

Firm employed by	digital engineering			
Name	Rachel Douglass, P.E.		Years of relevant experience with this employer	1
Title	Project Engineer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 2010 / Civil Engineering	
Active registration number / state / expiration date			PE.0047805 / LA / Exp. 09.25; Traffic Engineering Analysis Process and Report Module 1,2,3	
Year registered	2015	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Project Engineer responsible development of design, project plan development, quantity takeoffs, cost estimating, technical (TS) specifications	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Douglass has 5 years of experience performing transportation planning and design, traffic impact analyses, and traffic signal design. Prior to joining DE, Rachel's experience was in LA and TX in design of all roadway elements (including non-vehicular), drainage, and utilities with a focus on Traffic Control Plans and Signing and Pavement Marking layouts.
11/23 – Ongoing	LA 1077 Corridor Traffic Analysis, St. Tammany, LA *Project Engineer* responsible for conducting a detailed Geometric Field Review. This task required a thorough examination of LA 1077s existing road layout and features to assess and identify necessary modifications for enhanced traffic flow and safety. She also spearheaded the Crash History Analysis, where she meticulously reviewed and synthesized accident reports to understand prevailing safety issues and trends. This crucial analysis was instrumental in developing informed, data-driven strategies for future traffic management and safety improvements.
11/23 – Ongoing	LA 39: W. Judge Perez Drive Vehicular Pedestrian, New Orleans Regional Planning Commission, St. Bernard, LA *Project Engineer* responsible for calculating quantities for sidewalks and utilities and review of cross sections and assisting in horizontal and vertical geometry design along with ADA pedestrian accessibility.
09/23 – 10/23	Ama Crosswalk Study, Ama, LA *Project Engineer* responsible for performing an evaluation to ascertain the need for a pedestrian crossing facility. This study was prompted by the increased movement of ADM employees across River Rd, necessitating a safe crossing point. Rachel's detailed analysis of traffic counts and pedestrian movement patterns lead to her determination that a crosswalk was essential to ensure safety. She authored a comprehensive technical memorandum, outlining the specific requirements for pavement markings and signage necessary for the proposed crosswalk.
10/20 – 09/21	Shepherd Drive and Durham Drive Houston, TX *Project Engineer* responsible for transforming two 4-lane one-way roads into 3-lane avenues, complete with dedicated bike paths and pedestrian walkways. This significant urban redevelopment project spanned over a mile in each direction and included comprehensive paving and drainage enhancements. Rachel was responsible for the design of the vertical alignment for both roadways, ensuring optimal traffic flow and safety. She also developed the grading plans for ten strategic intersections, integrating them seamlessly into the existing urban landscape.

Firm employed by	digital engineering		
Name	Karena Grigenas, EI	Years of relevant experience with this employer	1
Title	Engineer Intern	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2010 / Civil Engineering	
Active registration number / state / expiration date		EI.0035563 / LA	
Year registered	2015	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Engineer Intern	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Grigenas is an Engineering Intern providing support to our municipal clients with water distribution systems, wastewater collection networks and stormwater management improvements. Her experience includes hydraulic modeling, review of plans and specifications as well as technical support for design of improvements.
09/24 - Ongoing	LADOTD H.013094.6: Broad Street-Read Boulevard Pedestrian Improvements, New Orleans, LA *Engineer Intern* responsible for responsible for collecting in field patching and curb replacement quantities.
10/23 - Ongoing	LADOTD H.015487.5: Pedestrian Safety Improvements, Phase II, New Orleans, LA *Project Engineer* responsible for calculating quantities for sidewalks and utilities and review of cross sections and assisting in horizontal and vertical geometry design along with ADA pedestrian accessibility.
09/23 - Ongoing	LADOTD H.015210.5: Judge Tanner Blvd. Sidewalks, St. Tammany Parish, LA *Engineer Intern* responsible for developing a feasibility study for the design of new sidewalks, driveways, and other pedestrian improvements along Judge Tanner Blvd. in Mandeville, LA. The improvements will consist of constructing sidewalks over the existing roadside ditches along the road. The ditches will be filled, and subsurface drainage will be added. Hundreds of trees will need to be removed along the edge of the right of way along a section of unimproved land.
09/23 – Ongoing	LADOTD H.015198.5: S. Carrollton Avenue Pedestrian & Bike Improvements, New Orleans, LA *Engineer Intern* responsible for the development of a feasibility report for the LADOTD Safe Route to Public Places Program project in New Orleans, Louisiana. The report analyzes the feasibility of constructing ADA compliant sidewalks, curb ramps, and bike lanes along S. Carrollton Avenue, as well as the inclusion of pedestrian crosswalk striping, accessible pedestrian pushbuttons, and LED pedestrian signal heads.

16. Staff Experience:

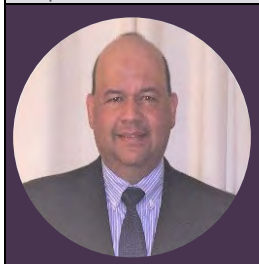
Firm employed by	ARCADIS		
Name	Gabriel Arias, PE	Years of relevant experience with this employer	1
Title	Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering, Auburn University	
Active registration number / state / expiration date		PE. 0042599 / LA / Exp. 09/30/2025	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Design Engineering	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Arias has more than eight years' experience performing complex geometric design on roadway including horizontal and vertical (H&V) alignment, hydraulic design cross drain pipes (CDP's) and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production.
06/16 – 02/17	LA 435 to LA 40/LA 41, LADOTD, St. Tammany Parish, LA *Project Engineer.* The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with roadway geometric design including H&V alignment, hydraulic design for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.
07/13 – 06/16	Bayou Mercier Road/Berard Canal Bayou, LADOTD, St. Martin Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.
07/13 – 02/17	Derrick Road Bridge, LADOTD, Iberville Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
07/13 – 02/17	Jude & Placide Road Bridges, LADOTD, Vermilion Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridges timber structures with slab span, concrete structures.

06/18 – 10/19	Mid-Barataria Diversion Design, Plaquemines Parish, LA *Project Engineer.* Planning, engineering and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with detour roadway alignment creation/selection, TTC planning, and plan preparation.
07/13 – 10/16	City of Thibodaux Overlay Projects, LADOTD, Lafourche Parish, LA *Project Engineer.* Project required chip sealing, joint & crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. The goal was to prolong the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with roadway geometric design including horizontal alignments, selection of treatment type for pavements, hydraulic design for storm drains, CDP's and open ditches and roadway plan production.
09/13 – 02/17	Pecan Island Road Bridge Over The Chenal, LADOTD, Pointe Coupee Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a customized slab span, concrete structure.
07/13 – 02/17	Gracie Lane Bridge, LADOTD, Iberville Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
04/14 – 02/17	Lajaunie Rd/Lateral 1 Bayou St. LADOTD, Clair, Lafayette Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
11/15 – 02/17	Babin Rd./Bayou Narcisse, LADOTD, Ascension Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
09/13 – 02/17	West 15th Avenue/Mile Branch, City of Covington, St. Tammany Parish, LA *Project Engineer.* Performed topographic field surveying and assisted with bridge design, hydraulic analysis, and roadway design for the replacement of the existing bridge timber structure with a customized slab span, concrete structure. Included an integral pedestrian/bicycle path and custom barrier to separate pedestrians and vehicles.
02/18 – 04/18	US 377 Cresson Relief Route, TXDOT, TX *Project Engineer.* TXDOT will construct a three-mile relief route west of the city of Cresson. The relief route will be a new four-lane divided highway on US 377 beginning one mile south of the intersection of US 377 and SH 171 and ending one mile north of the same intersection. Assisted with plan creation including H&V alignment review, TTC plans, construction quantity estimation and roadway plan production for the realigned roadway.

16. Staff Experience:

Firm employed by	ARCADIS		
Name	Jose L. Rodriguez, PE	Years of relevant experience with this employer	1
Title	Senior Roadway Design Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date		PE.0030492 / LA / Exp. 03/31/2025	
Year registered	2003	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Roadway Design Engineering	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Rodriguez has more than 25 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in Louisiana, Texas, Georgia, and North Carolina. Jose has worked in close relationship with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers (USACE), Louisiana Department of Transportation (LADOTD), local parish governments, and regional planning commissions. He has extensive experience with Bentley Inroads, Autodesk Civil 3d, and Leap Bridge for Concrete Bridge Design. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010 and remains active in the organization.
07/09 – 07/15	**Peters Road Expansion, Phases I-III, LADOTD, Plaquemines, LA** *Project Designer.* Responsible for the geometric design, plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. During the environmental phase of the project, Jose actively contributed to the preparation of plans and exhibits required for securing permits from the U.S. Coast Guard and the USACE. These projects were executed in close collaboration with Plaquemines Parish, the LADOTD, and the USACE.
01/08 – 05/08	**I-12 to Bush Corridor Study Phase III (EIS), LADOTD, St. Tammany Parish, LA** *Project Designer.* Responsible for evaluating environmental issues and developing design alternatives in accordance with the National Environmental Policy Act (NEPA) for transportation improvements. Jose, working in coordination with the environmental team, helped produce plans and exhibits for the development of GIS data sets for the project.
03/19 – 05/20	**Eastern Federal Lands Highway Division (EFLHD), Puerto Rico** *Assessment Roadway Lead*. Responsible for reviewing, preparing reports, and coordinating repairs at over 70 roadway sites damaged by Hurricane Maria. Provided technical assistance to local engineering firms to ensure the project adhered to the client's guidelines and strict schedules. Jose ensured that all fieldwork and plan development were aligned with Puerto Rico's horizontal and vertical datums for integration with GIS systems.
04/21 - Ongoing	**Lee Drive (Highland Road to Perkins) Final Design Study Report, MOVEBR Baton Rouge, LA** *Project Designer.* Responsible for coordinating and developing concept drawings to evaluate the geometric feasibility of different roadway alternatives, proposed improvements, and anticipated right-of-way needs. Provided technical guidance to help identify

	green infrastructure opportunities along the project. Also assisted in the implementation of Complete Street regulations for the corridor. During the alternative's selection process, conducts cost estimates to evaluate and select the preferred alternative.
01/06 – 09/09	New Orleans Submerged Roadway Program Management, LADOTD / New Orleans Regional Planning Commission, New Orleans, LA *Project Designer and Quality Control Reviewer.* Responsible for the program management team for the LADOTD and the FHWA. Jose helped develop design guidelines and processes for the standardization of engineering work for the repair of roadways damaged by Hurricane Katrina in the City of New Orleans and other parishes. Responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with LADOTD and FHWA design standards.
02/10 – 06/11	I-10 from Veterans to Clearview, LADOTD, Metairie, LA *Project Designer.* Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the interstate widening. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
05/12 – 12/15	Earhart Boulevard-Causeway Interchange, LADOTD, New Orleans, LA *Project Designer.* Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow of traffic for the New Orleans Metro Area. It consisted of the development of roadway and bridge ramps for the creation of an elevated signal-controlled interchange. Responsible for development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project.
06/04 – 01/11	Causeway Boulevard Interchange Improvements Phases I and II, LADOTD, Metairie, LA *Project Designer.* This project consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at-grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily traveled interchange. Responsible for evaluating existing girders, the design of new precast concrete girders and the roadway plan preparation for this project. Also, responsible for evaluating and design of new sewer and water lines for the project as well as coordinating the removal and replacement of all utilities affected by the new roadways and/or structure foundations.
01/20 – 05/20	NC Highway 73 (NC 73) Widening, North Carolina DOT, Mecklenburg County, North Carolina *Project Engineer.* Responsible for the Temporary Traffic Control Plan preparation for the widening of NC 73. A principal arterial roadway, NC 73 was widened from a two-lane undivided roadway into a four-lane divided highway with a 30-foot wide median. The project presented many challenges due to the high traffic volumes, time restrictions for lane closures, and all NASCAR events at Charlotte Motor Speedway for the duration of the project. To mitigate traffic disruption and enhance roadway safety, assisted in preparing the Transportation Operation Plans and sequence of construction for the project. All design work was performed following NCDOT and the latest MUTCD standards.

