AECOM

Proposal for Engineering and Related Services

IDIQ Contracts for Roadway Design Safety Statewide

Contract 4400026026




March 16, 2023

Submitted to:
Louisiana Department of Transporation and Development

Submitted by:
AECOM Technical Services, Inc.

Delivering a better world

AECOM Technical Services, Inc.
8555 United Plaza Boulevard, Suite 300
Baton Rouge, LA 70809
303-941-4962

Louisiana Department of Transportation and Development (LADOTD)
Attn: Mr. Mark Chenevert, PE,
Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

March 16, 2023

RE: Contract Nos. 4400026026; IDIQ Contract for Road Design Safety, Statewide

Dear Project Evaluation Team:

The Louisiana Department of Transportation and Development (LADOTD) has long been an innovator in road safety, implementing unique and successful solutions that have improved the transportation environment for all users. Under the direction of Ms. Adriane McRae, LADOTD has continued to be a standard bearer for highway safety, not just in the southeast, but in the country.

At AECOM, safety isn't just a buzzword; it is a way of life. It permeates our culture, and we strive to see everyone, our employees, clients, vendors, and subconsultants operate with a safety-first mindset. It is through this foundation and our long-term relationship with LADOTD that AECOM understands how important road safety is to Louisiana and all persons across our state. For these reasons, we realize the critical role quickly and efficiently designing and delivering projects that implement safety improvments, at spot locations or systemically, plays in the achievement of Louisiana's Destination Zero Deaths goal.

In response to this RFP and LADOTD's ongoing needs for road and traffic design support, AECOM offers the following benefits:

Full Service & Experienced Team – AECOM and its subconsultant partners, Buchart Horn Inc., Civil Design and Construction, Inc., GoTech, Inc., and Grey Engineering, LLC., provide a full-service team, providing staff that can support all services outlined in the RFP. We offer our expert and experienced resources and a design team that can provide a deep, multi-disciplinary approach to these IDIQ task order projects. We have delivered similar type projects using both traditional and alternative delivery methods tailored to each specific task order.

Proven Capability – We have assembled a robust team of local engineers and surveyors that have worked successfully on LADOTD projects for many years. Some of these team members were employed by LADOTD at some point in their career.

Flexible and Responsive – The AECOM Team offers a project-focused staffing approach that matches our key staff and subconsultant partners to LADOTD's task order needs. Our commitment to project delivery, design efficiencies, and staff development is reflected throughout each IDIQ task order.

The AECOM Team was created to combine our experience in providing industry leading technical expertise, a throuough understanding of addressing highway safety needs, and exemplary customer services to LADOTD. AECOM has held LADOTD retainers, as both the Prime Consultant and Subconsultant. AECOM's Team offers LADOTD a one-stop shop for Preliminary and Final Roadway Design, Plan Development and Cost Estimates, Traffic Control Design, Traffic Signal Analysis and Design, Hydraulic Analysis and Design, Road Design Services during the Environmental Process, Special Provisions Write Ups, Transportation Management Plans (TMPs), Quality Plan Reviews, Construction Support, and Topographic Surveys.

We believe our team provides LADOTD a team unlike any other for this opportunity. Our Project Manager, Gregory Trahan, P.E., RSP1 is a passionate leader, who has developed strong relationships with LADOTD and across the state. He currently manages design projects, including an HSIP-funded project for the Mississippi DOT. He was formerly the Deputy Project Manager on a previous LADOTD Safety Studies IDIQ, allowing him to learn and thoroughly understand LADOTD's project process. Gregory will be supported by a vast array of designers and safety professionals. We know how to get your project efficicently from concept to construction.

AECOM has been successfully operating in Louisiana for nearly a half century providing transportation design services and has a long-standing relationship with LADOTD. AECOM has nearly 200 employees in Louisiana between our Baton Rouge and New Orleans offices including Roadway, Bridge and Traffic Engineers as well as Planning and Environmental Professionals. Our local transportation staff is well integrated with our regional and national transportation professionals and experts successfully working together to complete various types of road design and transportation projects through the region and nationally.

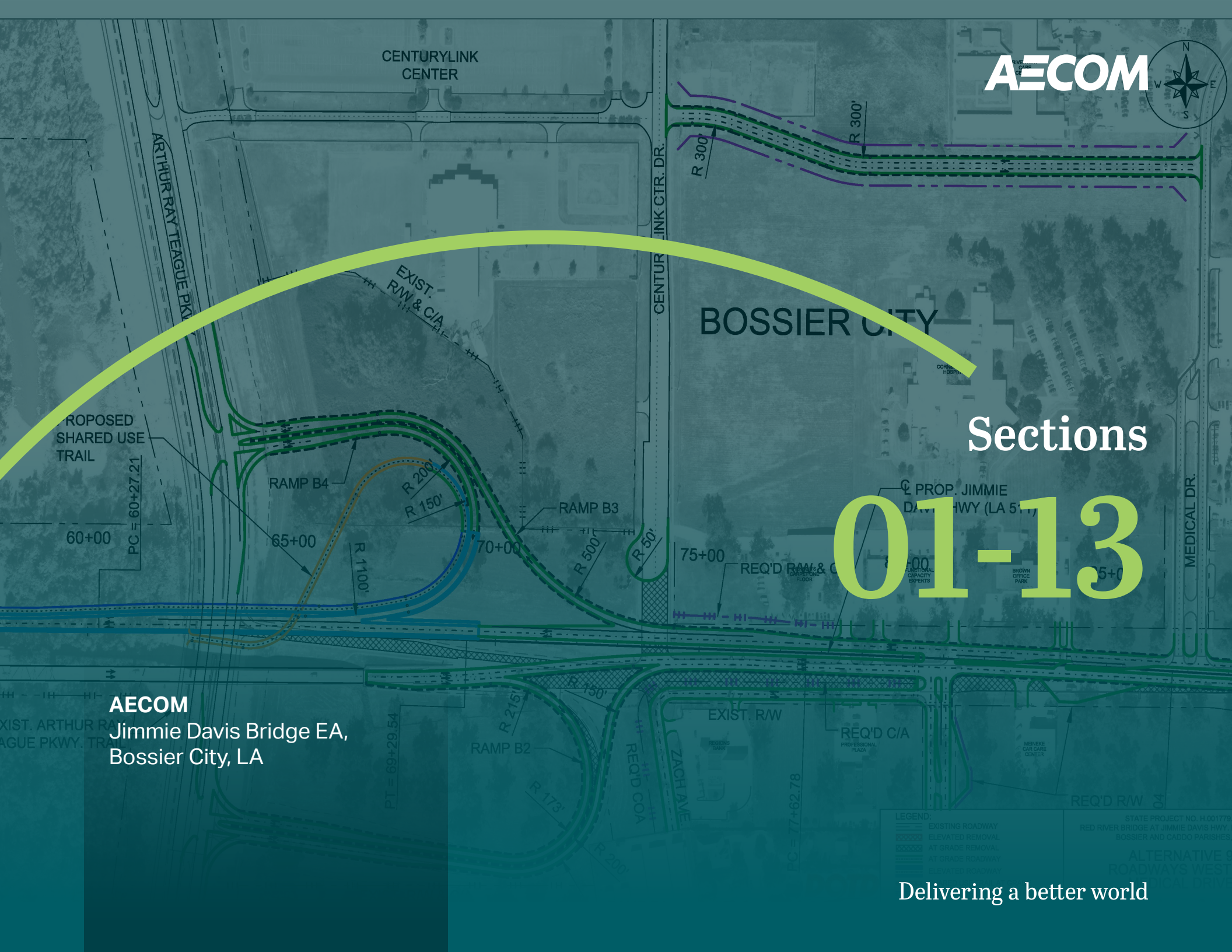
The AECOM Team is a proven leader in safety and view this opportunity to be partners with the State of Louisiana, serving its citizens in the implementation of data-driven safety solutions to partner with LADOTD in achieving Louisiana's Destination Zero goal.

Sincerely,

AECOM Technical Services, Inc.

Greoory Trahan, P.E., RSP1
Project Manager
225.922.5937
gregory.trahan@aecom.com

Jonathan McDowell, P.E.
Assoc. Vice President, Surface Transportation Leader
225.922.5934
jonathan.mcdowell@aecom.com



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Sections 01-13

AECOM
Jimmie Davis Bridge EA,
Bossier City, LA

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(Revised January 1, 202)

DOTD FORM: 24-102

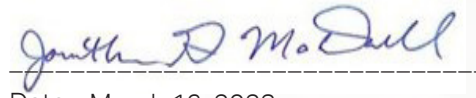
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ Contracts for Roadway Design Safety
2. Contract number(s) as shown in the advertisement	Contract Nos. 4400026026
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	AECOM Technical Services, 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)	AECOM Technical Services, Inc. (AECOM) LAPELS No. EF.0002331
6. Prime consultant mailing address	8555 United Plaza Blvd., Suite 300 Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8555 United Plaza Blvd., Suite 300 Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Gregory Trahan, PE, RSP[1] Project Manager 225.922.5937 gregory.trahan@aecom.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jonathan McDowell, PE Associate Vice President & Principal-in-Charge 225.922.5934 jonathan.mcdowell@aecom.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9):  Date: March 16, 2023
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %: Civil Design and Construction, LLC (6%) GoTech (7.5%) Grey Engineering (1%)

12. Past Performance Evaluation Discipline Table:
As indicated in the advertisement, insert the completed table here. The percentages for the prime and subconsultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

Evaluation Discipline(s)	% of Overall Contract	AECOM Technical Services, Inc.	Buchart Horn	Civil Design and Construction, LLC	Go Tech	Grey Engineering	Total
Road	70%	70.00%	25.00%		5.00%		100%
Traffic	20%	95.00%				5.00%	100%
Survey	10%			60.00%	40.00%		100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.							
Precent of Contract	100%	68.00%	17.50%	6.00%	7.50%	1.00%	100%
DBE				14.50%			

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below: **http://wwwsp.dotd.la.gov/Inside_LADOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf.** (same link as in the advertisement)

13. Firm Size:
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LADOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
AECOM Technical Services, Inc.	Principal	2	3
	Supervisor - Eng.	8	10
	Supervisor - Other	6	8
	Engineer	9	16
	Engineer Intern	1	10
	Engineer - Other	4	12
	Administrative	2	5
	Senior Technician	3	10
Buchart Horn, Inc.	Principal	2	3
	Supervisor Engineer	3	4
	Engineer	2	3
	Engineer-Other	1	5
	Engineer Intern	1	1
	Planner	1	1
Civil Design & Construction, Inc.	Surveyor	1	3
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	1	2
	CADD Operator	1	1
	Senior Technician	2	5
	Supervisor - SUE	1	1

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
GoTech	Principal	1	1
	Engineer	2	6
	Engineer Intern	1	1
	Surveyor	1	2
	Party Chef	2	3
Grey Engineering	Principal	1	1

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Sections 14-16

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Siegen Lane (LA 3246)
Improvements
Baton Rouge, LA

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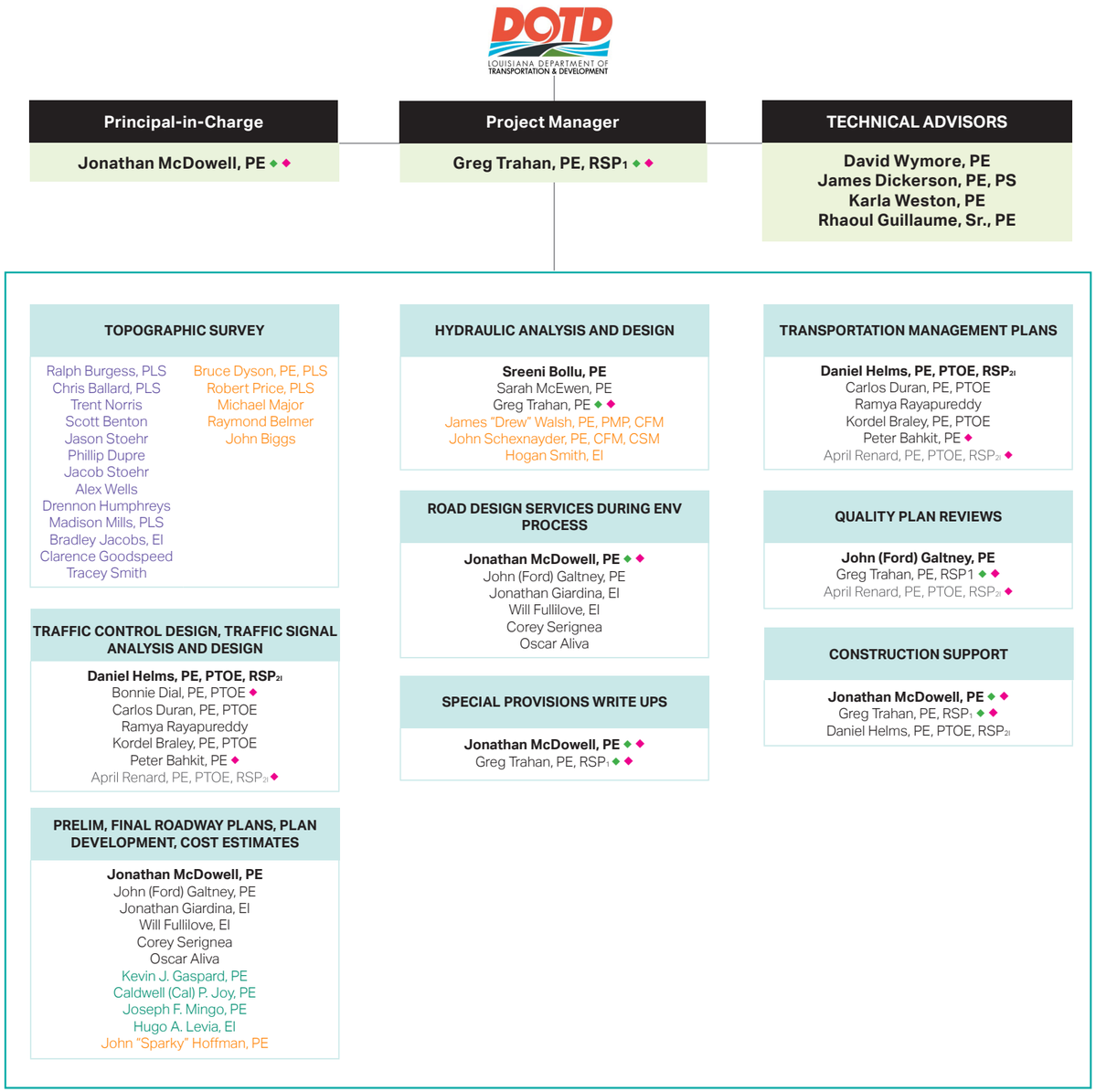
14. Organizational Chart



Legend:

Buchart-Horn, Inc.
Civil Design and Construction, Inc.
GOTECH, Inc.
Grey Engineering, LLC

◆ ATSSA Certified
◆ TEPR Certified
◆ PE Not Registered in LA

15. Minimum Personnel Requirements

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR.

MPR No.	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE / PE.0030508	LA	03/31/2025
2	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE / PE.0030508	LA	03/31/2025
3	Jonathan McDowell, PE	AECOM Technical Services, Inc.	PE / PE.0030508	LA	03/31/2025
	Gregory Trahan, PE, RSP_1	AECOM Technical Services, Inc.	PE / PE.0036041	LA	03/31/2023
4	Ralph Burgess, PLS	Civil Design & Construction, Inc.	PLS/PLS.0005040	LA	09/30/2024
	Chris Ballard, PLS	Civil Design & Construction, Inc.	PLS/PLS.0005033	LA	09/30/2024
5	Daniel Helms, PE, PTOE, RSP_{2I}	AECOM Technical Services, Inc.	PE / PE.0042486	LA	09/30/2024
			PTOE / #2820	n/a	04/14/2025
			RSP_{2I} / #11	n/a	12/09/2025

	Firm	**Civil Design & Construction**		
	Name	Trent Norris	Years of Relevant Experience with this Employer	8
	Title	Survey	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger
Year Registered	N/A	Discipline	Land Survey
Contract Role(s)/Brief Description of Responsibilities			Mr. Norris serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/18 – 01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** Mr. Norris was the #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17 – 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**. Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
04/17 – 07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
08/16 – 01/18	**H.011235 I-49 Verot School Road, Lafayette, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/16 – 10/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA**. Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/15 – 12/18	**H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
01/16 – 07/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.

	Firm	**Civil Design & Construction**		
	Name	Scott Benton	Years of Relevant Experience with this Employer	6
	Title	Senior Technician	Years of Relevant Experience with Other Employer(s)	5

Degree(s)/Years/Specialization			BS / 2016 / Civil Engineering
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Benton serves as a Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
12/19 – 01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** Mr. Benton served as a #3D Scanning Technician for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
03/14 – 06/14	**H.008369 Cleo Road Roundabout, St. Tammany Parish, LA.** Mr. Benton served as a Senior Technician on this project processing survey field data. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13 – 07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA.** Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
02/13 – 06/13	**H.005693 LA 447, Walker, LA.** Mr. Benton served as a Survey Crew Instrument Man and later as a technician on this project processing survey field data. CD&C's responsibilities included all field work, utility coordination, review of existing survey data provided by LADOTD and all office work to produce the final product; this includes merging of supplied survey from LADOTD and survey by CD&C. CD&C also performed the tie-in of the new survey to the existing survey provided by LADOTD to produce an overall deliverable to be utilized in this design.
10/14 – 12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**. Mr. Benton served as Survey technician on this project processing survey field data. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
07/14 – 10/15	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA.** Mr. Benton served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting necessary topographic data from them thru TopoDot to put into InRoads.

	Firm	**Civil Design & Construction**		
	Name	Bradley Jacobs, EI	Years of Relevant Experience with this Employer	1
	Title	Engineering Intern	Years of Relevant Experience with Other Employer(s)	9

Degree(s)/Years/Specialization			BS / 2015 / Civil Engineering
Active Registration Number/State/Expiration Date			No. 0032456 / Louisiana / 09/30/2023
Year Registered	2015	Discipline	Engineering Intern
Contract Role(s)/Brief Description of Responsibilities			Mr. Jacobs will process field crew data and finalize deliverables.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/15 – 05/15	**Albany Annex.** Worked on the boundary survey for extending the town limits of Albany, Louisiana. I went to the courthouse and did title research for the properties that were obtained for the annex. I set the new boundary lines for the new town limits. I also drew the map showing the boundary of the properties that were obtained.
06/15 – 06/19	**Pecue Lane.** Worked on Right of Way maps and the Traverse Control Sketch. For the Right of Way maps, I set where the monuments will be in the office. I also calculated the bearings and distances between each right of way monument. I also wrote the legal descriptions for the Right of Way and verified that it matches the maps. I also created the control sketch based off the traverse. All drawings were created up to DOTD Standards.
06/15 – 07/15	**Essen Lane Control.** Worked on Right of Way maps in the office and helped set monuments in the field. I set the points for all the right of way monuments in the office and then went to the field to assist the crews in staking out and setting the monuments 2021 Bellacosa Residential Subdivision - Generate Point file for the survey crew to stakeout the property corners for each lot within the subdivision.
04/21 – 05/21	**Jefferson and Corporate Interchange Survey.** Created the GPS control sketch that shows the traverse for the survey.
06/2021	**Pollard Branch.** Wrote the legal descriptions for three different tracts. The legal descriptions reflected the overall boundary survey maps. Topographic Surveys
06/14 – 07/14	**I-12 to Bush.** Worked as a rodman. We cut cross sections every 100 feet for road improvements and did a topographic survey using total stations.

	Firm	Civil Design & Construction		
	Name	Jacob Stoehr	Years of Relevant Experience with this Employer	8
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	8.5

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			ATSSA TCS, TCT, Flagger
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/18-01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** Mr. Stoehr served as a Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/2018	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/2018	**H.011235 I-49 Verot School Road, Lafayette, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
05/17-07/2017	**H.011909.5-2 Roundabout US 171 at Boone Street, Vernon Parish, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
01/16 – 08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/15 – 12/2018	**H.003184.5 I-10 Texas State Line East of Coone Gully.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/16 – 11/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.

	Firm	Civil Design & Construction		
	Name	Alex Wells	Years of Relevant Experience with this Employer	3
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			ATSSA TCS, TCT, Flagger
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Wells joined CD&C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/21 – 03/22	**H.014747 Southern University Ravine Protection, East Baton Rouge Parish.** Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/21 – On-Going	**H.011833.5 St. Mary Street Sidewalks; Scott, LA.** Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
09/22 – On-Going	**(Proj# Not Available) BRMA Northwest Aviation Development.** Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 10/21	**H.013989 Greybow Rd. Palmetto Creek.** Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish.** Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
02/21 – 05/21	**H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA.** Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/20 – 01/21	**H014302 US 165 Lighting, Monroe, LA.** Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.

	Firm	**Civil Design & Construction**		
	Name	Drennon Humphreys	Years of Relevant Experience with this Employer	2
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			Flagger, TCT
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Humphreys will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/21 – 06/21	**H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.
02/21 – 05/21	**H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek, Allen Parish, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.
02/21 – 01/22	**Move BR: Lee Drive – Highland Rd. to Perkins Rd., Baton Rouge, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 1.8 mile road improvement project as part of the Move BR infrastructure initiative.
04/21 – 12/21	**Move BR: Hennessy Blvd. –Perkins Rd. to Picardy Ave., Baton Rouge, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this MoveBR widening project is responsible for topographic and ROW surveying for this 0.4 mile road improvement project to create an underpass at the R/R crossing. This project is a part of the Move BR infrastructure initiative.
01/22 – On-Going	**4400017091 Louisiana Watershed Initiative Region 5 – Task Order 2.** Mr. Humphreys is working as a Instrument Man and now a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.
01/22 – 05/22	**H.013956 Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.