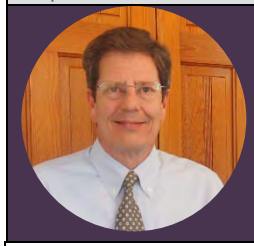
16. Staff Experience:

Firm employed by	TriCoeur Services LLC		
Name	Barry P. Gahagan, PE, PLS	Years of relevant experience with this employer	14
Title	Projects Principal	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		BS / 1980 / Civil Engineering, MS / 1990 / Civil (Structural) Engineering	
Active registration number / state / expiration date		PE. 0021586 / LA / Exp. 03.26	
Year registered	1985 Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.		Responsible for Design; Meets MPR No. 8	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Gahagan offers a relevant, diverse, and extensive background in bridge, structural, and roadway project designs, serving the LADOTD, local municipalities, and State entities well suited to this project. Relevant experience includes recent and long-term design of structural supports of light masts along walkways, pathways, and assembly areas.
04/23-Ongoing	LSU Ag – Burden Museum & Gardens Meander Access Path: Project Scope includes Program Management, Design Study, topographic surveys, stakeholder engagements, preparation of civil and structural design, construction cost estimates, presentation of findings to LSU Ag and Facility Director for programming and design of the initial 2,100 linear ft nature trail and bridges of a future 2.2-mile trail system.
03/22-08/24	U.S. Department of Energy, Strategic Petroleum Reserve Site – West Hackberry, LA: USDOE Project WH-OM-2128: Outdoor Lighting Hurricane Laura Repair & Replacement. Design and CE&I Change Order Design (06/22 - 08/24). Provided damage assessment and repair design / replacement alternative foundation designs in compliance with *ASCE7 and AASHTO LTS, Standard Specifications for Structural Supports for Highway Signs, Luminaires*, and Traffic Signals.
06/12-01/14	EBRC-P Project No.12-BR-US-0018: East Brookstown over Hurricane Creek Bridge Project maintained uninterrupted pedestrian passage, modified bridge railing standard for bicycle safety. The project included side-drain safety inlets and subsurface outfall drainage between approach roadway and existing walkway/utility crossing to avoid R/W takings along a narrow corridor (confined by 24" Sewer Force Main).
06/05 – 02/07	LADOTD /EBR OSB SP No.713-17-0044: Woodlake Drive Bridge over Jones Creek and approaches with bridge walkways cantilevered beyond curb faces. Sidewalk path continuity was provided between existing walks at project limits.
2010 – 04/2012	Jefferson Parish/USCOE SELA Program Project DPW-97-046B-DR(SELA): WB West Metairie over Soniat Canal. Design included barrier rail protected pedestrian walks and walk continuity between intersections of David Drive and Lester Ave. *Design and details were prepared for superstructure mounted light masts.*

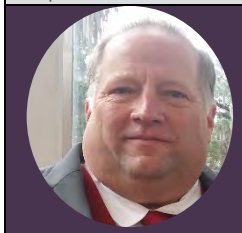
16. Staff Experience:

Firm employed by	Marrero, Couvillon & Associates, LLC.		
Name	M. Kimball Schlafly, P.E.	Years of relevant experience with this employer	5
Title	Sr. Electrical Engineer	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		BS / 1988/ Electrical Engineering	
Active registration number / state / expiration date		PE LA License No. 27699 / Exp. 09/30/2026	
Year registered	1998	Discipline	Electrical Engineering
Contract role(s) / brief description of responsibilities.		Electrical Engineer Meets MPR No. 7	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Schlafly has over 35 years of engineering experience in electrical engineering, project engineering and project management. He has been responsible for various projects requiring design of lighting, low and medium voltage power distribution, standby and emergency power systems, telecommunications, fire alarm, access control, video surveillance, and theatrical audio/visual and lighting systems.
07/17 –11/20	I-10 and 73 Widening – Design Build. LA DOTD. **Sr. Electrical Engineer.** Provided electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
04/18 – 02/19	Howard Avenue Extension (Loyola Avenue to LaSalle Street) New Orleans, LA. City of New Orleans. **Sr. Electrical Engineer**. Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.
01/20-06/20	Bluebonnet Blvd. (Picardy to Highland) Roadway Lighting, Baton Rouge. City/Parish of East Baton Rouge. **Sr. Electrical Engineer.** The scope of work includes additional lane capacity in each direction. Bluebonnet Blvd is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the corridor. The project is to add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. MCA is responsible for all activities necessary to complete a lighting plan and a photometric analysis report that contains illumination analysis of all roadways and/or interchanges within the project limits and conform to illumination criteria specified in the design guidelines are included in this scope.
09/23-On-going	I-20 Widening, Wells to LA34 Electrical and Lighting Design , Baton Rouge. LA DOTD. **Sr. Electrical Engineer**. The scope of work is to provide additional traffic capacity in each direction. This was accomplished primarily by increasing the entrance/exit ramps. MCA provided design services to analyze the existing conditions of the roadway lighting, which consisted of high pressure sodium fixtures on low mast poles, and provide modifications to the existing lighting systems as necessary to accommodate the changes in roadway geometry. This includes upgrading the existing fixtures to LED, re-position select poles, and upgrading the secondary controllers to current standards.

16. Staff Experience:

Firm employed by	Marrero, Couvillon & Associates, LLC.		
Name	Christian Schade, P.E.	Years of relevant experience with this employer	6
Title	Sr. Electrical Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		BS / 1993/ Electrical Engineering	
Active registration number / state / expiration date		PE LA License No. 32483 / Exp. 09/30/2026	
Year registered	2006	Discipline	Electrical Engineering
Contract role(s) / brief description of responsibilities.		Electrical Engineer	

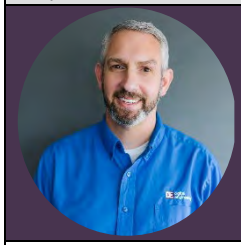
Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Schade's areas of expertise include electrical engineering, power distribution, power generation, lighting, specification writing and contract administration. His experience includes Power system analysis, consisting of load flow, fault, arc flash and coordination studies using SKM Power Tools for Windows and ETAP. Proficient with incident energy level method of Arc Flash calculations per NFPA 70E, 2015 version. Electrical design support for small to medium size projects in industrial facilities, including installation of new pumps, agitators, metering equipment, lighting, and power distribution centers
07/17 – 11/20	I-10 and 73 Widening – Design Build. LA DOTD. **Sr. Electrical Engineer.** Provided electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
04/18 – 02/20	France Road – North, Roadway and Drainage Improvements, New Orleans, LA. Port of New Orleans. **Sr. Electrical Engineer.** MCA provided the electrical and mechanical engineering services for the roadway, lighting, and drainage improvements.
11/16 – 6/17	Louis Armstrong New Orleans Airport International Airport Pavement Remediation at Eastern Side of Runway 11-29, Kenner, Louisiana. City of New Orleans. **Sr. Electrical Engineer.** Electrical design services for Pavement Remediation of sag in existing runway pavement on the eastern side of Runway 11-29 near Taxiway Alpha at the airport.
04/18 – 02/19	Howard Avenue Extension (Loyola Avenue to LaSalle Street) New Orleans, LA. City of New Orleans. **Sr. Electrical Engineer.** Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.

01/20-06/20	Bluebonnet Blvd. (Picardy to Highland) Roadway Lighting, Baton Rouge. City/Parish of East Baton Rouge. Sr. Electrical Engineer. The scope of work includes additional lane capacity in each direction. Bluebonnet Blvd is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the corridor. The project is to add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. MCA is responsible for all activities necessary to complete a lighting plan and a photometric analysis report that contains illumination analysis of all roadways and/or interchanges within the project limits and conform to illumination criteria specified in the design guidelines are included in this scope.
09/23-On-going	I-20 Widening, Wells to LA34 Electrical and Lighting Design , Baton Rouge. LA DOTD. Sr. Electrical Engineer. The scope of work is to provide additional traffic capacity in each direction. This was accomplished primarily by increasing the entrance/exit ramps. MCA provided design services to analyze the existing conditions of the roadway lighting, which consisted of high pressure sodium fixtures on low mast poles, and provide modifications to the existing lighting systems as necessary to accommodate the changes in roadway geometry. This includes upgrading the existing fixtures to LED, re-position select poles, and upgrading the secondary controllers to current standards.

Firm employed by	digital engineering		
Name	Gerald Babin, P.E.	Years of relevant experience with this employer	3
Title	Senior Project Manager	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		PE.0028785 / LA / Exp. 09/2026	
Year registered	1981	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Project Engineer Responsible for Construction Support.	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Babin is an experienced civil engineer specializing in infrastructure planning and design. His thirty plus years in the engineering field has taken him through a variety of roadway, drainage, sewer, airport and site design tasks and responsibilities including project management, geometric calculations; earthwork, drainage, and quantity calculations. He has performed detailed drainage designs for roads, airports and site layouts which included hydraulic analyses, for culvert, ditch sizing and outfall designs. Gerald has also performed Flood Hazard Evaluations or drainage basin analyses in accordance with LADOTD guidelines for road design. These road and bridge basin assessments were done using 5, 25, 50, and 100 year storm events using LADOTD hydraulic modeling guidelines. He has been involved in the hydrologic analysis of local watersheds as part of major airport drainage designs and regional community drainage assessments.
11/21 – Ongoing	Soniat Greenway (W. Napoleon to Veterans Blvd) H.014937, Jefferson Parish, LA *Project Manager* for design of 12-ft wide Shared-Use Path, including lighting, ADA compliant pedestrian access and a pre-fabricated bridge over Soniat Canal.
10/19 – 09/21	LADOTD: McHost Road (LA 64 to Port Hudson – Pride Rd.), Baton Rouge, LA *Project Manager* for design of 2.14 miles of rural two lane roadway improvements. The project consisted of widening the lane widths from 9 to 11-ft and providing an 8-ft shoulder in order to improve the safety of the corridor.
07/21 – 09/21	LADOTD: Sullivan Road (Wax to Hooper), Baton Rouge, LA *Project Manager* for design of major roadway and related drainage improvements along two main road corridors including design and preparation of plans and specifications. The project includes road improvements for Sullivan from West of Wax Road to Hooper Road on over 4,406 feet of road widening (2-lane to 4-lane with raised median), and drainage improvements. This project also includes a multilane roundabout at the intersection of Sullivan Road and Hopper Road.
03/13 – 12/16	Highway 190 West Pedestrian Improvements, Hammond, LA. Senior Design Engineer responsible for the design of 1,600 linear feet of new sidewalks and the replacement of two existing pedestrian wood bridges with two new pre-fabricated bridges. Project designed in accordance with ADA standards.
10/06 – 11/07	Burbank Drive (LA 42), Segment I (West Lee Drive to Bluebonnet Blvd.). Project Engineer for 3.5 miles of road widening on Burbank Drive from 2 to 4 lanes including geometric design, sub-surface drainage design, sequence of construction and quantity calculations.

Firm employed by	digital engineering		
Name	Mickey Cochran	Years of relevant experience with this employer	8
Title	Sr. CAD Technician	Years of relevant experience with other employer(s)	13
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 16 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.

H.009282.5 St. John the Baptist Parish Sidewalks
LaPlace, LA

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	Bikeway Facility Implementation Project		Firm responsibility (prime or sub?)	Prime	
Project number	H.013945	Owner's name	St. Bernard Parish		
Project location	St. Bernard Parish		Owner's Project Manager	Donald Bourgeois	
Owner's address, phone, email	8201 W. Judge Perez Drive, Chalmette, LA 70043, 504.271.7966, drbourgeois@sbpg.net				
Services commenced by this firm (mm/yy)	08/19		Total consultant contract cost ($1,000's)	$147	
Services completed by this firm (mm/yy)	10/22		Cost of consultant services provided by this firm ($1,000's)	$147	

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

SIDEWALKS | MARKED SHARED LANES | BIKE LANES | SEPARATED BIKE LANES

Digital Engineering (DE) was contracted by St. Bernard Parish to provide design, bidding, construction engineering and inspection services to upgrade select state and local streets throughout St. Bernard Parish for bicycle use by implementing *marked shared use lanes*, neighborhood greenways, *separated bike lanes*, and *shoulder bike lanes*. This project was funded as an Urban Systems project, and all work was in *accordance with LADOTD requirements and guidelines*.

The scope of this project i*nstalls 32 miles of signed on-street bikeways (striping, signage, and wayfinding signage as required) and 24 miles of shoulder bikeways along State highways.* Wayfinding signage included destination locations as well as projected travel times. This project was coordinated with multiple projects to be in concurrence with St. Bernard Parish's Bicycle Master Plan.

The project also included the implementation of *sidewalks* and driveways along De La Ronde Drive from West Judge Perez Drive to Patricia Street and along Patricia Street from De La Ronde Drive to Jupiter Drive to *create pedestrian connectivity* in the area.

For traffic calming purposes, along a wide Patricia Street roadway, a 450 foot-long median was installed to channelize the vehicular traffic and delineate a *bike lane* for cyclists.

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

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	Gretna Downtown Pedestrian Improvements		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.)

SIDEWALKS | PEDESTRIAN CROSSING IMPROVEMENTS | DRAINAGE IMPROVEMENTS | TRAFFIC ENGINEERING

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* were 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 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.

Coordination with the City is 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.

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	Local Road Safety Program: Pedestrian Crosswalk Enhancements Phases I + II		Firm responsibility (prime or sub?)		Prime
Project number	H.006567	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	New Orleans, LA		Owner's Project Manager		Mark Morvant, P.E.
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 90804; 225.379.1205, mark.morvant@la.gov				
Services commenced by this firm (mm/yy)	03/12		Total consultant contract cost ($1,000's)		$820
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$820

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

SIDEWALKS | PEDESTRIAN CROSSING IMPROVEMENTS | PAVEMENT REHABILITATION

As the retainer engineer for the Local Road Safety Program, DE provided *the design of 44 intersections* within the Central Business District of downtown New Orleans for the *enhancement of pedestrian safety* through the installation of LED countdown *pedestrian signal heads* with associated wiring, installation of *roadway striping for crosswalks, repair of concrete curb,* and installation of ADA compliant handicap *sidewalks and ramps*. *Asphalt Pavement Patching* throughout the intersections was also completed to ensure crossings' slopes were ADA compliant. As-builts gathered, topographic survey, and subsurface utility explorations (SUE) performed were utilized for the design. The engineering plans were *developed in accordance with LADOTD standards and requirements.*

DE is currently in design for the third phase of this project within the City of New Orleans' Warehouse District which will perform similar scope as Phase I and II and will also include the use of audible push buttons at each intersection.

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

Firm name	digital engineering		Past Performance Evaluation Discipline(s)*	Other (Safety Program – SRTPP)	
Project name	New Orleans DPW SRTS Sidewalk Project		Firm responsibility (prime or sub?)	Prime	
Project number	H.009308	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)	10/17		Total consultant contract cost ($1,000's)	$191	
Services completed by this firm (mm/yy)	09/21		Cost of consultant services provided by this firm ($1,000's)	$191	

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

SIDEWALKS | SHARED USE PATH | PEDESTRIAN CROSSING IMPROVEMENTS | MARKED SHARED LANES | BIKE LANES | SEPARATED BIKE LANES | HYBRID BEACONS

The goal of this project is to *implement safety improvements* along corridors and intersections to increase the number of students who walk and bike to five (5) schools throughout Orleans Parish: Einstein Charter Elementary, Einstein Charter Middle, Success Preparatory Academy, Audubon Charter School, and E.P. Harney Spirit of Excellence Academy Charter School.

The scope for all five sites included removal and replacement of over 5,000 square yards of concrete sidewalks, 82 (each) handicapped curb ramps, and over 5100 linear feet of high visibility crosswalk striping and stop bars at intersections. Outside of the typical scope, the project included a number of safety features at the sites:

- In line with the City of New Orleans' Bicycle Master Plan, a 10' wide *multi-use path* spanning over 3,600 linear feet was placed in the median along Michoud Boulevard adjacent to the Einstein Elementary and Middle School Sites
- Audubon Charter and E.P. Harney received *Flashing Beacons* to increase awareness of pedestrians in their school zones
- Success Preparatory and E.P. Harney received *pedestrian signal heads (w/ APS)* retrofitted onto existing signals at key intersections adjacent to the school sites, with Success Preparatory' s area also implemented a *Pedestrian Hybrid Beacon Assembly (HAWK)* near the Lafitte Greenway, a highly traveled and key *pedestrian/bicycle* corridor
- Lastly, the scope in the Success Preparatory area required a road diet on Bienville Street from N. Carrolton Street to Jefferson Davis Parkway to implement a buffered *bicycle lane* and striped parking area. The corridor received *bicycle lane pavement markings, legends, and flex posts* to increase safety for bicycle users along this corridor

All installation of *pedestrian crosswalks and countdown signals* required approval from the District Traffic Operations Engineer *in accordance with LADOTD policies and procedures*. All work will be *in accordance with LADOTD standards and requirements* and the latest edition of the MUTCD. Key components to the project were communication and collaboration as LADOTD (HQ & District), the LPA, five schools, and the CNO Bicycle Committee were all involved in this project. During construction, DE provided engineering support.

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

Firm name	digital engineering	Past Performance Evaluation Discipline(s)*	Other (Road Design)
Project name	Street Rehabilitation Program (Submerged Roads)	Firm responsibility (prime or sub?)	Prime
Project number	H.009834	Owner's name	St. Bernard Parish
Project location	St. Bernard Parish	Owner's Project Manager	Donald Bourgeois
Owner's address, phone, email	8201 W. Judge Perez Drive, Chalmette, LA 70043, 504.271.7966, drbourgeois@sbpg.net		
Services commenced by this firm (mm/yy)	08/12	Total consultant contract cost ($1,000's)	$699
Services completed by this firm (mm/yy)	04/17	Cost of consultant services provided by this firm ($1,000's)	$699

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

BASE REHABILITIATION | CONCRETE PANEL PATCHING | ASPHALT PAVEMENT PATCHING | ASPHALT STREET WIDENING | ASPHALT MILL AND OVERLAYS | ASSOCIATED MINOR DRAINAGE ADJUSTMENTS

Digital Engineering (DE) was selected by St. Bernard Parish to prepare *LADOTD design plans* and provide resident inspection services for Hurricane Katrina-related damages to fourteen (14) FHWA designated roadway segments. Scope of work for the 8.6 miles of roadway included in-Place *Base Rehabilitation, Concrete Panel Patching, Asphalt Pavement Patching, Asphalt Mill and Overlays and associated minor drainage adjustments*.

DE also recommended *bicycle lane* corridors in St. Bernard Parish and *designed the bicycle lanes* with dedicated *bike lane markings and shared lane markings* (sharrows) for the project. These *bicycle lane* corridors were in concurrence with St. Bernard Parish's *Master Bicycle Plan* performed by the New Orleans Regional Planning Commission's Master Plan. The project advanced through LADOTD's Urban System Program and a Complete Streets Policy was utilized concurrently during design.

Scope of services included *pavement damage analysis, preliminary and final design phase*, preliminary and final statements of probable cost, bid phase, and resident inspection services. Scope also involved CDBG application and cost estimates prior to design, during construction, and for construction closeout. DE also assisted with the environmental assessment and scoping cost estimates. All work was *performed to LADOTD Standards.*

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

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*		Planning, Traffic, Road
Project name	New Orleans Pedestrian Stage 0 Safety Feasibility Study		Firm responsibility (prime or sub?)		Prime
Project number	H.012312.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Orleans Parish, LA		Owner's Project Manager		Adriane McRae
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1950, adriane.mcrae@la.gov				
Services commenced by this firm (mm/yy)	04/16		Total consultant contract cost ($1,000's)		$320
Services completed by this firm (mm/yy)	09/18		Cost of consultant services provided by this firm ($1,000's)		$307

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

Firm's Role: LADOTD in partnership with the New Orleans Regional Planning Commission (NORPC) tasked Arcadis with completing a pedestrian safety feasibility study of 20 intersections located in Orleans Parish. NORPC identified the candidate intersections through a detailed Pedestrian Safety Action Plan (PSAP) investigation.

Stage 0 Safety Study and Documentation: The Arcadis team conducted the studies in accordance with DOTD's Stage 0: Manual of Standard Practice, and DOTD's Traffic Signal Manual. Stage 0 documentation, including Preliminary Scope and Budget and Environmental Checklists, were completed for all 20 intersections.

Needs Assessment: Arcadis evaluated 3 years of crash data to identify crash trends, overrepresented crashes, High PSI Locations, etc. Site visits were performed to document the user experience from a ped/bike perspective, assess the condition of existing infrastructure, and identify safety concerns.

Alternative Development & Preliminary Design Plans: Improvements focused on pedestrian and bicycle safety and included signal improvements, striping & signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliant curb ramps, and parking modifications. Improvements were segmented into short-term and long-term alternatives based on the cost and time needed to implement. Complete streets and context sensitive solutions were an important aspect of alternative development due to the historic nature of the area. Preliminary design plans, cost estimates, and benefit-costs were developed for each intersection to determine the feasibility of implementing the proposed alternatives and to inform project prioritization.

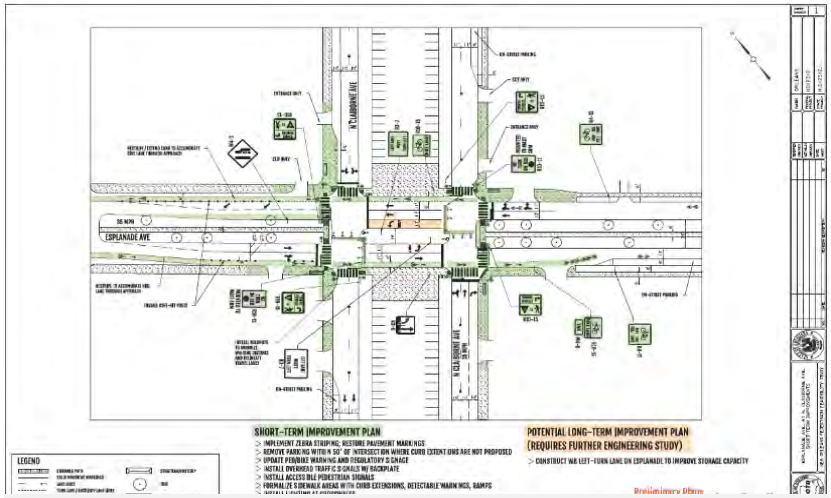


Figure: Design of short-term (green) and long-term (orange) implementable solutions for high-priority project intersection

Stakeholder Engagement: A critical component of the project was the need to engage a wide range of project stakeholders from the NORPC, City of New Orleans, LADOTD, and District 02. Arcadis conducted routine workshop sessions to review proposed improvements and ensure that all team members were in agreement.

Figure: High visibility crosswalk and pedestrian refuge installed at I-10 Service Road and Read Boulevard

Key Personnel: Ari Deitch, Akhil Chauhan, Jose M. Rodriguez

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	Planning, Traffic	
Project name	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments		Firm responsibility (prime or sub?)	Prime	
Project number	H.013029.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Jessica DeVille	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1844, jessica.deville@la.gov				
Services commenced by this firm (mm/yy)	03/18		Total consultant contract cost ($1,000's)	$438	
Services completed by this firm (mm/yy)	06/21		Cost of consultant services provided by this firm ($1,000's)	$550	

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

Firm's Role: The City of Baton Rouge has been identified as a focus city for pedestrian and bicycle safety improvements. Arcadis is responsible for a two-phase project, which included 1) developing strategic safety action plan to provide a basis for data-driven implementation of safety measures and 2) identifying prioritized list of locations and/or corridors, conducting Road Safety Assessments (RSAs) to identify safety issues and countermeasures, and providing a high-level feasibility evaluation.

Phase 1 – Pedestrian and Bicycle Safety Action Plan: Crash data, roadway geometry, and crash reports were collected, cleaned, and reviewed to perform network screening and identify pedestrian and bicycle safety deficiencies. An interactive, dynamic dashboard summarizing the information was created, and access to the dashboard was granted to the project team. A data-driven, three-tier screening process was used to identify safety priority areas and target locations where safety countermeasures and strategies will have the most effect. The PBSAP proposed a list of engineering and non-engineering countermeasures to address potential safety concerns.

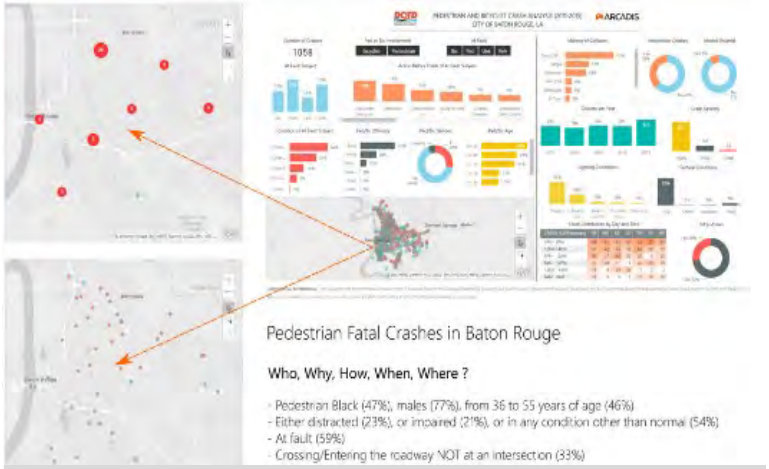


Figure: Dashboard of identified safety priority areas

Phase 2 – Road Safety Assessments: Conducted for the 10 priority locations with project stakeholders which included LADOTD HQ and District staff, City of Baton Rouge, CATS, BRPD, LSU, and FHWA. RSAs were conducted in accordance with the latest state and federal policy guidance and focused on identifying safety issues related to pedestrian and bicycle modes and identified feasible countermeasures to mitigate safety issues. Countermeasures were grouped into short-term, mid-term, and long-term alternatives based on the cost and time needed to implement. Arcadis conducted construction cost estimates and predictive safety analyses as part of the overall feasibility assessment for selected countermeasures.

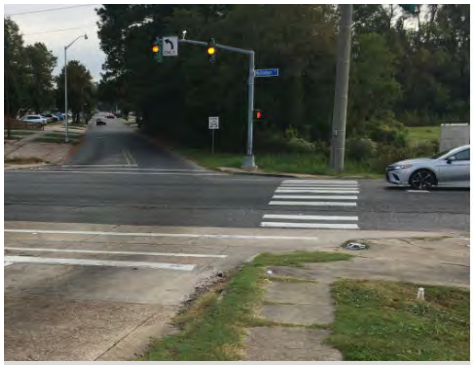


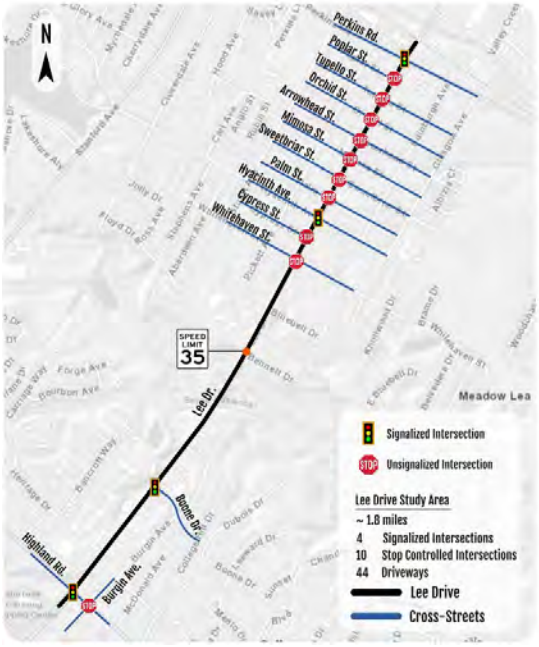
Figure: Photo taken during RSA showing condition of sidewalk and curb ramps

Stakeholder Involvement: The Arcadis team developed a detailed stakeholder matrix, which identified stakeholders based on various levels of involvement: a technical advisory committee, stakeholders, and focused outreach.

Key Personnel: Akhil Chauhan, Ari Deitch, Jose M. Rodriguez, Max Aguirre

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Env
Project name	Lee Drive (Highland Road-Perkins Road)	Firm responsibility (prime or sub?)	Prime
Project number	City-Parish Project No. 20-CP-HC-0044	Owner's name	City of Baton Rouge/ Parish of East Baton Rouge
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Justin Schexnayder
Owner's address, phone, email	8555 United Plaza Blvd., Baton Rouge, LA 70809, (225) 761-3628, justin.schexnayder@csrsinc.com		
Services commenced by this firm (mm/yy)	02/21	Total consultant contract cost ($1,000's)	$2,568
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,536

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



Firm's Role: The purpose of this project is to widen Lee Drive from a 2-lane to a 3-lane section between Highland Road and Perkins Road. Arcadis is responsible for design study and design services, which include traffic study and report, topographic survey, hydraulic and drainage analysis, preliminary and final plans preparation, signal design, bridge design, construction cost estimate, and right-of-way maps.