	Firm	**Civil Design & Construction**		
	Name	Tracey Smith	Years of Relevant Experience with this Employer	>1
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	24

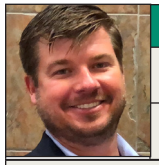
Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Smith has over 24 years' experience in underground utilities. Mr. Smith has worked in the gas field for 3 years and spent 19 years performing various underground utility locations and serving as a supervisor for a number of locate technicians.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/22 – On-Going	**(Proj# Not Available) BRMA Northwest Aviation Development.** Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.
05/22 – On-Going	**H.011833.5 St. Mary Street Sidewalks; Scott, LA.** Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
05/22 – 09/22	**H.010960.5-2 Roundabouts at LA 182, Lafayette, LA.** Mr. Smith serves as the firms SUE field chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
01/11 – 12/21	**USIC.** Mr. Smith served as a utility claims adjuster for damages for 10 years.
01/2000 – 1/11	**Utilquest.** Mr. Smith served as the lead supervisor in charge of day to day operations for damage utility technicians performing underground utility locations of various utilities.
01/98 – 01/2000	**Sprint.** Mr. Smith was a damage prevention technician for various communication utilities.

	Firm	**Civil Design & Construction**		
	Name	Jason Stoehr	Years of Relevant Experience with this Employer	5
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			ATSSA Traffic Control Technician, Flagger
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish.** Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18-01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/2018	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/2018	**H.011235 I-49 Verot School Road, Lafayette, LA.** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
02/19 - 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA.** Mr. Stoehr served as a Jr. Party Chief this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
7/17 – 12/18	**H.003184.5 I-10 Texas State Line East of Coone Gully.** Mr. Stoehr served as an instrument man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.



Firm	AECOM Technical Services, Inc.		
Name	Greg Trahan, PE, RSP1	Years of Relevant Experience with this Employer	16
Title	Project Manager	Years of Relevant Experience with Other Employer(s)	1

Degree(s)/Years/Specialization			BS/2005/Civil Engineering
Active Registration Number/State/Expiration Date			PE.0036041/LA/03.31.25; RSP1 833/2025
Year Registered	2011	Discipline	Civil Engineer
Other Training			Highway Safety Manual Workshop; 2015 ATSSA Certified–Traffic Control Technician/ Supervisor/Flagger; 2016 ATSSA Certified–High Friction Surface Treatment Inspection & Installation; LA DOTD Traffic Process and Report Parts 1,2, and 3 (2018), 2019 ATSSA Certified–Traffic Control Supervisor Refresher
Contract Role(s)/Brief Description of Responsibilities			Greg will provide road design services, quality plan reviews, construction support under this contract. He will also support the Project Manager and other design teams by providing Quality Control. Greg will serve as the Project Manager. He will coordinate with the Project Team and sub consultants to provide LA DOTD with quality plans on time and within budget.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/22 - Ongoing	**MDOT, US 49 – Orange Grove Blvd. to St. Charles St. Harrison County , MS.** As the Project Manager and Engineer for the US 49 Project. Gregory is managing the overall design and coordination with MDOT and subconsultants. The US 49 Project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage had to be altered to collect the runoff from the new drainage patterns.
09/17 - Ongoing	**Coastal Protection and Restoration Authority, LA 23 Over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** Project Engineer that assisted in the Design Plans for the new bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast girder bridge, approximately 2,200 feet in length, and the connecting asphalt roadway. Design Plans include Plan and Profile sheets, Drainage Plan and Profile sheets, Sequence of Construction Plans. There will be multiple construction activities being conducted at one time, the sequence of Construction is a critical element of design in order to manage traffic and maintain roadway operations even if evacuation routes would be required.
05/20 - Ongoing	**Jones Creek Road Extension (Segment 1A, Jefferson Highway to Airline Highway), (City of East Baton Rouge), East Baton Rouge Parish, LA.** Project Manager for the Traffic, Phase I, Cultural Resources, and Wetland reports for the Design Report. The traffic analysis required for this segment of Jones Creek Road Extension includes the study of a major arterial road in Baton Rouge, Airline Highway (US 61). Mr. Trahan assisted in the Data Collection of Airline highway, which included 7-Day and 24-hour approach counts with classification, and Turning Movement Counts. In addition, Mr. Trahan collected the crash data required to analyze the existing crash analysis report. At this time AECOM is continuing to work on No-Build and Build volumes in order to provide future Build Analysis

02/07 - 06/10	**Baton Rouge Dept. of Public Works, Siegen Lane (LA 3246) Improvements, Highland Rd. to 650' south of Perkins Rd., Baton Rouge, LA.** Project Engineer that assisted in the design and plan development to widen 1.18-mile segment of Siegen Lane to a four lane boulevard. Tasks include the geometric design of the roadway, subsurface drainage, and the development of the sequence of construction. The drainage area encompassed approximately 225 acres. A study was conducted on the multiple detention ponds, using a pond modeling program to determine if the box culvert system would need to be upgraded. A HEC-RAS model was conducted on an existing drainage ditch crossing Siegen Lane to ensure that the proposed drainage would not exceed the existing tail water elevation. The sizing and spacing of culverts and inlets was determined using the LADOTD HYDRWIN hydraulics program. Prepared quantities and cost estimates for the project.
05/14-Ongoing	**LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA.** Project Engineer for the traffic study involving the new extension of the Earhart Expressway a six lane urban freeway, to Airline Drive, a four-lane highway, for a total of ten lanes. The study will include analyzing existing and future conditions along the US 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project Greg is analyzing design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.
2014	**LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA.** Project Engineer that assisted in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and the Business US 90 Bridge. These plans included provisions to detour traffic from the closed portions of the bridge or entrance ramps.
11/04-12/07	**LADOTD State Project No. 700-92-0016, Florida Avenue Bridge over IHNC, New Orleans, LA.** Assisted in the geometric design of two interchange ramps connecting to Florida Ave. Bridge and two relocated parking areas for two major public installations in the project area. He assisted in the design of girder splices for the steel main span alternative. He also assisted in the preparation of quantity calculations and cost estimates for the steel main span alternative.
07/15-Ongoing	**LADOTD, State Project No. H.001779.5 Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** Assisted in preparing a feasibility study to widen the existing crossing of the Red River along Jimmie Davis Bridge and to connect shared use bicycle and pedestrian paths on each side of the river. Task included geometrics study of highway and interchange ramps to produce three feasibility alternatives.
12/1-4/17	**LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA.** Project Engineer for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of Louisiana. The tasks associated with this project include; site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes; a ball bank test, photo and an existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each curve location, preparing a letter size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan sheet, and preparing cost estimates for the safety countermeasures. After the completing each letter size plan sets, a meeting was held with each District to discuss countermeasures.
5/10-9/12	**LADOTD State Project No. H.005171.1, I-49 Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA.** Aided in identifying roadway projects that would provide increased capacity or improved safety along the US 90 corridor. Some of the improvements may upgrade portions of US 90 to interstate standards.
05/1-04/13	**LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA.** Project Engineer performed a Stage 0 on a segment of LA 935 from LA 431 to LA 22. Developed a conceptual alternative for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate. The road paralleling Black Bayou was realigned approximately 20' off the original alignment. This realignment allowed for the road to be widening to 12' lanes and add shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to ensure the feasibility of a build/no-build condition, minimize required Right-of-Way and/or acquisition of properties.

Firm	AECOM Technical Services, Inc.		
Name	Daniel Helms, PE, PTOE, RSP_{2I}	Years of Relevant Experience with this Employer	3
Title	Traffic Design Lead	Years of Relevant Experience with Other Employer(s)	19

Degree(s)/Years/Specialization			BSCE/1998/Civil Engineering MSCE/2003/Civil Engineering (Transportation)
Active Registration Number/State/Expiration Date			PE 42486 / LA / September 2024; PTOE 2820 / April 2025; RSP_{2I} 11 / December 2025
Year Registered	2018	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Daniel will provide traffic engineering design and analysis services under this contract. He will lead all traffic signal design. He will also be responsible for any Transportation Management Plans (TMP) required by the contract. He will also support the Project Manager and other design teams by providing Quality Control.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/22 – Ongoing	**US 49 at Oak Lane, Mississippi DOT, Gulfport, Mississippi.** Mr. Helms is the Project Manager for a safety design project to implement two (2) directional medians and associated improvements to an urban corridor with safety issues. The project will develop a set of Conceptual, Phase A (Right of Way) and Phase B (Construction) plans. He will coordinate with the design technical lead and design team to ensure they follow MDOT design standards.
07/20 – Ongoing	**Harris County Toll Road Authority (HCTRA) Three Mainline Project, HCTRA, Houston, TX.** Mr. Helms is the engineer of record for a signal design project at three signalized intersections, adjacent to the Sam Houston Tollway. Mr. Helms is responsible for the design, develop and summarization of quantities, general notes, and traffic signal notes. Mr. Helms is guiding junior staff in following City of Houston design standards to develop the plans.
06/20 – Ongoing	**FM 969 Corridor Improvements, Texas Department of Transportation (TxDOT), Austin, TX.** Mr. Helms is the engineer of record for a signal design project for an isolated traffic signal, along an urban corridor in Austin, Texas. He is responsible for the design, development and summarization of quantities, general notes, traffic signal notes and works with junior staff and staff of the prime consultant, to coordinate traffic signal improvements.
05/20-Ongoing	**FM 518 Corridor Improvements, TxDOT, League City, TX.** Engineer of record for a signal design project for a series of traffic signals on a major urban corridor in League City, Texas. The project involved upgrading three traffic signals, including implementing a temporary signal. Daniel made design adjustments to eliminate the need for additional temporary signals. He is responsible for the design, development and summarization of quantities, general notes, traffic signal notes, and the engineer's estimate of probable cost. Daniel works with junior staff, along with staff of the prime consultant, to coordinate traffic signal improvements.