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

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

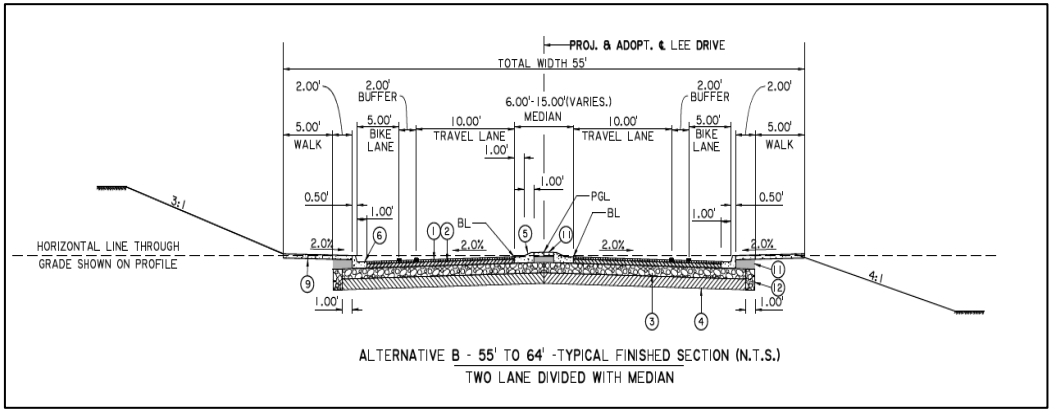


Figure: Proposed Typical Section Alternative on Lee Drive

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

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Town Center Parkway Sidepath (Slidell)		Firm responsibility (prime or sub?)		Sub
Project number	H.015204	Owner's name	LADOTD		
Project location	District 62, St. Tammany Parish		Owner's Project Manager	Adriane McRae	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225) 379-1950, adriane.mcrae@la.gov				
Services commenced by this firm (mm/yy)	06/24		Total consultant contract cost ($1,000's)		$Unknown
Services completed by this firm (mm/yy)	09/24		Cost of consultant services provided by this firm ($1,000's)		$91

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

TOWN CENTER PARKWAY SIDEPATH SURVEY

The Town Center Parkway Sidepath Survey project, located in District 62, St. Tammany Parish, Slidell, LA, was performed for Digital Engineering and Imaging. This project highlights Forte and Tablada's expertise in conducting topographic surveys in line with the LA DOTD Location and Survey Manual. The survey spanned 1.3 miles along Town Center Parkway, with the goal of designing a sidepath that connects existing pathways within a rapidly developing area.

Forte and Tablada played a crucial role, not only in performing the topographic survey but also in coordinating with utility companies to identify the locations of subsurface utilities. This effort ensured that the infrastructure planning could proceed with accurate, up-to-date information on underground utilities. In addition, they provided the existing right-of-way locations, determined through detailed title research and field investigations.

This project exemplifies Forte and Tablada's ability to handle complex surveys and work in tandem with the prime engineer, supporting urban infrastructure projects in growing communities. The success of the project reflects their commitment to accuracy, thoroughness, and collaboration with both the client and external partners.

Key Personnel: Brad Holleman, P.L.S., P.E., Surveyor-in-Charge; Trent Iglehart, Project Lead; Jeremy Cormier, P.L.S. Data Processing; Gavin Lake, Party Chief; Logan Matherne, L.S.I

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey	
Project name	LA 94: Vermilion River Bridge Replacement		Firm responsibility (prime or sub?)		Prime
Project number	H.014560	Owner's name	LADOTD		
Project location	District 03, Lafayette & St. Martin Parishes		Owner's Project Manager	Mark Williams, PLS	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225) 379-1828, jonathan.williams3@la.gov				
Services commenced by this firm (mm/yy)	03/22		Total consultant contract cost ($1,000's)		$20
Services completed by this firm (mm/yy)	10/22		Cost of consultant services provided by this firm ($1,000's)		$20

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

LA 94 BRIDGE REPLACEMENT

The LA 94 Bridge Replacement project, located in District 03 across Lafayette and St. Martin Parishes, was conducted under a LADOTD Right-of-Way Mapping IDIQ contract. Forte and Tablada was responsible for several key tasks, including title take-offs, a property survey, 60% base right-of-way maps, and final right-of-way maps. All mapping efforts adhered to the LADOTD Location and Survey Manual Addendum A.

A notable achievement in this project was the correct application of riparian land rights for the state-owned water bottom of the Vermilion River. This ensured that the right-of-way mapping complied with state guidelines governing waterway boundaries and ownership.

Forte and Tablada's involvement was instrumental in addressing the complexities associated with riparian rights while providing accurate mapping, ensuring the LA 94 bridge replacement proceeded efficiently and in full compliance with all necessary regulations.

Key Personnel: Brad Holleman, P.L.S., P.E., Surveyor-in-Charge; Rachel Waldroup, PLS, Project Lead; Tommy Lake, Party Chief; John Tullier, Party Chief

Firm name	FORTE & TABLADA		Past Performance Evaluation Discipline(s)*	Survey, ROW	
Project name	Rural Bridge Replacement Initiative		Firm responsibility (prime or sub?)		Sub
Project number	Seven (7) S.P. Numbers	Owner's name	LADOTD		
Project location	Districts 04, 05, 08 and 58, Louisiana		Owner's Project Manager	Valerie Tourres	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, (225) 379-1292, valerie.tourres@la.gov				
Services commenced by this firm (mm/yy)	08/20		Total consultant contract cost ($1,000's)		$6,600
Services completed by this firm (mm/yy)	04/23		Cost of consultant services provided by this firm ($1,000's)		$945

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

HEADER (RELEVANCE)

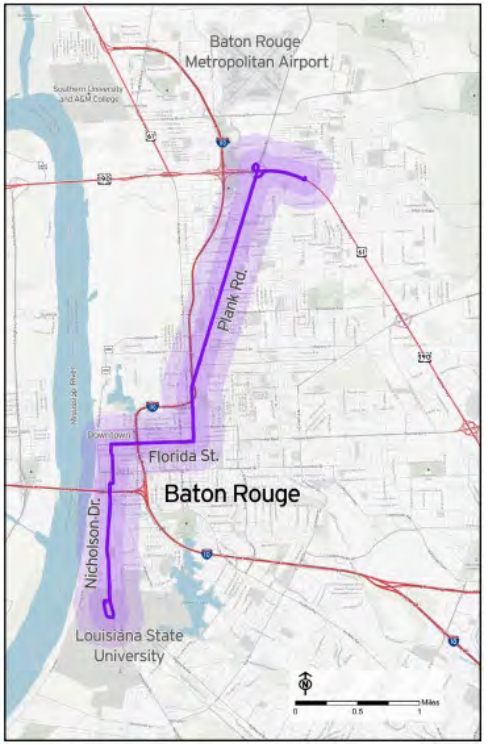
Forte and Tablada, Inc. was a subconsultant to T. Baker Smith to provide the topographic survey and right- of-way mapping for 22 bridges for State Project Numbers H.013954, H.013979, H.013985, H.013990, H.013992, H.013994, and H.013995. Forte and Tablada provided right-of-way mapping services that included title take- offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right-of-way mapping. The right-of-way maps were performed in accordance with state regulations and LADOTD requirements.

Key Personnel: Joey Coco, Jr., P.E., Principal-in-Charge; Brad Holleman, P.L.S., P.E., Surveyor-in-Charge; Ross Wilson, P.L.S., Project Surveyor; Rachel Waldroup, P.L.S. Project Surveyor; Jeremy Cormier, P.L.S. Survey Technician; Tommy Lake, Party Chief; Noah Kimble, Party Chief

Firm name	GOTECH, Inc.		Past Performance Evaluation Discipline(s)*	Survey	
Project name	MOVEBR's Nicholson – Plank Bus Rapid Transit Corridor Project		Firm responsibility (prime or sub?)	Sub	
Project number	16 CI-US-0032	Owner's name	City of Baton Rouge & Parish of East Baton Rouge		
Project location	Baton Rouge, LA		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	1100 Laurel Street, Baton Rouge, LA 70802, (225) 389-3186, tstephens@brgov.com				
Services commenced by this firm (mm/yy)	03/21		Total consultant contract cost ($1,000's)	NA	
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)	$725	

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

As part of MOVEBR's Enhancement Program, GOTECH was selected to perform surveying and mapping services for the Nicholson-Plank Bus Rapid Transit Corridor Project. The project footprint extends from Nicholson Drive (LA 30) at Skip Bertman Drive to Plank Road (LA 67) at Airline Highway (US 61 / US190). The scope of work includes a topographic survey, cross section survey, right-of-way survey, utility survey, and mapping services. This 8.2-mile-long corridor survey includes different design elements such as subsurface utilities, subsurface drainage, median cross sections, urban and suburban contexts, pedestrian and transit facilities, and a significant amount of data overall.

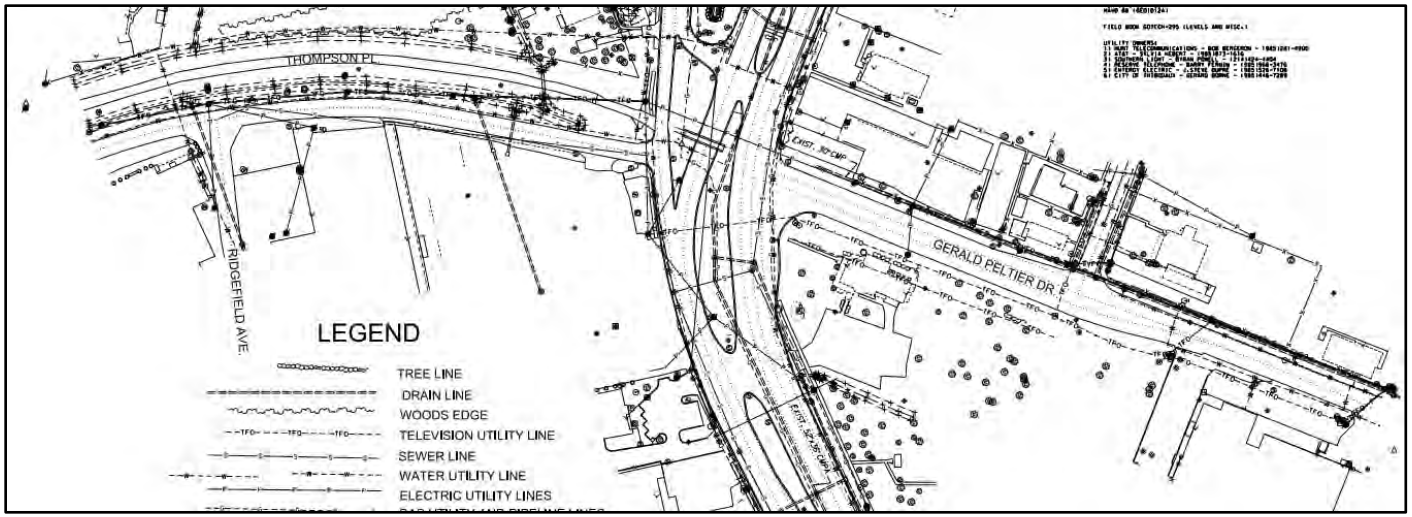


Key Personnel: Bruce Dyson, P.E., P.L.S.; Robert Price, P.L.S.

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: Bruce Dyson, P.E., P.L.S.; Robert Price, P.L.S.

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	4400015487	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. GOTECH was a subconsultant to Digital Engineering.

Key Personnel: Bruce Dyson, P.E., P.L.S.; Robert Price, P.L.S.

Firm name	**Marrero, Couvillon& Associates, LLC**		Past Performance Evaluation Discipline(s)*	ROAD	
Project name	I-10 and Pecue Lane - Lighting		Firm responsibility (prime or sub?)	Sub	
Project number	09-CS-US-0041	Owner's name	East Baton Rouge Parish/City of Baton Rouge/LADOTD		
Project location	Baton Rouge, LA		Owner's Project Manager	Gary McClure (Shread-Kuyrkendall)	
Owner's address, phone, email	13016 Justice Ave, Baton Rouge, LA 70816; 225-296-1335; gmcclure@skaengr.com				
Services commenced by this firm (mm/yy)	07/17		Total consultant contract cost ($1,000's)	$36,000	
Services completed by this firm (mm/yy)	02/21		Cost of consultant services provided by this firm ($1,000's)	$131	

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

Roadway Lighting (RELEVANCE)

The civil work consisted of adding new access points to I-10, and new overpasses expanded to three lanes. Lighting design included areas along Pecue Lane, as well as the new overpasses and entrance and exit ramps, utilizing LED fixtures mounted on both high mast and low mast poles. Lighting design also required the establishment of new electrical services and secondary controllers for all of the new lighting. Chris Schade provided the construction administration. Kimball Schlafly provided the project management.

Key Personnel: Kimball Schlafly, P.E.; Christian Schade, P.E.

Firm name	**Marrero, Couvillon& Associates, LLC**		Past Performance Evaluation Discipline(s)*	ROAD	
Project name	DOTD I-10 Widening, LA73 to LA30		Firm responsibility (prime or sub?)		Sub
Project number	DOT22009.801	Owner's name	LADOTD		
Project location	Baton Rouge, LA		Owner's Project Manager	John Raymond (Shread-Kuyrkendall)	
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA, 225-296-1335 – jraymond@skaengr.com				
Services commenced by this firm (mm/yy)	09/22		Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)	01/24		Cost of consultant services provided by this firm ($1,000's)		$186

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

Roadway Lighting (RELEVANCE)

MCA scope of services is to modify the existing high mast lighting at LA73 interchange, as needed to accommodate the widening of I-10. This required a photometric analysis to be performed on the existing conditions, and again on the proposed relocation for the high mast poles to accommodate the added travel lanes and new bridge construction over LA73. The high mast poles shall be re-used, with new LED light fixtures and lowering devices provided. Design was completed by Chris Schade. Kimball Schlafly is providing the project management. Project is currently awaiting bid by LA DOTD.

Key Personnel: Kimball Schlafly, P.E.; Christian Schade, P.E.

Firm name	**Marrero, Couvillon & Associates, LLC**		Past Performance Evaluation Discipline(s)*	ROAD	
Project name	Bluebonnet Blvd. Roadway Lighting		Firm responsibility (prime or sub?)		Sub
Project number	19-CP-HC-0034	Owner's name	East Baton Rouge Parish/City of Baton Rouge		
Project location	Baton Rouge, LA		Owner's Project Manager	Kate Brady Prejean, P.E.	
Owner's address, phone, email	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810; 225.368.2818; kbprejean@hntb.com				
Services commenced by this firm (mm/yy)	07/20		Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)	12/20		Cost of consultant services provided by this firm ($1,000's)		$59

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

Roadway Lighting (RELEVANCE)

The scope of work includes additional lane capacity in each direction. Bluebonnet Boulevard is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the entire corridor. The project will add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. Lighting and electrical design is ongoing, and provides new low-mast lighting utilizing LED fixtures on aluminum poles with breakaway bases, and will cover the entire stretch of roadway from Perkins Road to Picardy Ave. All photometric analysis was performed using Agi32 and approved by MoveBR. The lighting levels were determined from the traffic analysis and supported the increased pedestrian and bicycle traffic anticipated with the installation of new sidewalks and bike lanes. Kimball Schlafly and Chris Schade provided the electrical design, and Mr. Schlafly provided project management.

Key Personnel: M. Kimball Schlaffy, P.E.; Christian Schade, P.E.

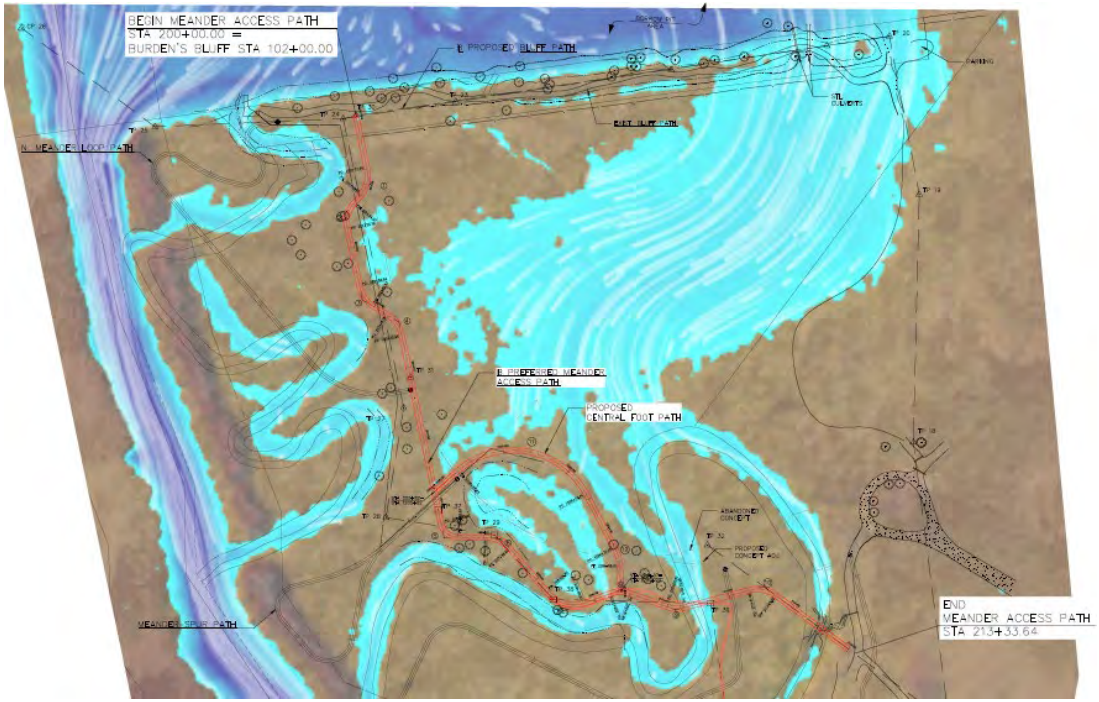
17. Firm Experience:

Firm name	TriCoeur Services LLC		Past Performance Evaluation Discipline(s)*	BRIDGE	
Project name	LSU Ag Burden		Firm responsibility (prime or sub?)		Prime
Project number		Owner's name	LSU Ag Center		
Project location	Baton Rouge, LA		Owner's Project Manager	Tia Willis, AIA,NCARB	
Owner's address, phone, email	Efferson Hall, Baton Rouge, LA 70803, 225.578.8731, LWillis@AgCenter.lsu.edu				
Services commenced by this firm (mm/yy)	06/23		Total consultant contract cost ($1,000's)		$64
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$64

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

Trails (Pedestrian w/ADA accommodation)

This trails project is an initial 2,200 lin ft Meander Access Pathway and part of a larger 2miles nature pathway system planned for the LSU Burden Gardens nature center in Baton Rouge, LA. TriCoeur is serving as Program Manager, providing initial design criteria, alignments, corridor topography and control for at grade and elevated meander paths and crossing structures.



Key Personnel: A. Foley, B. Gahagan, PE

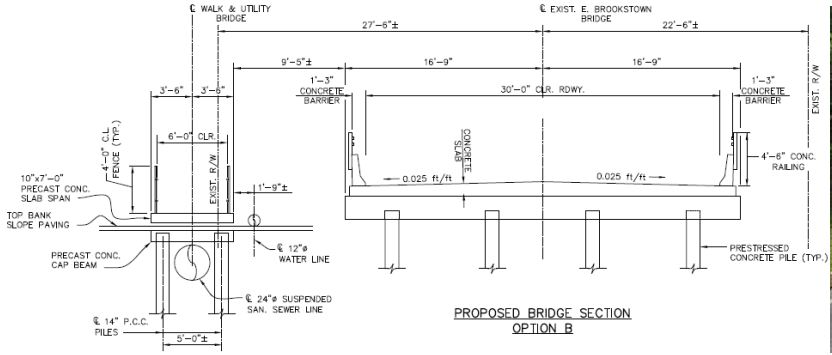
17. Firm Experience:

Firm name	TriCoeur Services LLC		Past Performance Evaluation Discipline(s)*	BRIDGE	
Project name	East Brookstown over Hurricane Creek Bridge		Firm responsibility (prime or sub?)		Sub
Project number	EBR CP 12-BR-US-018	Owner's name	East Baton Rouge City-Parish, Department of Public Works		
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, TStephens@brgov.com				
Services commenced by this firm (mm/yy)	06/12		Total consultant contract cost ($1,000's)		$99
Services completed by this firm (mℓ/yy)	01/14		Cost of consultant services provided by this firm ($1,000's)		$74

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

Bridge Replacement (Pedestrian & Bicycle accommodation)

This bridge replacement project required an uninterrupted pedestrian crossing, and bridge replacement within narrow confinements of the existing R/W shared by a 24" diameter Sewer Force Main, water line and overhead power. Modification standard barrier railing was conceived and implimented to accomodate safe bicycle travel.



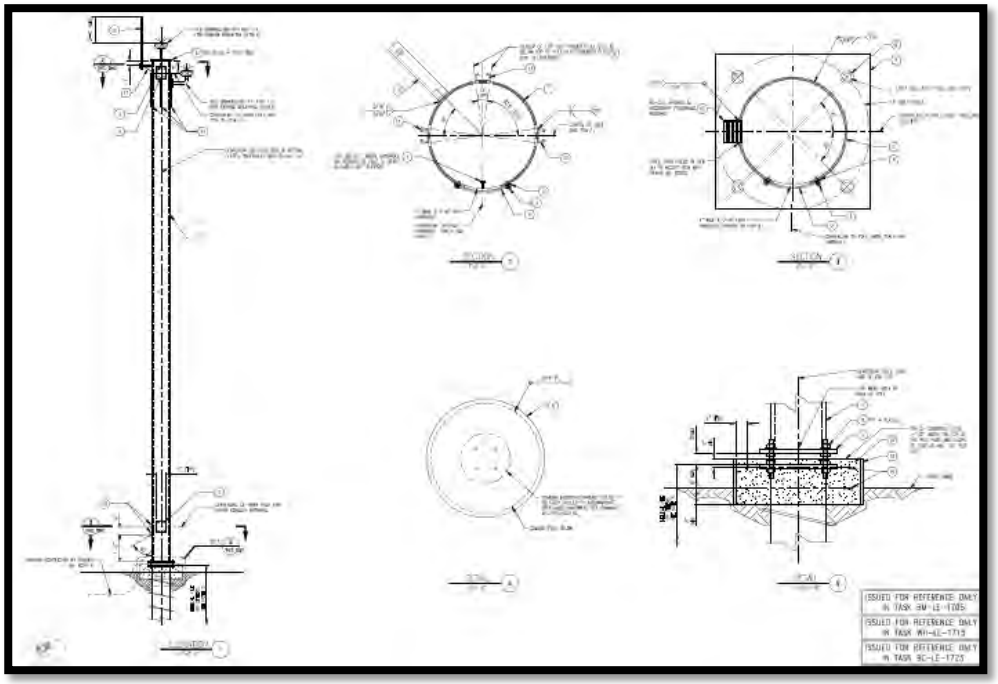
Key Personnel: B. Gahagan, PE

17. Firm Experience:

Firm name	TriCoeur Services LLC		Past Performance Evaluation Discipline(s)*	BRIDGE	
Project name	Hurricane Laura Outdoor Lighting Replacement		Firm responsibility (prime or sub?)	Sub	
Project number	USDOE WH-OM-2088	Owner's name	US Department of Energy		
Project location	West Hackberry, LA		Owner's Project Manager	Justin Rye	
Owner's address, phone, email	1114 Black Lake Road, Hackberry, LA 70645, 337.558.3241, Justin.Rye@SPR.DOE.gov				
Services commenced by this firm (mm/yy)	06/22		Total consultant contract cost ($1,000's)	$33	
Services completed by this firm (mm/yy)	01/24		Cost of consultant services provided by this firm ($1,000's)	$33	

Lighting Replacement (Operations accommodation)

This lighting replacement project required a condition assessment, preparation of repair and replacement designs, alternative design considerations for use of existing foundations following redesigns in conformance with AISC-7 and AASHTO LTS "Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals" design criteria.



Key Personnel: B. Gahagan, PE

St. Bernard Parish Street Rehab Program,
St. Bernard Parish, LA

18. Approach and Methodology:

WE UNDERSTAND YOUR CHALLENGES...

The Natchitoches Safe Streets Revitalization Project will require a team capable of delivering cradle-tograve services to LADOTD, from the Site Investigations and Survey Phase through Letting and Construction Support Phase services. The DE team will provide a highly experienced team including Project Managers, Engineers, Planners, and Surveyors with the relevant experience to not only solve your challenges, but ensure this Project receives Federal Authorization prior to September 2026.

Since 2009, Digital Engineering (DE) has been a LADOTD retainer engineer for the Design of Safety Projects. Through this contract, DE has worked on 68 LADOTD/LPA Projects through the Safe Routes to School (SRTS), Safe Routes to Public Places (SRTPPP), and Local Road Safety Programs (LRSP) - all highway safety (HSIP) programs focusing on pedestrian enhancement projects, sidewalk projects, signing and pavement marking projects and road safety improvement projects.

Through this valuable experience, we have worked on these projects, not only in open roadway areas, but also with retrofitting improvements within existing right of ways, both urban and rural. These projects include sidewalks, shared use paths, ADA accessible ramps, crosswalk striping, hybrid beacons, rectangular rapid flashing beacons (RRFBs), pedestrian signal heads with APS push buttons, shared use lane striping (sharrows), bike lanes, and separated bike lanes

The DE team's Project Manager, Stephanie Turner, P.E., PMP has over 14 years of professional experience for transportation related projects throughout the State of Louisiana, including a multitude of LADOTD safety projects. Our Principal in Charge, David LeBreton, P.E., PTOE, PTP, RSP, has been a Project Manager/ Engineer for the firm for 17 years work on LADOTD Projects specializing in safety design. Frank Liang, P.E., PTOE, our Technical Advisor, has over 30 years' experience in transportation engineering working on LADOTD Design and CE&I Projects. Alan Krouse, P.E., our QA/QC Manager, has over 47 years of experience with the majority working with LADOTD in planning, feasibility studies, roadway design, highway safety, and ADA improvements.

This experience is vital to the completion of this project as it will aid in fast tracking the project to get these important pedestrian and bicycle implementations on the streets. Stephanie will be the main point of contact with LADOTD, and will be responsible for finalize 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 consulting engineer, we are thoroughly familiar with the requirements of the scope of work identified in the RFQ and we are also aware of the City of Natchitoches Bicycle & Pedestrian Master Plan and RAISE Grant Efforts the City has placed forth to get to this point today.

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.

DE + LADOTD SIDEWALKS

Since 2009, we have successfully completed 39 Projects with over 75,000 linear feet of sidewalks within pedestrian improvements projects with LADOTD.

Project Management

Effective Project Management will be key to the successful completion of this time sensitive project. We will develop an initial project schedule to be approved by the LADOTD Project Manager, but as updated schedules are submitted monthly, we will be continuously looking within our schedule milestones and critical path for any tasks that can be modified to allow for concurrent work to move the project quicker.

A conceptual project construction cost estimate is due within thirty calendar days of the issuance of a notice to proceed. Our team has experience with these types of estimates, having completed these under our current IDIQ for Design of Safety Projects Contract. DE has completed 32 conceptual project estimates as part of our Project Feasibility Reports that are performed prior to going into design. These estimates are similar in effort to this project's requirements as they include estimates for: pedestrian enhancement projects, sidewalk projects, signing and pavement marking projects and road safety improvement projects. This experience is crucial to identify the potential risks to cost, but also crucial to delivering the most accurate estimate as possible at the start of the project and continue improving the estimate through all submittals and as requested by the LADOTD Project Manager.

Traffic Engineering

Traffic Data

Traffic Data collection is an important part for pavement design. The collection of volume and classification counts allows for accurate information to collaborate with LADOTD's Pavement Design Section on equivalent single axle loads (ESALS) and finalize a proper pavement typical section. The DE team has successfully performed this function and worked LADOTD in the past on a number of projects on this important part of the design.

Pedestrian Studies

Traffic engineering or pedestrian and data collection studies are components that are not often highly considered by most local entities as part of the scope of work required in order to complete a project. But for LADOTD, it is a task that is typically required on these projects and an important one as it will need to commence at the inception of the project and quickly to not delay the project. Coordination with the LADOTD District 08 will be crucial.