05/20 – 08/20	**FM 2090 at Tram Road, TxDOT, Splendora, TX.** Mr. Helms was the engineer of record for a signal design project at an isolated intersection in the Houston Metropolitan area. Mr. Helms was responsible for the design, development and summarizing of quantities, general notes, traffic signal notes, and the engineer's estimate of probable cost. Mr. Helms worked with junior staff, along with staff of the prime consultant, to meet the tight budget and schedule of this project.
06/19 – 01/20	**I-59 Rubblization Project, Mississippi DOT (MDOT), Forrest and Jones Counties, MS.** As the Project Manager, Mr. Helms was a key link between the project design team and the staff with MDOT. He provided insight and guidance into the design and plan requirements, along with assisting in the project management responsibilities (financial tracking, required deliverables). The project required the development of a complex traffic control plan to allow for two northbound lanes during construction to accommodate contraflow for hurricane evacuation.
02/19 – 01/20	**Barksdale Interchange Design-Build, Louisiana Department of Transportation and Development (LADOTD), Bossier City, Louisiana.** This design-build project constructed a new controlled access roadway, connecting at the I-20, I-220 interchange in northwest Louisiana. Mr. Helms was responsible for: the development of the signing plans, including overhead and ground mounted signs, detour plan development of and providing quality control for the project's IMR and the Transportation Management Plan (TMP). The project required coordination and collaboration with state, federal and military stakeholders.
02/18 – 01/20	**Interstate 20 Transportation Management Plan and Travel Assessment, LADOTD, Bossier and Caddo Parishes.** Mr. Helms led the development of a mesoscopic model and Transportation Management Plan (TMP). Mr. Helms was responsible for the development of a Level 4 TMP of the I-20 corridor. The elements of the TMP required the review of alternate routes through the development of a mesoscopic simulation model, public information strategies, stakeholder involvement, ITS implementation, queuing analysis, and crash analysis. The TMP analyzed the impacts to the road networks of Shreveport and Bossier City, Louisiana, for an interstate pavement rehabilitation project.
06/07 – 12/17	**Traffic Safety Engineering Manager, MDOT.** Mr. Helms was the day to day manager of the traffic safety engineering program. He performed site review, crash data analysis, benefit-to-cost analysis, countermeasure development and selection, design contract scope development and contract review, and design project management, including design and plan review. He managed several traffic signal projects, which included the crash data analysis, countermeasure selection, design, benefit-to-cost analysis, and traffic signal analysis, including signal timings, warrant analysis, capacity analysis, etc.
10/04 – 05/07	**Roadway Design Engineer. MDOT.** Mr. Helms was a design team member, promoted to a design team leader, during his time with the Roadway Design Division with MDOT. He worked on several design projects during his time with the Division, ranging from bridge replacements to major roadway widening. He was responsible for knowledge of and implementation of AASHTO and MDOT Design Guidelines, participating and Field Inspection and Office Review meetings, and developing, reviewing, and finalizing final right of way (Phase A) and construction (Phase B) plans.

Firm	AECOM Technical Services, Inc.		
Name	Jonathan McDowell, PE	Years of Relevant Experience with this Employer	16
Title	Project Manager and Principal-in-Charge	Years of Relevant Experience with Other Employer(s)	6

Degree(s)/Years/Specialization			BS/1996/Civil Engineering
Active Registration Number/State/Expiration Date			PE.0030508/LA/3.31.25 Additional active licenses in MS, AR, TX
Year Registered	2003	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Jonathan will serve as the Principal In Charge and assist the Project Manager in his duties.. He will lead all the road design services during environmental process. He will also lead the quality plans review and construction support as required by the contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/20-Ongoing	**City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA.** Project Manager and Task Manager for the Urban Road Design and Complete Streets improvements to College Drive. The project include a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.
09/17-Ongoing	**Coastal Protection and Restoration Authority, Station Project No. BA-0153: Mid Barataria Sediment Diversion, Plaquemines Parish, LA.** Task manager and lead engineer for the relocation of LA 23 and the NOGC Railroad tracks across the proposed sediment diversion. Performed QC review of the traffic report and participated in the environmental and public involvement tasks. The rail improvements extend the track across the diversion channel intake structure, which will feature a bridge with a moveable span for canal maintenance and about 10,000 feet of new railroad track. The highway improvements will include a 2,300-foot-long structure composed of precast and cast in place concrete elements that will carry two lanes in each direction with shoulders and two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and relocated alignments of the rural divided highway to connect the existing highway to the new bridge structure.
07/15-Ongoing	**LADOTD (H.004273), I-49 Connector, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, Lafayette Parish, LA.** Project Manager, Leadership Team Member, and Railroad Coordination and Alignment Modifications Task Manager for the NEPA Supplemental EIS and Design of a 5-mile urban freeway corridor. The project includes a very elaborate Context Sensitive Solutions process that is occurring concurrently with the environmental process. The project includes a signature bridge, an urban master plan for local road and frontage road connections, implementation strategies and potential modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with underpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing at grade crossing with highway overpasses. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.

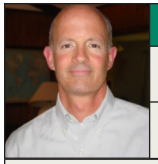
02/07-11/09	**City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane (LA 3246) Improvements (Highland Road to Perkins Road), Baton Rouge, LA.** Project Manager and Task Manager for the design of corridor improvements to Siegen Lane to upgrade the two lane suburban road to a four lane urban boulevard. Performed road geometrics, develop suggested sequence of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included an alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.
11/10-10/16	**New Orleans Regional Transit Authority, Loyola/Rampart Streetcar Rail Expansion, New Orleans LA.** Project Manager and Infrastructure Task Leader to prepare two sets of contract plans and specifications on an accelerated schedule to reconfigure the streetscape to include streetcar tracks in a shared traffic lane. Designed the roadway typical section in accordance with the City of New Orleans Complete Streets Ordinance. Led utility coordination effort and test hole program to locate all underground utilities to resolve utility conflicts. Led the road design, MOT during construction. Performed construction support services.
05/13-07/15	**LADOTD (H.001779), Red River Bridge at Jimmie Davis Highway (LA 511) Environmental Assessment, Bossier and Caddo Parishes, LA.** Lead roadway design engineer to design geometric layout alternatives to improve the capacity and accommodate pedestrian and bicycle access for the bridge crossing of the Red River along Jimmie Davis Highway. Tasks included the development of the purpose and need statement, the project design criteria, and the geometric alternatives of the bridge, interchange ramps on each side of the bridge, and roadway approaches. Developed a median U-turn concept for LA 511.
11/04-12/17	**LADOTD (State Highway Project No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA.** Deputy Project Manager and Project Engineer responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.
06/15-Ongoing	**LADOTD State Project No. H.004367.5: Route LA 3139, Earhart Expressway Extension to US 61, Jefferson Parish, LA.** Task Manager and Lead Roadway Engineer for the extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor in order to transition back to the current lane configuration at the west end of the project. Reviewed traffic report and participation in the environmental and public involvement tasks.

Firm	AECOM Technical Services, Inc.		
Name	David Wymore, PE	Years of Relevant Experience with this Employer	7
Title	Technical Advisors	Years of Relevant Experience with Other Employer(s)	12

Degree(s)/Years/Specialization			BS/2002/Civil Engineering
Active Registration Number/State/Expiration Date			PE.0043157/LA/3.31.25
Year Registered	2018	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			David will serve as Roadway/Plan Development Technical Advisor.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
12/18-05/19	**S.P. No. H.011670, I-10 to Loyola Dr. Interchange (Design Build), Tender Offer, Boh Bros, LADOTD, Jefferson Parish, LA.** Roadway Design Manager for a design build proposal to modify the I-10 interchange at Loyola Drive to provide direct access connector ramps for traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Led QC design team in review of proposal plans, proposal narrative, and ATC evaluations. Checked quantity takeoffs for consistency with plan set. Contributed to development of design build teams proposal narrative**.**
01/19-Ongoing	**Broadway St. Design-Build for Reconstruction of Main Lanes from Houston St. to IH 35, City of San Antonio, San Antonio, TX.** As Design Manager, oversaw the design of 1 miles of city street reconstruction. The reconstruction consisted of a complete replacement of the city street. The project consisted of reconstructing an existing 4-lane City of San Antonio street. The project included a complete street concept, side street parking, multiple utility relocates, ESA I&II, sidewalks traffic signals, and drainage improvements. He also managed 6 subconsultants.
08/14-12/16	**IH-10, PS&E, TxDOT, Sealy, TX.** As Project Manager, David oversaw the design of Segment 1 which is 3.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges. The project consisted of reconstructing an existing 4-lane main lane concrete pavement divided facility to a proposed 6-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, 2 frontage roads, 9 ramps, 2 cross streets and 4 bridges. He designed 11 mechanically stabilized earth (MSE) retaining walls. David designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane and frontage roads were maintained the full 24 months of construction. Oversaw the removal, drainage, signing, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates. He also managed 8 subconsultants.
12/10-04/12	**US 79, PS&E for Reconstruction of Two-Lane Roadway to Four-Lane Roadway, TxDOT, Houston, TX.** As Project Manager, prepared construction documents for widening an existing 2 lane undivided facility to four lanes with a continuous left turn lane for 1.4 miles and upgrading the existing 2 lane undivided facility to a four-lane divided facility for 2.9 miles. David used Geopak to develop the horizontal and vertical alignments. The project consisted of widening four existing culverts. He also developed a new drainage scheme to accommodate the additional impervious area. The project required the realignment of two County Roads.

08/06-06/10	**US 290 (Segment 4) PS&E, TxDOT, Houston, TX.** As Project Manager, oversaw the design of Segment 4 which is 2.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges and reconstructing an existing 8-lane main lane concrete pavement undivided facility to a proposed 10-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, 2 frontage roads, 6 ramps, 4 cross streets and 8 bridges. He designed 10 mechanically stabilized earth (MSE) retaining walls, 9 sound walls, and 4 pedestrian block walls. Designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane, frontage road, and HOV were maintained the full 38 months of construction. The project required the design of 3 diamond intersections and 13 high mast lights to be installed. Extensive grading was required for constructing 8 bridge header banks, 5 detention ponds totaling 140 acre-ft of storage and raising the existing frontage road up by 3 feet. Oversaw the quantities to include removal, drainage, signing, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates
06/11-02/12	**Gaines Road, Widen Intersection and Signal Improvements, Fort Bend County, Houston, TX.** As Project Manager, David prepared construction documents for widening the existing intersection along Gaines Road and installing a signalized intersection. David redesigned the existing open ditch to a closed storm sewer.
02/11-06/12	**South Mayde Creek, New Construction of Neighborhood Road, TxDOT, Houston, TX.** As Project Manager, David performed construction oversight for approximately 9,600 LF of 10-foot wide trail for pedestrian and bicycle use along South Mayde Creek. The trail is located along the north and south banks of the existing Harris County Flood Control District (HCFCD) drainage channel (South Mayde Creek) between Key Hole Lane and Heathergold Drive. A bridge connects the south and north trail segments across South Mayde Creek at Heathergold Drive, and there is one reinforced concrete box crossing and another bridge crossing at two tributary locations.
12/08-02/11	**PS&E for Widening of Main Lane and Bridges from Four Lanes to Eight Lanes, Sam Houston Tollway, Houston, TX.** As Project Engineer, David prepared construction documents for widening an existing 4 lane undivided facility for 2.8 miles. He used Geopak to develop the horizontal and vertical alignments for ramps with toll booths. He designed five mechanically stabilized earth (MSE) retaining walls. The project consisted of widening two existing bridges. One of the bridges was over Union Pacific Railroad which required rail road exhibits and coordination. He developed a new drainage scheme to accommodate the additional impervious area.
12/08-02/11	**CR 257, Reconstruction of Two-Lane Roadway Destroyed by a Hurricane, Brazoria County, Surf Side, TX.** As Project Engineer, David prepared construction documents for spot repairs and full roadway reconstruction from damage received by hurricane Ike for 9.7 miles. He used Geopak to develop horizontal and vertical alignments and cross sections.