DE and our traffic sub, Arcadis, are 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:

- Implementing pedestrian signals
- Implementing High Intensity Activated Crosswalk Systems (HAWK)/flashing beacons at crossings
- Implementing Rectangular Rapid Flashing Beacon (RRFB) at crossings
- Adding crosswalk pavement markings at the request of the City to intersections where they are not present

In the event that the project requires additional 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. Arcadis 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 Arcadis have both performed and collaborated on various types of Traffic Engineering Studies together across the State. We are currently teamed as the IDIQ Safety Study Retainer Consultant on State Project No. H.015590.5 - LA 494: LA 6 to Blanchard Rd, which is a traffic study along Keyser Avenue in Natchitoches to analyze conditions along the corridor and identify possible operational, safety, and pedestrian improvement alternatives.

Design

Surveying Services

The most critical item for this project to meet the Project's Federal Authorization deadline of September 2026 is survey. The survey scope of work for this project consists of over 20 miles worth of survey. DE has learned through our past experiences on similar projects, what type of surveying services are required, and which types of projects will require a full survey, partial survey, and sometimes no survey at all. This is crucial to the big picture of this Project as it will allow us to strategize our project schedule accordingly and group sections of survey types together so we can begin design on portions of the projects and not wait on all survey to be complete.

Due to the amount of survey and the timelines associated with this project, our survey team consists of both GOTECH and Forte & Tablada to allow us to have the manpower to quickly run through the task and allow for the establishment of survey groups for each to perform. Both firms have the 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 deemed more effective, 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.

Right of Way/Title Take Off

If property survey, title research/ updates/take-offs or right of way maps are required for this project, our surveyors are very familiar with the LADOTD process. We are staffed to accommodate this, and our Survey Team's qualifications can be seen in Sections 16 and 17.

Geotechnical/Subsurface Investigation for Pavement Structure Design

As part of the design, our team will be required to obtain shallow soil borings at respective increments based on section, in order to investigate and propose pavement structural sections for: new construction/widened areas, reconstruction and overlay sections, and pipe crossings. The Beta Group (TBG) will provide LADOTD with reliable, impartial, and accurate testing, inspection, and research services to meet these needs. TBG has worked closely with LADOTD's Pavement Design Section on past projects and their Team's qualifications can be seen in Sections 16 and 17.

Preliminary and Final Plans

The DE team is familiar with the LADOTD requirements for plan submittals, estimating, and necessary project submittal documentation, especially having worked on 39 highway safety (SRTS/SRTPPP/LRSP) design projects with LADOTD over the past 15 years.

While the typical LADOTD Road Design submittals process can be followed in the Roadway Design and Procedures and Details Plan Preparation Manual and Hydraulics Manual, DE would coordinate with LADOTD to propose a submittal process similar to our LADOTD Highway Safety Contract which includes submittals at: 30% Preliminary Plans, 60% Preliminary Plans, 95% Preliminary Plans, 95% Final Plans, 98% Final Plans, and 100% Final Plans. The 30% Preliminary Plans submittal is essentially the survey, any required data, boring collections and title sheet. This submittal is used to determine if there are any right-of-way issues at the earliest point in the design process during a time in the schedule when we are doing our due diligence with site investigations. This also allows all the stakeholders to better discuss the scope of the project early on in the process. The 60% Preliminary Plans submittal shows a general layout of the project and is used for the Environmental Review. Since there is drainage included as part of this project from the Welch Street Drainage Study, the preliminary drainage design along with the calculations will be part of a 60% Preliminary Plan submittal, which is sent to the LADOTD Hydraulics section for review.

This condensed time frame proposed 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 Project to keep these design projects on the fast track to meet schedule. 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 proposed project schedule can be viewed on the final page of this section and will show our familiarity for the different types of scope anticipated in this Project.

On the design side, most of scope under this Project will require "retrofitting" elements into existing conditions and fit within. This is a task where our team thrives having retrofitted sidewalks over existing swales, road diets for new bike lanes, specially designing ADA accessible 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.

To date, we have created 41 "TS" technical specifications that were required to incorporate nonstandard 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;
- 2 for construction along heavily congested commercial corridors for Business/Residential Access and Pedestrian Detours;
- 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; and
- 14 for miscellaneous items such as wooden bollards, decorative signage posts, wheel stops, adjusting valves, utility boxes or cleanouts, PVC Drop Inlets, 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)

Lighting Design

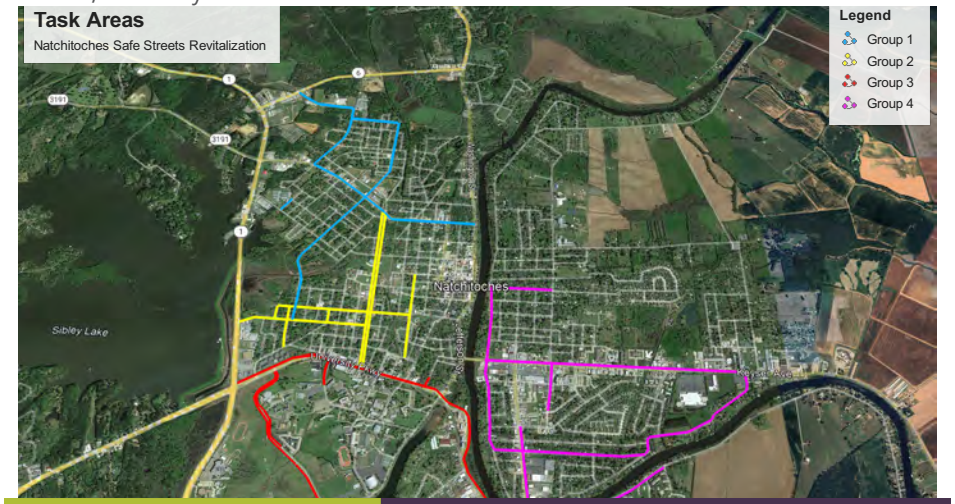
Highway Lighting is proposed within this scope for the streets of Texas St., Martin Luther King Jr Dr., and Amulet St., which essentially ties together two east-west corridors (Texas and Amulet) with a north-south corridor (Martin Luther King Jr) for connectivity. Lighting is typically the final important design element within the LADOTD set of plans, to ensure the alignments are finalized. Our lighting team, led by Marrero, Couvillion, & Associates, LLC, will become involved as early as required within the project schedule to not have any delays with the project. They have performed and coordinated past projects with the LADOTD Bridge Design, Electrical Section on roadway lighting design packages for interstate highways, bridges, city streets, and pedestrian walkways, for both practical and decorative applications. They have worked closely with LADOTD, providing photometric calculations to determine illumination levels to ensure that the design meets all lighting requirements. Their Team's qualifications can be seen in Sections 16 and 17.

Construction and Shop Drawings Support

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 City for LADOTD's concurrence to accept or reject bids.

Over the past 15 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 Project, the construction support from the designer is essential. Due to the variety of scope of work 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.

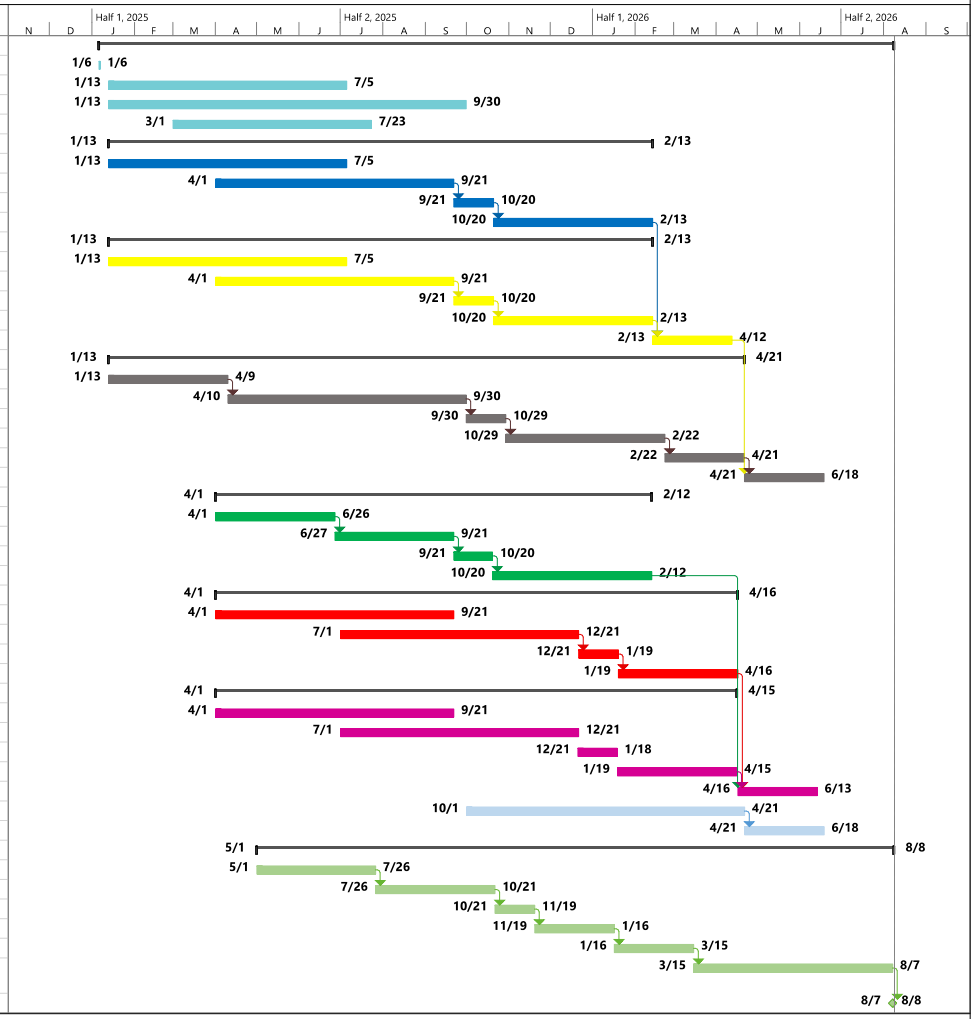
Awareness, responsiveness, and accessibility are attributes our team takes pride in. Essentially, during CE&I, the DE team will be able to assist as an extension of the City and LADOTD to coordinate any issues with the contractor, LADOTD District, and City as needed.



The Sequencing of Tasks will be an integral part of project delivery. We have identified Groups 1 through 4 over the city (shown here) correlating to the streets within the anticipated project scope. Breaking out tasks into four groups will allow our team to divide and conquer through area concentration for survey, design and scheduled reviews. The proposed project schedule (on the following page) is also correlated with the grouping for a staggered submittal and review process.

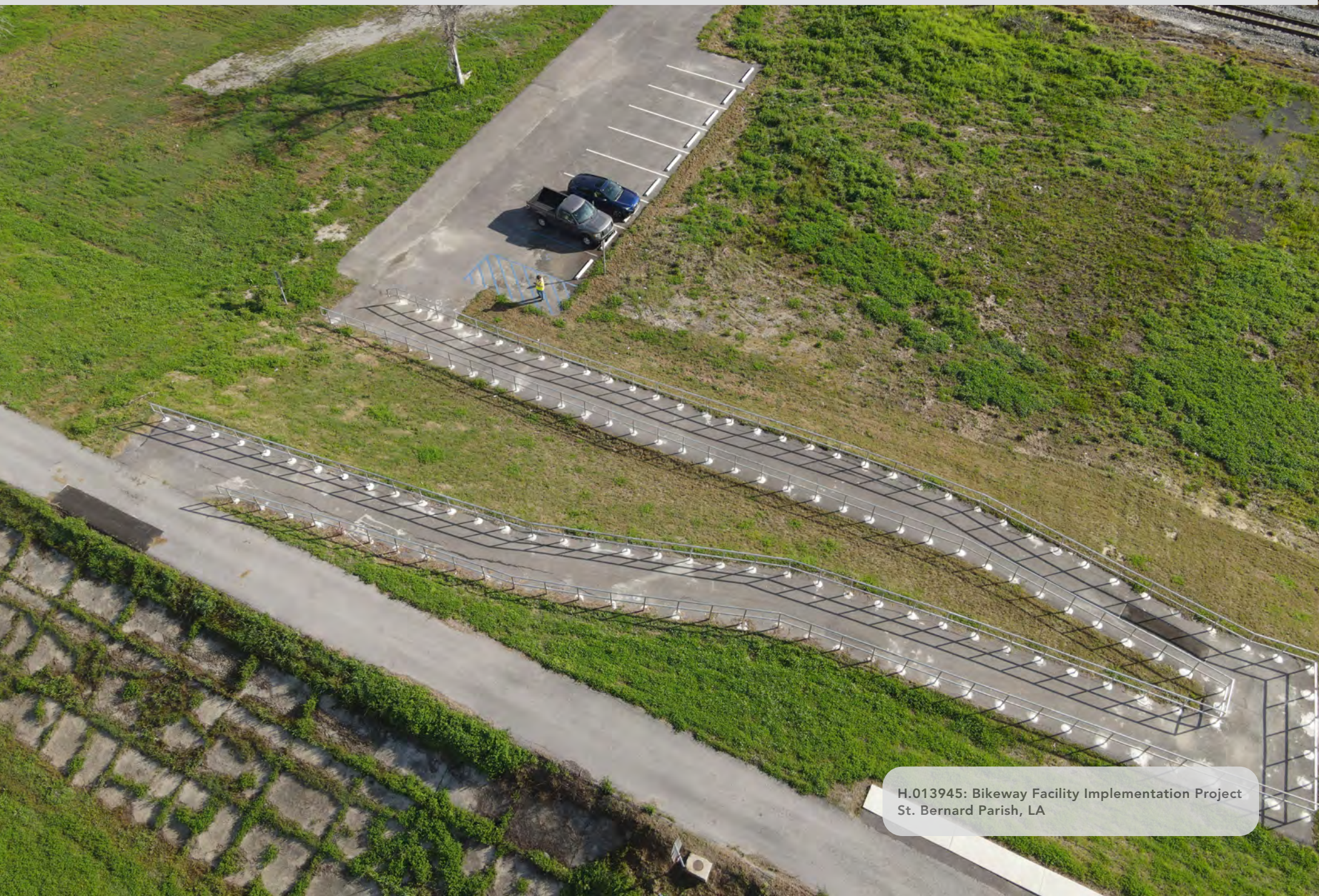
Natchitoches Safe Streets Revitalization - Proposed Project Schedule