Firm	AECOM Technical Services, Inc.		
Name	Ford Galtney, PE	Years of Relevant Experience with this Employer	24
Title	Prelim, Final Roadway Plans, Plan Development, Cost Estimates	Years of Relevant Experience with Other Employer(s)	12

Degree(s)/Years/Specialization			BS/1996/Civil Engineering
Active Registration Number/State/Expiration Date			PE.29031/LA
Year Registered	1997	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Ford will be supporting the Project Manager and other team members for Road Design Services During Env Process services under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/18 - 1/20	**I-49 Inner City Connector Shreveport.** Work involved serving as the design engineer on the Shreveport I-49 Inner City Connector concept for Alternate 1. The concept included elevated urban freeway segments and 2 interchanges and 2 connections to existing interchanges at I-20 and I-220 including proposed line and grade information for environmental impact evaluation
03/08 - 06/17	**LA DOTD, Traffic Engineering Development, Design Development Unit.** State Highway and other co-agency project reviews and design guidance through various stages to construction. Assist in development and interpretation of state guidelines to the transportation community.
03/02 - 03/04	**LA DOTD Juban Road Interchange at I-12, Livingston Parish, LA.** Work involved serving as DOTD design engineer for the Road Design Section in developing plans providing interstate access to I-12 from Juban Road in Livingston Parish. The work involved coordinating with various DOTD sections including planning, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget
05/06 - 03/08	**LA DOTD LA 70, Pierre Part, LA.** Work involved serving as the design engineer for the project to widen LA 70 from two to three lanes in Pierre Part, Assumption Parish, LA. This involved one mile of converting open ditches to subsurface drainage and adding a continuous center turn lane, curb and gutter, and sidewalks. The work involved coordinating with various DOTD sections including planning, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget
03/04 - 03/06	**LA DOTD US 190 Reconstruction LA 983 to LA 1.** Work involved serving as the design engineer for the project to reconstruct and widen 7 miles of US 190 to include a 50-foot median. The work involved coordinating with various DOTD sections including safety, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget.
03/06 - 03/08	**LA DOTD US 371 I-49 to LA 1.** Work involved serving as the design engineer supervisor for the project to extend US 371 from LA to I-49. This work included a new two-lane highway and widening and overlay of a section of existing LA 177 to become US 371. Additional work included environmental obstacles, minor rescoping of project limits, existing highway realignment, turn lanes, flood plain investigation, and changes to an existing railroad crossing.

06/96 - 06/98	**LA DOTD State Route in Laplace, LA.** Work involved serving as the design engineer for the project to convert US 61 to five lanes through Laplace, LA. This work included existing median removal, pavement widening, turn lanes, installation of side access control features, and asphalt overlay.
03/98 - 03/02	**LA DOTD LA 435 Bridges, St. Tammany Parish, LA.** Work involved serving as the design engineer for the project to replace three bridges with two bridges and a box culvert on LA 435 in St. Tammany Parish, LA. This included minor roadway realignment to ease constructability phasing, vertical alignment raising, and environmentally-sensitive wetlands.
03/00 - 03/02	**LA 16 Bridges, Washington Parish, LA.** Work involved serving as design engineer for the project to replace two bridges on LA 16 in Washington Parish, LA. This work included minor rescoping of project limits, split slab construction, temporary signals, and coordination of construction phasing to have both lanes open during the Parish fair.

Firm	AECOM Technical Services, Inc.		
Name	Sreeni Bollu, PE	Years of Relevant Experience with this Employer	1
Title	Task Lead - Hydrology Analysis Design	Years of Relevant Experience with Other Employer(s)	18

Degree(s)/Years/Specialization			MS/2003/Civil Engineering
Active Registration Number/State/Expiration Date			PE.0034330/LA/03.31.25
Year Registered	2009	Discipline	Civil Engineer
Active Registration Number/State/Expiration Date			26490/TX/03.31.2025
Year Registered	2017	Discipline	Civil Engineer
Active Registration Number/State/Expiration Date			92547/FL/02.28.2025
Year Registered	2021	Discipline	Civil Engineer
Contract Role(s)/Brief Description1 of Responsibilities			Sreeni is a civil engineer with over 18 years of experience in all phases of project development from conceptual design to construction management. He is in charge to lead the project to provide all engineering services necessary for the hydraulic analysis and design of drainage features on roadway construction projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
06/21-Ongoing	**Broadmoor Groups D & E (New Orleans Department of Public Works, New Orleans, LA).** Project Manager for the development of construction plan sets for reconstruction of multiple roadways in the Broadmoor neighborhood of New Orleans. The project will consist of full reconstruction of the roadways, replacement of all drainage and water lines, sidewalk replacement/repairs, and the installation of ADA ramps at all intersections. The project is currently in final design and will advance through Construction Administration.
06/21-Ongoing	**Milan Group A (New Orleans Department of Public Works, New Orleans, LA).** Project Manager for the development of construction plan sets for reconstruction/restoration of multiple roadways in the Milan neighborhood of New Orleans, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. The project is currently in Final design and will advance through Construction Administration and Resident Inspection.. .
06/21-Ongoing	**Jefferson Parish West Bank Program Management, Jefferson Parish, LA.** Project Manager assisting with the implementation of the West Bank projects for Jefferson Parish's Road Bond Improvement Program, which includes 70 roadway and bridge projects throughout Jefferson Parish. Mr. Bollu is responsible for the oversite of approximately 10-20 projects, including overseeing the design contractor's work, coordinating review with various Parish Departments, public and private utility companies, and other impacted agencies. Other responsibilities include review of plans and specifications submittal, scheduling, coordination for environmental clearances, right-of-way acquisition support, construction oversight, and project closeout.

06/21-Ongoing	**Mid-Barataria Diversion Design, (Coastal Protection and Restoration Authority (CPRA).** Project Engineering for the 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. Mr. Bollu assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.
02/20-05/21	**Lake Vista Group C and Group E, New Orleans, LA.** Project Engineer responsible for the design of concrete roadway re-design and replacement, subsurface drainage improvements, and water main improvements.
02/20-05/21	**East Bank Drainage Improvements, St. Charles Parish, LA.** Lead Hydraulic Engineer/Project Manager responsible for creating H&H models to evaluate flooding within the existing neighborhood, provide alternate solutions to alleviate flooding and develop a report with recommended solutions with cost estimates for 25yr and 100yr rainfall events for Montz: 1,635 acres drainage basin, Norco: 800 acres drainage basin, New Sarpy: 690 acres drainage basin, Ormond: 1,420 acres drainage basin.
08/12-01/20	**West Bank Hurricane Protection Levee System (WBHPL), St. Charles Parish, LA.** Project Manager responsible for coordination, preparation of plans and specifications, construction administration and resident inspection. This project is approximately a nine (9) mile levee where the alignment extends from the Sunset Levee District on the western flank to the Davis Pond Guide Levee to the east. This project consists of levees, drainage borrow canals, parallel access roads for levee maintenance, pump stations, tidal exchange structures, and concrete floodwalls (T-Walls) at multiple locations.
08/12-01/20	**Upper Barataria Risk Reduction (UBRR), Lafourche Basin Levee District, LA.** Project Manager responsible for coordination with the design team and regulatory agencies; design of the segment of the project (Segment 1, 2 4 & 5). The details of the project are: The Upper Barataria Risk Reduction project provides continuous hurricane and storm damage risk reduction from LA Hwy 308 in Lafourche Parish to the Davis Pond Freshwater Diversion West Guide Levee in St. Charles Parish, affording risk reduction benefits for the six parishes in the project area, including Ascension, Assumption, Lafourche, St. Charles, St. James, and St. John the Baptist. The UBRR project includes the construction and enlargement of approximately 33 miles of hurricane risk reduction between LA Hwy 308 on the western end and the Davis Pond Diversion West Guide Levee on the eastern end. The project includes earthen levees, a 270' steel barge swing gate floodgate in Bayou Des Allemonds, a steel roller gate across LA Hwy 306, tidal interchange structures, concrete T-wall floodwalls, and pump station frontal protection.
08/12-01/20	**Breaux Ditch Improvements - Jefferson Parish, LA.** Project Manager responsible for civil design and preparation of the drawings to replace the existing ditch with 8' wide x 4' deep reinforced concrete flume between East Ames Blvd. and Leo Kerner Pkwy. on the West bank of Jefferson Parish to provide improved maintenance and stability. The total project length is approximately 1500 feet

Firm	AECOM Technical Services, Inc.		
Name	Sarah McEwen, PE, CFM	Years of Relevant Experience with this Employer	5
Title	Hydrology Analysis and Design	Years of Relevant Experience with Other Employer(s)	9

Degree(s)/Years/Specialization			BS/2013/Civil Engineering
Active Registration Number/State/Expiration Date			PE.42539/LA/9.30.24
Year Registered	2018	Discipline	Civil Engineering
Active Registration Number/State/Expiration Date			CFM, US 14-07857
Year Registered	2015	Discipline	Certified Floodplain Manager Additional Certification: Bridge Inspector
Contract Role(s)/Brief Description of Responsibilities			Sarah is the Water Resource Manager of the Jackson, Mississippi AECOM Office. She has extensive experience with managing DOT related projects with respect to Bridge Hydraulics, Scour Evaluations, Internal Technical Reviews, and Roadway Hydraulics. On this projects she will provide engineering services necessary for the hydraulic analysis and design of drainage features on roadway construction projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/19-Ongoing	**Road and Bridge Improvements Wyldwood Road, Travis County, TX.** Project Engineer. Project engineer in charge of the hydrology and hydraulic evaluations for two bridge sites along Wyldwood Road in Travis County, Texas. The hydrology consisted of implementing the NOAA Atlas 14 rainfall procedure for the Slaughter Creek and Danz Creek watersheds to develop the 2, 10, and 25-year peak discharges as well as the ultimate condition for the 100-year event. The hydraulic modeling included developing the FEMA Corrected Effective hydraulic modeling in HEC-RAS with current LiDAR and survey information. Design alternatives that meet the county criteria were evaluated as proposed conditions for each design storm. Currently, serving as lead review of the preliminary and construction phases.
01/17-01/22	**Sasol Chemicals, (USA) LLC, Drainage Impact Analysis, Lake Charles, LA.** Project Manager and Hydraulic Engineer. Served as project engineer that updated the HEC-HMS, HEC-RAS model, and report with as-built information. Also analyzed the results of preconstruction to post construction hydrologic and hydraulic impacts on FEMA and other regulations. Ongoing work to update report with design conditions and constructed as-builts for purposed of submitting a LOMR to the parish for inclusion in the FEMA map revision.
01/17-12/17	**FEMA Hydrologic and Hydraulic Support Services, New Orleans, LA.** Hydraulic Engineer. General contract for support and served as the engineer in charge of review of engineering designs submitted for consideration of funding. Included review of geological, hydrologic, hydraulic, and groundwater design components for a site in New Orleans.

01/16-Ongoing	**MDOT, Scour Evaluations, Various Locations, MS.** Project Manager and Hydraulic Engineer. Led and completed the analysis for Phase I, II, III, and IV Scour Evaluations. For Phase I, data including all available historic bridge information, geotechnical, land use, stream conditions, and survey was collected to perform a geomorphic assessment. In Phase II, SRH2D was used to evaluate the riverine (with tidal boundary if appropriate and additional ADCIRC-SWAN for coastal scour) impacts for the appropriate AEPs. Scour analysis was conducted and compared with any observed scour to assess risk and develop the total scour profile. In Phase II, additional geotechnical boring information was collected to evaluate the structural stability with respect to scour. The critical scour elevation was found then compared to calculated and observed scour. Then if applicable a recommendation made to develop a Phase IV Plan of Action. During the POA, monitoring plans and detour routes were recommended and a completed FHWA POA draft submitted.
01/17-Ongoing	**CPRA, Mid-Barataria Sediment Diversion, Ironton, LA.** Project Engineer. Project Engineer in charge of coordination with subconsultants on weekly progress reports for submission to CPRA. Tasks include management and processing of data received from subconsultants. Other roles include reviewer of BODR report for technical approach and clarity. In addition, she led the scour evaluation of the bridge at a site with both riverine and coastal design factors evaluated for impact on the proposed structure including complex piers in a cohesive soil environment. Piers were evaluated using both HEC-18 and FLDOT methods due to the complex pier and cohesive soil conditions. A practical application of the scour methodology was used to replicate the most realistic scour conditions anticipated at the site.
01/18-Ongoing	**CPRA, Maurepas Swamp Engineering and Support Services, Garyville, LA.** Project Engineer. Project engineer in charge of reviewing existing XPSWMM subsurface modeling of local drainage in St. Johns Parish into Maurepas Swamp. The existing modeling was reviewed and converted into a PCSWMM model and updated with publicly available data for use in an evaluation of a diversion. Task include opening the existing model which was created in a version that is no longer recognized by current software, use and convert the available existing data in a new model, review for any land use or development changes, and develop a plan for necessary field data to be collected to finalize the updated existing conditions model. Tasks include evaluating the hydrologic routing around the proposed diversion, updating the HEC-RAS modeling, converting steady HEC-RAS into Unsteady, and designing hydraulic structures to ensure capacity throughout system to swamp.
01/17-01/18	**New Orleans Lakefront Airport Authority, Lakefront Airport 2D Subsurface Modeling, New Orleans, LA.** Hydraulic Engineer. General review and assistance on drainage design for the airport. As the project engineer work included using hydraulic software such as PCSWMM, to create hydraulic analysis of the pre- and post- conditions of site to drainage regulations.
01/17-01/19	**WR Grace Lake Charles Plant, Site Hydrology, Sulphur, LA.** Project Engineer. Performed hydrologic analysis for the refining facility using ArcGIS software and HEC-HMS. Analyzed various storm events and possible changes to site water treatment, storage, and discharge. As project engineer, she helped the client evaluate the hydraulic design submitted by another consultant for effectiveness with the site conditions. She became the Deputy Project Manager for a supplemental agreement to evaluate the subsurface and surface drainage systems and develop construction plans of a conveyance channel.

Firm	AECOM Technical Services, Inc.		
Name	Kordel Braley, PE, PTOE	Years of Relevant Experience with this Employer	2
Title	Traffic Control Design, Traffic Signal Analysis and Design	Years of Relevant Experience with Other Employer(s)	14

Degree(s)/Years/Specialization			MS/2007/Civil & Environmental Engineering/Brigham Young University
Active Registration Number/State/Expiration Date			7705675/UT/03.31.2025
Year Registered	2010	Discipline	Civil Engineer
Active Registration Number/State/Expiration Date			P-19035/ID/02.28.25
Year Registered	2019	Discipline	Civil Engineer
Active Registration Number/State/Expiration Date			134770/TX/03.31.25
Year Registered	2019	Discipline	Civil Engineer
Active Registration Number/State/Expiration Date			3173
Year Registered	2011	Discipline	Traffic Operations Engineer
Active Registration Number/State/Expiration Date			47329/LA/03.31.25
Year Registered	2022	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Kordel will be Traffic Control Design, Traffic Signal Analysis and Design engineer to support the roadway construction projects under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2018 - Ongoing	**LP 1604 and I-10 Schematic and IAJR, San Antonio, TX.** Kordel is the traffic lead for the development and calibration of a VISSIM model for over 20 miles of freeway and frontage road corridor in northern San Antonio. The model was used to evaluated numerous scenarios and to prepare a draft IAJR for the I-10 interchange area. The IAJR also included a detailed crash analysis and predictive safety analysis using ISATe. The IAJR was approved by FHWA in 2022. Kordel is now leading efforts to analyze dozens of traffic control plans for construction of this project ensuring safety of all modes.
2020 - Ongoing	**Oak Hill Parkway Design Build, Austin, TX.** Kordel is the lead traffic engineer for traffic analysis and has developed VISSIM models for Maintenance of Traffic (MOT) phases and steps for this freeway construction project converting an arterial to a grade-separated freeway. (
2019 - 2022	**I-35W at US 67 IAJR, Alvarado, TX.** Kordel was the traffic lead for the development of an IAJR for this project which improves safety and operations to I-35W near US 67 in Alvarado. The IAJR analyzes the impacts to mainlanes, frontage roads and frontage road cross streets both in terms of traffic operations but also safety. The IAJR was approved in 2022.
2020 - Ongoing	**Project Connect Orange Line, Capitol Metro, Austin, TX.** Capitol Metro, the transit authority in Austin, Texas, is constructing a new high-capacity transit line (LRT) through downtown Austin called the Orange Line. Kordel has provided QC on development of the VISSIM model for the Orange Line. The work to construct the existing model of the corridor has already been completed and delivered to the city. Upcoming work on the project will include modeling rail alignment alternatives, impacts to adjacent neighborhoods roadways, and mitigation alternatives to minimize those impacts.

2019 - Ongoing	**LP 1604 from FM 1346 to FM 1303, San Antonio, TX.** Lead traffic engineer including capacity analysis of segments and intersections using HCS and Synchro. Collected and processed traffic from active and passive sources. Developed traffic forecasts. Analyzed travel times, delay, and LOS. Supported design of signing and pavement marking. Performed traffic engineering at intersections. Supported environmental analysis and oversaw predictive safety analysis.
2020 - 2021	**200 South Transit Corridor, Salt Lake City, UT.** Kordel was the deputy PM and traffic engineering lead on the Salt Lake City 200 South Transit Corridor study which created concepts to prioritize transit and other modes along this important corridor in downtown Salt Lake City based on input from the community, stakeholders, and data driven analysis. Kordel also built VISSIM models to compare traffic metrics including transit travel time, LOS, and queuing for each concept at key intersections along the corridor. This project is currently in final design.
2014 - Ongoing	**Lehi City On-Call Traffic Engineering Support, Lehi, UT.** Kordel works with Lehi City on an on-call basis to provide traffic engineering support for it's Engineering and Public Works departments. Work tasks include traffic signal warrants, pedestrian studies, safe routes to school studies, and speed studies. One larger task order included identifying and prioritizing several gaps in pedestrian facilities in the northeast portion of Lehi. With the opening of a new high school, the city desired to improve conditions for pedestrians. In addition to making several recommendations for controlled and uncontrolled pedestrian crossings, Kordel also helped identify gaps in sidewalk facilities and developed a simple and transparent prioritization process to assist the City in completing these missing portions.
2020 - Ongoing	**Local Link Alternatives Analysis, Wasatch Front, UT.** Kordel is the deputy PM and lead traffic engineer for this alternatives analysis of transit along 1300 East and Highland Drive in Salt Lake City, Millcreek, and Holladay. Kordel's team has developed travel times and prepared ridership estimates for several options including LRT, BRT, Streetcar, and Enhanced Bus along two alignments.
2019 - Ongoing	**Davis-Salt Lake Community Connector Bus Rapid Transit Environmental Assessment, Davis and Salt Lake Counties, UT.** Kordel has assisted in the development of a VISSIM model in support of this EA for the Utah Transit Authority (UTA) which runs from Downtown Salt Lake City, UT to Woods Cross, UT. The Davis–Salt Lake traffic model includes more than 50 intersections and a train line. Kordel has also assisted with QC tasks and messaging if the traffic analysis to project stakeholders.
2018	**Tempe Street Car, Tempe, AZ.** AECOM led the field implementation of the Tempe Street Car, which included the development of signal timing plans. The Tempe Street Car includes approximately 3 miles of street car with shared-use lanes and center running track with two single track segments. The proposed street car will be off-wire for about 0.5 miles requiring signal timing that optimizes street car progression through that segment. Kordel assisted in the development of AM and mid-day VISSIM models and the development of the build models including the development of over 30 ring-barrier controllers with transit signal priority (2018).
2019 - 2020	**Ogden Bus Rapid Transit Final Design, Ogden, UT.** Kordel was the lead traffic engineer for final design of the Ogden BRT project. The 10-mile corridor was modeled using VISSIM including mixed-flow and exclusive bus lanes and transit signal priority (TSP).
2021	**Benefit-Cost Analysis for US 101/Hearn Avenue Interchange Project, Santa Rosa, CA.** Kordel was the lead traffic and safety engineer for the preparation of this report in support of the RAISE Funding Application. Kordel analyzed both traffic and safety data to quantify the economic benefit of adding vehicle, bike, and pedestrian capacity to the Hearn Avenue Interchange. The addition of capacity to a US 101 exit ramp was also considered as queued vehicles currently extend onto SB US 101. The analysis included both predictive safety analysis as well as the evaluation of crash modification factors (CMFs) from the Highway Safety Manual (HSM). Kordel also evaluated the benefits due to delay savings and air quality improvement in the region due to the proposed changes.

Firm	AECOM Technical Services, Inc.		
Name	Carlos Duran, PE, PTOE	Years of Relevant Experience with this Employer	12
Title	Transportation Management Plans/ Traffic Control Design, Traffic Signal Analysis and Design	Years of Relevant Experience with Other Employer(s)	3

Degree(s)/Years/Specialization			BS/Civil Enginering MS/Traffic Enginering
Active Registration Number/State/Expiration Date			125561/TX/12/23
Year Registered	2015	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Carlos will be the Transportation Management Plans and Traffic Signal Analysis and Design engineer to support Project Manager and other team member under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/20 - 09/21	**City of San Antonio, Broadway St and Avenue B - Roadway Design-Build, TxDOT San Antonio District, San Antonio, TX.** AECOM developed a completed set of construction documents for two major corridors inside the tourist and historical destination inside downtown San Antonio. The two corridors, Broadway St and Avenue B, which included 24 blocks in downtown, required a complete traffic signal design, roadway, pedestrian, cyclist, and landscape reconstruction. The Broadway St corridor had 11 new traffic signals, signing, pavement markings, street curb extensions, and accessible parking spot design. Avenue B corridor included the mill and overlay of the corridor, ADA ramp and sidewalk improvements, landscape design, NACTO two-way cyclist lanes corridor, side parking, signing, pavement marking, and traffic signal improvement to accommodate the cyclist lanes, pedestrians, and regular vehicular traffic.
10/21 - 09/22	**San Antonio Wrong Way Detection System along I-10, I-37, and Highway 410, TxDOT San Antonio, District.** Design, coordinate and implement of LED flashing wrong way detection system. The system included the implementation of radar sensors and confirmation cameras using the latest technology to detect wrong way drivers entering the major freeway ramps in San Antonio. The systems were designed as a stand-alone solar power system, at 31 locations, capable of sending an alert message to the San Antonio TxDOT and other Traffic Management Centers in the area. The project required coordination with the Federal Aviation Administration FAA to authorize the implementation of wrong-way equipment. Additional local coordination was needed with the transit authority VIA and school district to coordinate alternative routes during the project construction, which will require temporary ramp closure in their local operation routes in the San Antonio metro area.
05/22 - 09/22	**San Antonio Wrong Road-Side Units Wireless Communication, TxDOT San Antonio, District.** Design, and coordinate on the development of construction documents and estimates to install Road-Side Units (RSU) for the application of Connected and Automated Vehicle (CAV) technology. The systems were designed as a stand-along system at 108 locations statewide (11 locations in the San Antonio District). The RSU is a wireless communications device within a "connected vehicle" that will collect and send roadway information from the vehicles in which the 'on-board unit" at the vehicle, pedestrian, other transportation with this technology will transfers information to/from the roadside equipment (controller) and back to the Traffic Management Center. The project required extensive coordination with institutions in the San Antonio metro area.