ID	Task Name	Duration	Start	Finish
1	**Natchitoches Safe Streets Revitalization**	**600 days**	**Mon 1/6/25**	**Sat 8/8/26**
2	Project Kick Off	1 day	Mon 1/6/25	Mon 1/6/25
3	Pedestrian Studies at all Proposed Crosswalks	180 days	Mon 1/13/25	Sat 7/5/25
4	Amulet Street Traffic Study	270 days	Mon 1/13/25	Tue 9/30/25
5	Geotechnical Investigation and Analysis	150 days	Sat 3/1/25	Wed 7/23/25
6	**Group 1**	**410.75 days**	**Mon 1/13/25**	**Fri 2/13/26**
7	Group 1 Pedestrian / Bike Improvements Topo Survey	180 days	Mon 1/13/25	Sat 7/5/25
8	Group 1 Pedestrian / Bike Preliminary Design	180 days	Tue 4/1/25	Sun 9/21/25
9	Group 1 Pedestrian / Bike Plan In Hand / Review	30 days	Sun 9/21/25	Mon 10/20/25
10	Group 1 Pedestrian / Bike Final Design	120 days	Mon 10/20/25	Fri 2/13/26
11	**Group 2**	**410.75 days**	**Mon 1/13/25**	**Fri 2/13/26**
12	Group 2 Pedestrian / Bike Improvements Topo Survey	180 days	Mon 1/13/25	Sat 7/5/25
13	Group 2 Pedestrian / Bike Preliminary Design	180 days	Tue 4/1/25	Sun 9/21/25
14	Group 2 Pedestrian / Bike Plan In Hand / Review	30 days	Sun 9/21/25	Mon 10/20/25
15	Group 2 Pedestrian / Bike Final Design	120 days	Mon 10/20/25	Fri 2/13/26
16	Final Review Groups 1 & 2	60 days	Fri 2/13/26	Sun 4/12/26
17	**Drainage Design**	**480 days**	**Mon 1/13/25**	**Tue 4/21/26**
18	Drainage Survey	90 days	Mon 1/13/25	Wed 4/9/25
19	Drainage Improvements Preliminary Design	180 days	Thu 4/10/25	Tue 9/30/25
20	Drainage Improvements Plan In Hand / Review	30 days	Tue 9/30/25	Wed 10/29/25
21	Drainage Improvements Final Design	120 days	Wed 10/29/25	Sun 2/22/26
22	Drainage Improvements Final Review	60 days	Sun 2/22/26	Tue 4/21/26
23	Final Revisions Group 1, Group 2 and Drainage	60 days	Tue 4/21/26	Thu 6/18/26
24	**Intersection Improvements**	**329.25 days**	**Tue 4/1/25**	**Thu 2/12/26**
25	Intersection Pedestrian Improvements Topo Survey	90 days	Tue 4/1/25	Thu 6/26/25
26	Intersection Pedestrian Improvements Preliminary Design	90 days	Fri 6/27/25	Sun 9/21/25
27	Intersection Pedestrian Improvements Plan In Hand / Review	29.25 days	Sun 9/21/25	Mon 10/20/25
28	Intersection Pedestrian Improvements Final Design	120 days	Mon 10/20/25	Thu 2/12/26
29	**Group 3**	**394.25 days**	**Tue 4/1/25**	**Thu 4/16/26**
30	Group 3 Pedestrian / Bike Improvements Topo Survey	180 days	Tue 4/1/25	Sun 9/21/25
31	Group 3 Pedestrian / Bike Preliminary Design	180 days	Tue 7/1/25	Sun 12/21/25
32	Group 3 Pedestrian / Bike Plan In Hand / Review	30 days	Sun 12/21/25	Mon 1/19/26
33	Group 3 Pedestrian / Bike Final Design	90 days	Mon 1/19/26	Thu 4/16/26
34	**Group 4**	**393.5 days**	**Tue 4/1/25**	**Wed 4/15/26**
35	Group 4 Pedestrian / Bike Improvements Topo Survey	180 days	Tue 4/1/25	Sun 9/21/25
36	Group 4 Pedestrian / Bike Preliminary Design	180 days	Tue 7/1/25	Sun 12/21/25
37	Group 4 Pedestrian / Bike Plan In Hand / Review	30 days	Sun 12/21/25	Sun 1/18/26
38	Group 4 Pedestrian / Bike Final Design	90 days	Mon 1/19/26	Wed 4/15/26
39	Final Review Groups 3 & 4, and Intersection Improvements	60 days	Thu 4/16/26	Sat 6/13/26
40	Right of Way Survey and Map Preparation (If Needed)	210 days	Wed 10/1/25	Tue 4/21/26
41	Final Review Right of Way Maps (If Needed)	60 days	Tue 4/21/26	Thu 6/18/26
42	**Pavement Rehabilitation**	**481 days**	**Thu 5/1/25**	**Sat 8/8/26**
43	Pavement Rehabilitation Topo Survey	90 days	Thu 5/1/25	Sat 7/26/25
44	Pavement Rehabilitation Preliminary Design	90 days	Sat 7/26/25	Tue 10/21/25
45	Pavement Rehabilitation In Hand / Review	30 days	Tue 10/21/25	Wed 11/19/25
46	Pavement Rehabilitation Final Design	60 days	Wed 11/19/25	Fri 1/16/26
47	Final Review Pavement Rehabilitation	60 days	Fri 1/16/26	Sun 3/15/26
48	Final Revisions Group 3, Group 4, Crossings and Pavement Rehab	150 days	Sun 3/15/26	Fri 8/7/26
49	Final Submittals	1 day	Fri 8/7/26	Sat 8/8/26



Page 1

...AND TOGETHER
WE WILL MAKE A SAFER
CITY OF NATCHITOCHES.



H.013945: Bikeway Facility Implementation Project
St. Bernard Parish, LA

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 Programs – LRSP, SRTPP, SRTS)	Contract No. 4400019870	IDIQ for Design of Safety Projects (Districts 03, 07, 08)	
		Contract No. 4400019870 H.013722	Morgan City Sidewalks and Shared Use Path	$114,546
		Contract No. 4400019870 H.015487	NOLA Pedestrian Safety Improvements (Phase II)	$442,548
		Contract No. 4400019870 H.013716	US 167: Mt. Vernon - Churchill Dr. (LAF)	$275,001
		Contract No. 4400019870 H.013753	LA 428 General DeGaulle – Old Behrman	$78,381
		Contract No. 4400019870 H.013719	US61 @ I-10 EB Off Ramp Ped Impr (NO)	$31,085
		Contract No. 4400015487	IDIQ for Design of Safety Projects (Districts 02, 61, 62)	
		Contract No. 4400015487 H.015011	Local Road Striping & Signing (Ascension)	$111,097
		Contract No. 4400015487 H.015210	Judge Tanner Blvd. Sidewalk (St. Tammany)	$124,349
		Contract No. 4400015487 H.015204	Town Center Pkwy. Side Path (Slidell)	$186,865
	Environmental	4400009703 / H.000688.2	US 11 Norfolk Southern Railroad / St. Tammany Parish	$3,008
		4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick) / St. Mary Parish	$1,230,835
		H.009932	US 80 Widening: Vancil Road to Well Road EA / Ouachita Parish	$5,343
		4400019338 (Multiple State Project Nos.)	Rural Bridge Replacement Initiative Phase II / Statewide	$70,579

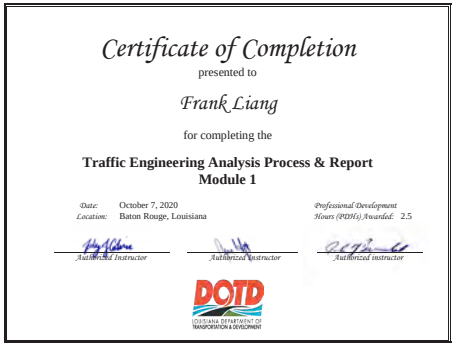
	Traffic	4400018646 / H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12 / East and West Baton Rouge Parishes	$904,512
		4400024307 / H.015052	I-10: LA 415 to Essen Lane on I-10 and I-12 / East and West Baton Rouge Parishes	$3,661,897
		4400019379 / H.013797	I-20: Widening/Ovrly (Vancil Rd-LA 34) / Ouachita Parish	$154,043
		4400025022 (Multiple State Project Nos.)	LA 30: EBR PL – I-10 / East Baton Rouge, Iberville and Ascension Parishes	$232,048
	Road	4400024084 / H.009300.5	IJJA Off System Bridge Program / Statewide	$396,788
		4400027361 / H.011220.6, H.012901.6, H.010634.6	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	$12,608
		4400019010 / H.010116.5	US 90 Engineering Support / Jefferson and Orleans Parishes	$264,301
		4400016923 / H.012901.6, H.010634.6	LA 1088: Soult and Trinity Roundabouts	$33,307
		4400018646 / H.004100.5 and H.004100.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.) / Jefferson and Orleans Parishes	$198,037
	ITS	4400016811 / H.013868.5	ITS Program Management and Operations / Statewide	$131
		4400016811 / H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) / Statewide	$26,667
		4400016811 / H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) / Statewide	$17,136
		4400016811 / H.013868.5	ITS MGMT, OPERATIONS, & MAINT / Statewide	$870,770
		4400016811 / H.013868.6 (B)	ITS MGMT, OPERATIONS, & MAINT / Statewide	$197,274
		4400016811 / H.013868.6 (A)	ITS MGMT, OPERATIONS, & MAINT / Statewide	$681,936
		4400025921/ H.015938.1	Transportation Systems Management and Operations (TSMO) Program / Statewide	$361,164
		4400023812 / H.015377.5	Task Order No. 1 (Weigh Station Assessment)	$454,079
	Data Collection	4400021325 / H.012837.5	I-10 New Orleans Master Plan / Orleans Parish	$193,840
	Bridge	4400021325 / H.015193.1	LA 22: Tchefuncte Bridge Feasibility / St. Tammany Parish	$15,434
	CE&I/OV	4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I) / Ascension, St. James and St. John the Baptist Parishes	$5,170

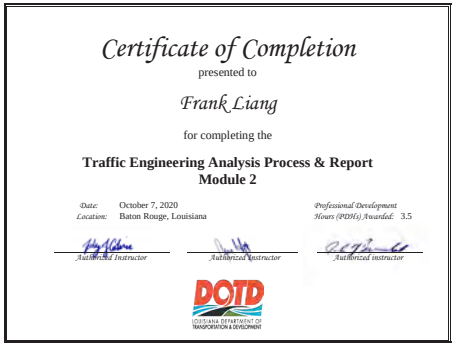
		4400025665 / H.013482.6	I-10 WBR Queue Warning System / Iberville and West Baton Rouge Parishes	$293,204
FORTE & TABLADA	Bridge	Contract No. 4400021594 H.009859.5	Task Order No. 1 - Load Rate Selected Statewide Bridges	$89,296
	Bridge	Contract No. 4400021594 H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	$52,359
	Survey	Contract No. 4400021594 H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Flyover)	$52,359
	Bridge	Contract No. 4400021594 H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	$5,387
	Bridge	Contract No. 4400021594 H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	$562
	Bridge	Contract No. 4400021594 H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Repair	$123
	Bridge	Contract No. 4400021594 H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	$1,935,550
	Bridge	Contract No. 4400021594 H.009730.5	Task Order No. 7 - In-Depth Bridge Inspections	$82,047
	Bridge	Contract No. 4400021594 H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	$167,202
	Bridge	Contract No. 4400021594 H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bayou	$14,399
	Bridge	Contract No. 4400024589 H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	$7,428
	Survey	Contract No. 4400024589 H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	$7,428
	Bridge	Contract No. 4400013387 H.013137.5	OSBR Ouachita	$23,249
	Survey	Contract No. 4400013387 H.013137.5	OSBR Ouachita	$23,249
	Bridge	Contract No. 4400019864 H.014318.5	OSBR Gurney Road Bridges	$4,708
	Survey	Contract No. 4400019864 H.014318.5	OSBR Gurney Road Bridges	$4,708

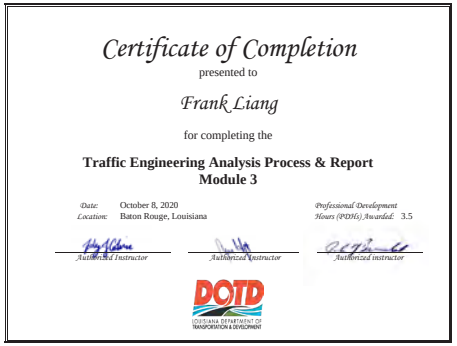
	Bridge	Contract No. 4400025037 H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	$3,487
	Bridge	Contract No. 4400024641 H.005734.5	LA 447 Corridor	$64,602
	Road	Contract No. 4400024641 H.005734.5	LA 447 Corridor	$64,602
	CE&I/OV	Contract No. 4400023837 H.013090.6	Gretna Downtown Pedestrian Improvements	$55,022
	CE&I/OV	Contract No. 4400023837 H.009290.6	LSU Laboratory School SRTS Project	$53,040
	Survey	Contract No. 4400021532 H.013941.5	LA 724: Roundabout @ Landry Road	$46,302
GOTECH	CE&I/OV	4400017006 TO: H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$81,130
	CE&I/OV	4400019550 SPN: H.001234	LA 1: Port Allen Canal Bridge Replacement Phase 1 (HBI) (CE&I) Route LA 1 (West Baton Rouge Parish)	$265,755
	CE&I/OV	4400023074 TO: H.012465	IDIQ Contract for Construction, Engineering & Inspection & Staff Augmentation - Pecan Island Rd District 61(Hammond)	$54,591
	CE&I/OV	4400023074 TO: H.014694.6	LA 426:LA 73 Sherwood Forest District 61(Hammond)	$40,520
	CE&I/OV	4400023074 TO: H.014930	Rumble Strips - District 61(Hammond)	$21,449
	CE&I/OV	4400021740 SPN: H.004100.6	I-10: LA 415 to Essen Ln on I-10 & I-12 (West & East Baton Rouge Parish)	$1,354,573
	Survey	4400025040 SPN: H.015530	Infrastructure Investment Off-System Bridge Program – Devall Rd over Drainage Ditch District 61 (Ascension Parish)	$3,150
	Survey	4400025040 H.015531	Rue De Kajun over Bayou Pierre Part (Ascension Parish)	$3,150
	Survey	4400025040 H.015532	Beco Rd over Duckroos Bayou (Ascension Parish)	$3,150
	Survey	4400025040 H.015540	Section Rd over Poydras (Point Coupee & WBRP)	$3,150