01/22 - 09/22	**Slaughter Lane Corridor Improvements, City of Austin, Austin, TX.** Provided the complete PS&E of the traffic engineering design for the roadway improvements, including a share-use path and inclusive bike lane corridor. The project included signal updates and improvements at 24 intersections along the 4 miles of complete roadway improvements. The project included complete traffic signal improvements utilizing existing and/or new poles and mast arms. All ramp, sidewalk and pedestrian elements were upgraded to comply to ADA requirements. Extensive coordination was required with all utility companies to complete a design meeting all minimum utility requirements clearances simultaneously to fit the city's existing ROW limits
03/12 - 08/13	**ExxonMobil's campus Springwoods Master Plan Development and Traffic Impact Analysis, Houston, TX.** Mr. Duran serve as part of the team to conduct a traffic impact analysis for the proposed ExxonMobil's campus north of Houston which was planned to accommodate more than 10,000 employees and visitors. The campus located in Spring, Texas, on 385 wooded acres immediately to the west of Interstate Highway 45 (I-45), at the intersection of I-45 and the Hardy Toll Road, approximately 25 miles from downtown Houston. The analysis was used to determine the potential impacts to traffic operations in the vicinity of the proposed development during three different phases of the development. VISSIM models were develop for the analysis of multiple scenarios. Synchro models were also developed for the optimization of signal timing for the opening years. Internal trip reduction was also calculated for the different land uses of the project, and recommendations were provided for the major intersections.
11/19 - 09/22	**I-35 at Williams Drive, TxDOT Austin District, Austin, TX.** Design of 3.4 miles roadway corridor of traffic elements which included Road Weather Information Systems, Radar Vehicle Devices, CCTV, DMS, Wrong Way Detection. Development of communication diagram for both wireless & fiber optic cable connections. Design and quantify the use of Smart Work Zone (Queue Detection/incident detection/ speed monitoring). Currently overseen the Construction Phase which includes the review and approval of RFIs, Shop Drawing Reviews for the construction of the project.
09/13 - 02/14	**Country Club Roadway Reconstruction, El Paso, TX.** Mr. Duran team provided traffic engineering planning for the corridor of El Paso Country Club. The project included the preliminary alternative analysis at the major intersections along Country Club Road. The alternative evaluated included various combinations signalized and roundabout alternatives which were model VISSIM with the supporting data of synchro for the adjacent traffic signal of the project. The models also included at grade railroad which was included in the model for the analysis. The roundabout design was evaluated by capacity manually, using synchro and VISSIM to refine the design and prove the feasibility or a roundabout in the corridor.
06/14 - 02/17	**Border Highway Loop 375 ITS, Tolling, and Traffic Signal Design, El Paso, TX**. Prepared PS&E for new $476 million, nine-mile, four-lane design-build toll road project. Design the ITS fiber optic cable infrastructure and integration of the traffic management system installed on Loop 375 and connect to the TransVista Traffic Management System, design the tolling system underground infrastructure, traffic signal design, signing and striping design for this complex, fast-track project.
09/10 - 10/11	**Westside Master Plan Traffic Study, El Paso, TX.** Mr. Duran team evaluated and provided recommendations to the Loop highway 375 using the traffic projections for the project during various analysis years. The City of El Paso planned for the growth and roadway improvements along Loop 375 Freeway (Transmountain Road) in the northwest part of the city. The roadway improvements along Loop 375 included a full freeway with frontage roads from IH 10 to the Franklin Mountains Park boundary. The project included the development of the forecasted volumes in the northwest area for the year 2025 and provided a comparison and recommendations for two proposed freeway interchange alternatives at Loop 375. Several street grid scenarios within the area were considered. The traffic forecast was done using the TransCAD regional traffic forecasting model. Intersection analysis was done using Synchro.

Firm	AECOM Technical Services, Inc.		
Name	Ramya Rayapureddy	Years of Relevant Experience with this Employer	2
Title	Transportation Management Plans/Traffic Control Design, Traffic Signal Analysis and Design	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			MS / 2020 / Civil Engineering B.Tech. / 2015 / Civil Engineering
Active Registration Number/State/Expiration Date			LADOTD Traffic Process and Report Parts 1 and 2 (2021)
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Ramya will provide Transportation Management Plans and Traffic Control Design, Traffic Signal Analysis and Design support to provide engineering services necessary for the development of Transportation Management Plans and design and analysis of traffic control features on roadway construction projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/21–Ongoing	**City of Baton Rouge-Parish of East Baton Rouge, Jones Creek Road Extension 1A, Baton Rouge, LA.** Responsible for collecting traffic counts, geometric layout measurements and peak period observations at signalized and unsignalized intersections within the scope of the study. Coordinated with my team to make sure in getting quality counts while maintaining safety.
11/20–Ongoing	**City of Austin Crash Mapping Project.** Responsible for Crash investigation and crash mapping of five intersections based on impact type.
12/20–Ongoing	**City of Ketchum Fire Station Traffic Engineering Assistance – Modification 3**. Conducted research and extracted detailed information pertaining to the Emergency Vehicle warning systems, installation equipment and activation options. Coordinated with each of the vendors and requested general information of their systems.
11/20–Ongoing	**City of Dallas – McKinney/Cole Avenue – Two–way Conversion.** Responsible for review of the traffic impact studies along the corridor and developed traffic volumes from the base conditions. Collected aged data along the corridor and developed growth rates at each individual stations. Coordinated with the team in developing an aggregate growth rate.
08/18–08/20	**ALDOT for Unsignalized Type Configurations on Rural Divided Highways (Thesis).** Developed AL specific calibration factor for unsignalized intersections on rural divided highways. Calibrated safety performance functions (SPFs) and predicted crash frequency for recently modified intersections. Selection of appropriate crash modification factors (CMFs) for a specific countermeasure deployed at a treatment location.
01/19–04/19	**Atlanta Highway and Interchanges on I–85 at Exit 4 and Exit 6.** Conducted computer simulation of traffic operations using Highway Capacity Software (HCS), CORSIM, VISSIM and Synchro along the arterial to identify and resolve existing problems in traffic flow. Analyzed future conditions for 20 years by assuming traffic volume and built alternatives for future conditions. Developed VISSIM model to analyze existing and future conditions.
01/18–04/19	**Spatial Analysis of Locational Demographics with Intersection Crashes in Alabama, AL.** Performed spatial and statistical analysis of over 100,000 intersection related crashes from Alabama using ArcMap10.6 and excel to identify high crash locations and crash severity. Identified locational demographic factors and suggested measures to reduce crash rates based on regional and driver factors.

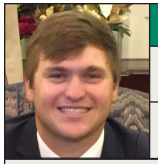
09/18–11/18	**College Street and Thach Avenue Intersection, Auburn, AL.** Conducted capacity and level of service (LOS) analysis of a signalized intersection in Auburn during the evening peak period using HCS 7. Suggested improvements in signal phasing which resulted a decrease in an overall delay of 15.5 seconds with a LOS of B for the intersection.
09/18–11/18	**Highway 84 E. Corridor Redevelopment Project Dothan, AL.** Analyzed Pedestrian and bicycle Level of service (LOS) for the existing conditions of the 4–mile corridor in Dothan. Proposed a transportation plan to improve biking, pedestrian safety, connectivity and suggested complete street transformation for Columbia highway.

Firm	AECOM Technical Services, Inc.		
Name	Bonnie Dial, PE, PTOE	Years of Relevant Experience with this Employer	15
Title	Traffic Control Design, Traffic Signal Analysis and Design	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			BS / 2006 / Civil Engineering
Active Registration Number/State/Expiration Date			#108550 / TX / 03/31/23 | PTOE 3577 / 11/23
Year Registered	2011	Discipline	Civil
Contract Role(s)/Brief Description of Responsibilities			Traffic Control Design, Traffic Signal Analysis and Design she will provide all engineering services necessary for the design and analysis of traffic control features on roadway construction projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/19 – 01/20	**Planning Level Traffic Impact Analysis, Confidential Client, Lake Charles, LA.** Project Manager. Responsible for the oversight of a planning level traffic impact analysis for traffic during construction of a new industrial facility. Using generalized criteria for similar types of roadways, the existing and expected arterial Level of Service (LOS) was analyzed and possible roadway network improvements were identified to determine the overall viability of the project.
03/19 – 09/20	**Port Arthur Traffic Impact Analysis (TIA), Bechtel, Port Arthur, TX.** Project Manager. Responsible for oversight of traffic impact analysis and traffic management plan preparation for a new Liquified Natural Gas (LNG) facility. This work included the results from two adjacent LNG projects under construction at the same time. Coordinated with Texas Department of Transportation (TxDOT) Beaumont District for approval of the TIA. Recommended improvements to SH 87 and SH 82 signing, striping, and existing traffic signal for improved operations.
01/19 – 03/21	**SH 146 at N Alexander Drive Traffic Signal Design, TxDOT (Houston District), Baytown, TX.** Prepared a traffic signal warrant study for the intersection of SH 146 at Alexander Drive that determined once the mainlane overpass is built, a traffic signal is no longer needed. Then, performed an all-way stop warrant and traffic signal design to convert the traffic signal to flashing all-way stop conditions until further study after construction. The controller needed to be relocated due to the location of the bridge columns, and the existing mast arms will remain to reduce construction cost.
03/19 – 12/19	**FM 1488 at Forest West and FM 1488 at Sweetgum Lane Traffic Signal Design, TxDOT (Houston District) Montgomery County, TX.** Project Manager. Responsible for the design two traffic signals along FM 1488 due to the growing drivers in the area. The design included mast arms, pedestrian crossings to align with the planned access management project. Included driveway relocation to align driveway with intersection, utility relocation to avoid mast arm location, designed conduits and pedestrian ramps to avoid existing cross drainage diagonal across intersection.
03/19 – 12/19	**FM 1488 Access Management Study, TxDOT, Montgomery County, TX.** Project Manager. Responsible for guiding short-, medium-, and long-term improvement solutions to enhance safety and mobility along the 14 mile corridor with 19 signalized intersections. Analyzed intersection LOS, crash history, and deficiencies as part of the existing conditions report. Conducted steering committee, stakeholder, and public meetings as part of the valuable public involvement process. Recommended access management solutions including raised medians with hooded left turn lanes, continuous green T intersection, bicycle connectivity through intersections, pedestrian crossings, and traffic signal improvements. Prepared construction cost estimates and Transportation Improvements Program (TIP) applications to request funding.