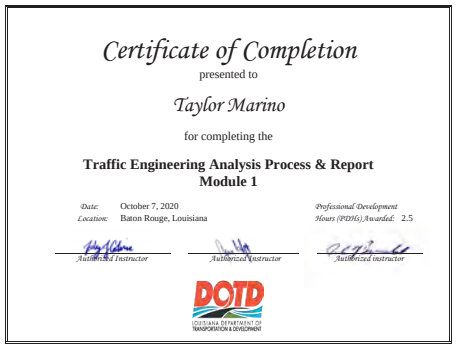
	Survey	4400025040 H.015534	Line Rd over Black Creek (E Feliciana Parish)	$4,500
	Survey	4400025040 H.015535	Billy Goat Rd over Palmers Ranch (E Feliciana Parish)	$4,500
	Survey	4400025040 H.015533	Midway Rd over Black Creek (E Feliciana Parish)	$4,500
	Survey	4400025040 H.015536	Thompson Creek Rd over Shady Grv Bayou (Iberville Parish)	$4,500
	Survey	4400025040 H.015538	Callegan Rd over Drainage Bayou (Iberville Parish)	$4,500
	Survey	4400025040 H.015542	Highland Rd over Madden Creek (W Feliciana Parish)	$4,500
	Survey	4400025040 H.015542	Greenwood Rd over Old Creek (W Feliciana Parish)	$4,500
	Survey	4400025040 H.015541	Canfield Rd over West Fork Bayou (W Feliciana Parish)	$4,500
	Survey	4400025040 H.015539	Lorio Dairy Rd over Bayou Sere (Point Coupee Parish)	$4,500
	CE&I/OV	4400024438 SPN: H.010673 Control Section No. 283-09	US90Z: Harvey Canal Tunnel Rehab Route US 90-Z Federal Aid Project (Jefferson Parish)	$190,550
	CE&I/OV	4400021680 SPN: H.008145.6	LA 1: Leeville to Golden Meadow (Lafourche Parish)	$718,942
	Survey	4400021680 SPN: H.008145.6	LA 1: Leeville to Golden Meadow (Lafourche Parish)	$718,942
	CE&I/OV	4400025536 SPN: H.013956.6	IDIQ CE&I District 61 – Beamon Rd Bridge (Pointe Coupee Parish)	$39,703
	CE&I/OV	4400028884 SPN: H.003931.5	Calcasieu River Bridge (Calcasieu Parish)	$89,115
	Survey	4400023512 TO: 1	IDIQ Bridge Inspection – John James Audubon Bridge Monitor (Statewide)	$6,146
	Survey	4400026910 & 4400026911 SPN: H.015210.5	IDIQ Design of Safety Proj–Judge Tanner Blvd Sidewalk (St. Tammany Parish)	$33,444
	Survey	4400026910 & 4400026911 H.015534	Line Rd over Black Creek (E Feliciana Parish)	$4,500

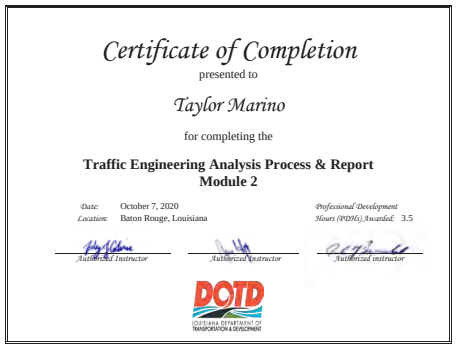
MCA	Road	H.015052	I-20 Widening Overlay	$320,028
The Beta Group engineering and construction services	CE&I/OV	H.016023	Superdome & Arena Vicinity Rehabilitation	NA
		H.014642	PR929 Overlay- US 61- Parker Road	NA
		H.014681	Nine Mile Point Road US 90-LA 18	NA
		H.013458.6	Manchac Acres Road and H.H. Wilson Road Bridges	NA
		H.011779	Power Blvd. Median Improvements	NA
		H.010417	LA 306 LA 631- Barber Rd	NA
		H.011137.6	I-12 LA 1077 to LA 21	NA
		H.06459.6	Roundabout at Churchpoint and Roddy Rd	NA
		H.003047.6	Pecue Lane I-10 Interchange	NA
TriCoeur Services LLC	Bridge	Contract No. 4400025191 S.P. H.015051.5	MARTIN LANE OVER DRAINAGE CANAL Off-System Highway Bridge Program Plaquemines Parish	$34,639
		Contract No. 4400013386 S.P. H.013122.5	PINE STREET & HARRISON/COLLIER BRIDGES Off-System Highway Bridge Program Ouachita Parish	$3,067
		Contract No. 4400027920 S.P. H.004273.5	IDIQ Contract for Value Engineering Services, Task Order No. 2 Lafayette Regional Airport to I-10/I-49/US 167 Interchange Route I-49 Lafayette Parish (Awaiting NTP/funding approval, TO Duration <60days)	$310,289*

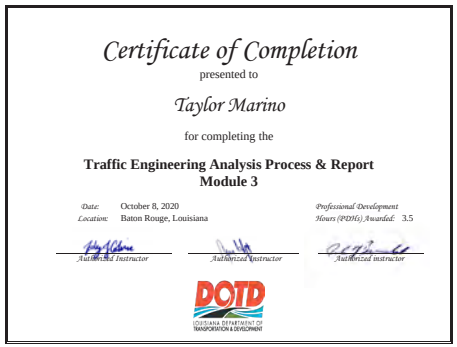

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

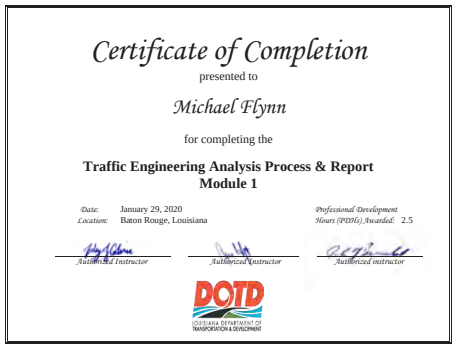

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

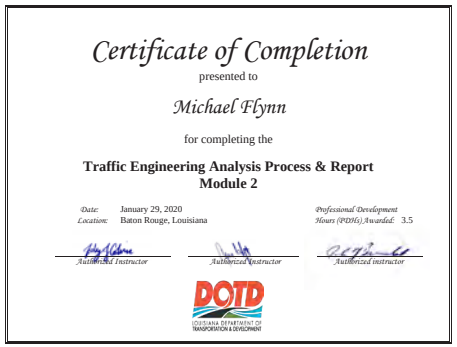

Certificate of Completion
presented to
Frank Liang
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 8, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

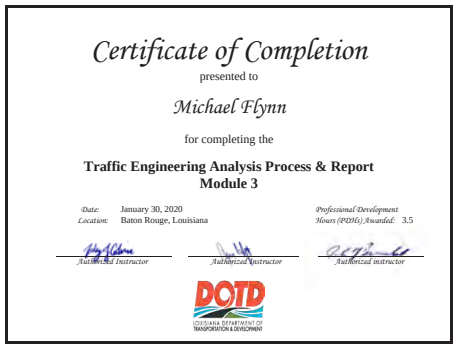

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

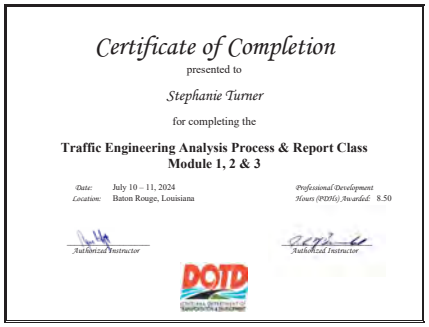

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: October 7, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

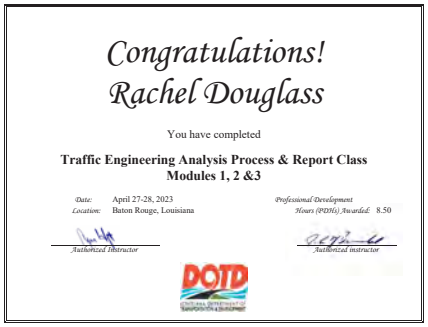

Certificate of Completion
presented to
Taylor Marino
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 8, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


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


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


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


Certificate of Completion
presented to
Stephanie Turner
for completing the
Traffic Engineering Analysis Process & Report Class
Module 1, 2 & 3
Date: July 10 – 11, 2024
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 8.50
Authorized Instructor
Authorized Instructor
DOTD


Congratulations!
Rachel Douglass
You have completed
Traffic Engineering Analysis Process & Report Class
Modules 1, 2 &3
Date: April 27-28, 2023
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 8.50
Authorized Instructor
Authorized Instructor
DOTD


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


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


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


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


Certificate of Completion
presented to
Ari Deitch
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: July 25, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

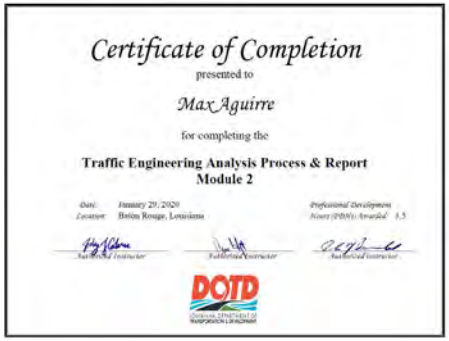

Certificate of Completion
presented to
Ari Deitch
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 15, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Jose M. Rodriguez
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Jose M. Rodriguez
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Jose M. Rodriguez
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: January 30, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Max Aguirre
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 2.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Max Aguirre
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: January 29, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD


Certificate of Completion
presented to
Max Aguirre
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: January 30, 2020
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH's) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD

Transportation Professional Certification Board Inc.

certifies that

Frank T. Liang

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3362 issued in Washington, D.C. U.S.A.
November 26, 2012

Steven D. Hofener
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4846 issued in Washington, DC, USA

11/20/17

Michael T. Park
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Unless withdrawn by the Certification Board this certificate number 2544 issued in Washington, D.C. is subject to the provisions for renewal.
November 24, 2008

Steven D. Hofener
Chair

PTOE

Executive Director

STATE & LOCAL DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

1340 Poydras Street, Suite 1800 | New Orleans, LA 70112

January 26, 2024

VIA EMAIL

Mr. Murray White
The Beta Group Engineering & Construction Services, L.L.C.
1428½ Claire Avenue
Gretna, LA 70053
Mwhite33@bellinaloo.com

RE: SLDBE Certification Renewal

Dear Mr. Murray White:

We are pleased to inform you that **The Beta Group Engineering & Construction Services, L.L.C.** has been approved for re-certification as a State & Local Disadvantaged Business Enterprise (SLDBE). This approval represents certification with the City of New Orleans, Sewerage & Water Board of New Orleans, and the Louis Armstrong New Orleans International Airport.

Your firm's contact information will remain active on the online SLDBE Directory (http://neworleans.dbesystem.com). It will reflect your areas of certification. Your specialties will be listed with the following NAICS as:

NAICS	**541330**	**Civil Engineering Services; Engineering Services**
NAICS	**541360**	**Geophysical Surveying and Mapping Services**
NAICS	**541370**	**Surveying and Mapping (except Geophysical Services)**
NAICS	**541380**	**Geotechnical testing laboratories or services**

A re-certification notice will be emailed to you prior to the date of expiration. However, should you not receive notification from this office for your re-certification, it is your responsibility to contact us. The submittal of this information is necessary to ensure that there is no interruption in your certified status. **If a re-certification application is not received by the renewal date, we will proceed with decertification procedures. Additionally, you must notify our office immediately regarding any changes which affect the social and economic disadvantaged status, size, ownership, or control of your firm.**

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

If you have any questions and or comments, please do not hesitate to contact me.

Sincerely,

Veronica Christmas

Veronica Christmas
Certification Program Manager

TriCoeur Services, LLC

White Women Owned Business

9270 Siegen Lane, Suite 501

Baton Rouge, LA 70810

504-615-8862

Aileen Foley

afoley@tricoeur.com

Department of Transportation and Development ENGINEERING SERVICES

541990-All Other Professional, Scientific, and Technical Services

541611-Administrative Management and General Management Consulting Servi

C10-Management

http://www8.dotd.la.gov/UCP/UCPResults.aspx

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. <u>Sub-consultant information:</u>

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Arcadis U.S., Inc.	6100 Corporate Blvd., Ste. 325 Baton Rouge, LA 70808	Akhil Chauhan, P.E., PTOE, PTP, PMP Akhil.chauhan@arcadis.com	225.368.6563
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Russell J. "Joey" Coco, Jr., PE, MBA jcoco@forteandtblada.com	225.927.9321
GOTECH, Inc.	8383 Bluebonnet Blvd. Baton Rouge, LA 70810	Rhaoul A. Guillaume, rhaoul@gotech-inc.com	225.766.5879
Marrero, Couvillon & Associates, L.L.C.	4354 S. Sherwood Forest Blvd. Baton Rouge, LA 70816	M. Kimball Schlaffy, P.E. kschlaffy@mca-llc.com	504.834.3448
The Beta Group Engineering & Construction Services, L.L.C.	1428 ½ Claire Street Gretna, LA 70053	Murray White mwhite@betatestingonline.com	504.227.2274
TriCoeur Services, L.L.C.	9270 Siegen Lane, Suite 501 Baton Rouge, LA 70810	Aileen Foley afoley@tricoeur.com	225.228.2681

23. <u>Location:</u>

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