03/19 – 10/19	**Industrial Traffic Study, Confidential Client, Gregory, TX.** Project Manager. Responsible for the analysis of a large industrial facility with the primary goal to recommend roadway improvements for circulation of existing operations and future operations. Understanding project needs, collecting traffic count data, determining local growth rates, analyzing intersections in Synchro, analyzing freeways in Vissim, and preparing construction cost estimates. Close coordination was required with client and TxDOT to incorporate several planned improvements.
07/19 – 05/20	**IH 45 Reconstruction, TxDOT, Harris County, TX.** Traffic Task Lead. Responsible for design of signing, signals, pavement markings, high mast illumination, and ITS along IH 45 from south of the Texas City Terminal Railroad to north of the Galveston Causeway surrounding SH 6 intersection. Performed quality control for signing, pavement markings, and ITS. Led team to complete work on time, within budget, and to high quality emphasizing public safety.
02/18 – 10/18	**Industrial Traffic Study, Exxon Mobil GCGV, Gregory, TX.** Traffic Engineer. Responsible for analysis of a new large industrial facility required understanding the project needs to develop the study boundary, collecting traffic count data, generating anticipated vehicle trips, distributing trips through study boundary, analyzing intersections in Synchro software, analyzing freeways in Highway Capacity Software, and preparing cost estimates for the recommended and optional improvements. Close coordination was required with client and TxDOT to ensure vehicle trips were able to circulate most efficiently within the freeway and local roadway systems and to ensure the high impact, low cost recommendations met the purpose of the study. Preliminary construction cost estimates were provided to assist prioritizing the improvements.
01/18 – 12/18	**SH 3 Access Management Study, TxDOT. Harris County, TX.** Traffic Engineer. Responsible for short-, medium-, and long-term improvements to enhance safety and mobility along the 14 mile corridor with 24 signalized intersections. Prepared preliminary roadway improvements to add raised medians with hooded left turn lanes based on Synchro traffic analysis results, to add sidewalks for multimodal connectivity, and recommend traffic signal improvements. Presented recommendations to the steering committee and prepared visually effective public meeting materials.
01/17 – 12/17	**SH 105 Access Management Study, TxDOT, Montgomery County, TX.** Traffic Engineer. Responsible for the development of short term solutions for a 4 lane highway to be expanded to 6-lanes with a 28-ft median. The corridor has high speed limits, developing suburban area, high driveway density. The corridor has plenty of right-of-way for access management improvements. A cost estimate was also developed.
06/16 – 10/16	**Traffic Signalization of Hollyhock Road and Greenhouse Road, Harris County, Katy, TX.** Technical Lead. Responsible for the design of a new traffic signal, including providing engineering services for signing and striping, pedestrian facilities, and extending turn bays.

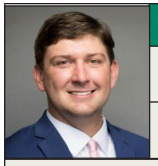


Firm	AECOM Technical Services, Inc.		
Name	Jonathan Giardina, EI	Years of Relevant Experience with this Employer	5
Title	Road Design Engineer	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			BS / 2019 / Civil Engineering
Active Registration Number/State/Expiration Date			EI.34290 / LA / 03/31/2024
Year Registered	2019	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Jonathan will be supporting the Project Manager and other team member to provide road design services under this contract

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/22 - Ongoing	**MDOT, US 49 – Orange Grove Blvd. to St. Charles St. Harrison County , MS.** The US 49 Project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage will be altered to collect the runoff from the new drainage patterns. Worked on geometric layout and design, CAD modeling, and design plan development.
09/20 – Ongoing	**Feasibility Study and Report / TEPR, College Drive, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** Roadway Design / CADD Design. Project aims to provide access management, signalization and capacity improvements along College Dr. RFP includes a flyover exit ramp from I-10 westbound Ramp to College Drive. Assisted with estimating costs of high-level design concepts utilizing the DOTD Bid Tab spreadsheet.
10/17 – 12/18	**S.P. No. H.011670: I-10 Design Build: Highland to LA 73, LADOTD, East Baton Rouge and Ascension Parishes.** Design Build Project including a six mile I-10 widening to 6 lanes, replacement of an existing highland road overpass, reconstruction of I-10 on either side of Highland Road Bridge Widening over Bayou Manchac, improvements to the Highland Rd and LA 73 Interchanges, and rehabilitation of the LA 928 Overpass and two mainline Box Culverts. Assisted with document control and invoice review.
01/21 – Ongoing	**East Baton Rouge Parish, MOVEBR Program, Airline Hwy. / Jones Creek Road TEPR Study, Baton Rouge, LA.** Traffic Engineering Process and Report for the proposed Jones Creek Road Extension that will connect Tiger Bend Road and Airline Highway. Assisted with existing intersection analysis, queue and unmet demand traffic counts along the corridor, and traffic study report.
06/18 – Ongoing	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, SPN BA-0153, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** Planning, engineering and design services ($1.5B CMAR Project) for the creation of the Mid-Barataria Sediment Diversion Channel to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with traffic report, roadway design calculations, guardrail design, plan checking, temporary traffic control planning and design, typical sections, geometric details, cost estimating, and plan development.

11/19 – Ongoing	**City of New Orleans Department of Public Works, Broadmoor Neighborhood Reconstruction, New Orleans, LA.** Project facilitates a complete reconstruction of 22 neighborhood blocks within the Broadmoor neighborhood in New Orleans. Reconstruction includes the roadway, concrete sidewalks, concrete curbs and/or gutters, driveway aprons, waterlines, and stormwater system and corresponding infrastructure. Assisted in preliminary design, design plan development, and client meetings.
08/17 – 09/19	**Port of New Orleans, Nashville Ave Wharf Improvements, New Orleans, LA.** The main improvements include upgrading the wharf deck to accommodate for larger rail-mounted cranes. Work includes designing a new rail and supporting crane beam and pilings, demolition and modification or portions of the existing dock, fender and mooring system improvements, and a new sheet pile toe wall along the face of the wharf. Assisted in waterline design, plan development, site visits, invoicing, and document control.
01/19 – Ongoing	**City of New Orleans Department of Public Works, Milan Group A, New Orleans, LA.** Project consisted of reconstruction/restoration of roadways in the Milan neighborhood, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. Assisted in the tabulation of quantities and development of cost estimates.
09/18 – 05/19	**Jefferson Parish Department of Public Works, Mounes Street Drainage Improvements, Jefferson Parish, LA.** The project consists of the design of traffic control plans and technical specifications for drainage improvements along Mounes Street. Assisted in temporary traffic control design and drafting of plans.
10/17 – 12/18	**Louisiana Department of Transportation, I-10 Design Build: Highland to LA 73, East Baton Rouge and Ascension Parishes.** Design Build Project including a six mile I-10 widening to 6 lanes, replacement of an existing highland road overpass, reconstruction of I-10 on either side of Highland Rd, Bridge Widening over Bayou Manchac, improvements to the Highland Rd and LA 73 Interchanges, and rehabilitation of the LA 928 Overpass and two mainline Box Culverts. Assisted with document control and invoice review and attended construction progress meetings.



Firm	AECOM Technical Services, Inc.		
Name	William Fullilove	Years of Relevant Experience with this Employer	1
Title	Roadway	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			BS / 2022 / Civil Engineering
Active Registration Number/State/Expiration Date			EI.0035203/LA/03.31.2025
Year Registered	2022	Discipline	Engineer Intern
Contract Role(s)/Brief Description of Responsibilities			Will is a Civil Engineering Intern with experience in technical development for transportation engineering projects. Tasks and project experience include roadway design, construction submittal reviews, design plan development, construction cost estimating, document control, and plan checking. William will be supporting the Project Manager and other team members to provide road design services under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
10/22 – Ongoing	**MDOT, US 49 – Orange Grove Blvd. to St. Charles St. Harrison County , MS.** The US 49 Project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage will be altered to collect the runoff from the new drainage patterns. Worked on design plan development and roadway design calculations for temporary traffic control.
09/14 – Ongoing	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, Maurepas Swamp Diversion, St. John the Baptist Parish, LA.** Planning, engineering and design services for the reconstruction of US 61 and Airline Rd. The roads will be created in conjunction with the diversion channel to reintroduce sediment and freshwater into Lake Maurepas from the Mississippi River. Assisted on plan development, cost estimation, roadway design calculations, and plan checking.
06/20 – Ongoing	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** Planning, engineering and design services ($1.5 Billion CMAR Project) for the creation of the Mid-Barataria Sediment Diversion Channel to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Worked on plan development, cost estimation, roadway design calculations, abutment design, and plan checking.
07/11 – Ongoing	**Feasibility Study and Report / TEPR, College Drive, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** Roadway Design / CADD Design. Project aims to provide access management, signalization and capacity improvements along College Dr. RFP includes a flyover exit ramp from I-10 westbound Ramp to College Drive. Assisted with collection of unit quantities and development of Microsoft PowerPoint slides.

Firm	AECOM Technical Services, Inc.		
Name	Corey Serignea	Years of Relevant Experience with this Employer	29
Title	Road Design Engineer	Years of Relevant Experience with Other Employer(s)	11

Degree(s)/Years/Specialization			Vocational Technical Certificates in Various Graphics/Drafting and Design Applications
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Corey will be supporting the Project Manager and other team members for Road Design Services under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2014 - 2017	**S.P. No. H.011489.5: Safety Studies Retainer Contract, Low Cost Safety Improvements, LADOTD, Statewide, LA.** CADD designer for the preparation of preparing Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of Louisiana. The tasks associated with this project include; site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes; a ball bank test, photo and an existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each curve location, preparing a letter size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan sheet, and preparing cost estimates for the safety countermeasures. After the completion of each letter size plan sets, a meeting will be held with each District to discuss the countermeasures.
2010 - 2012	**S.P. No. 700-92-0024: I-49 South, 11 Stage 0 Interim Improvements for Safety and Efficiency, Wax Lake Outlet to Berwick, LADOTD, St. Mary Parish, LA.** Lead CADD designer assigned to this project. The goal of the project was to identify improvements in the US 90 / I-49 corridor between Wax Lake and Berwick that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Responsibilities include geometric design (horizontal and vertical) for Line/Grade Conceptual Drawings, analyzing and proposing several alignments.
06/18 – Ongoing	**Coastal Protection and Restoration Authority, Station Project No. BA-0153: Mid Barataria Sediment Diversion, Plaquemines Parish, LA.** CAD designer performed 3D modeling using Inroads to develop plan, profile, and typical sections for the relocation of LA23 across the proposed Mid Barataria Sediment Diversion Channel.
06/21-Ongoing	**City of Baton Rouge/Parish of East Baton Rouge, College Drive Enhancements, Baton Rouge, LA.** CAD Designer to provide capacity and safety enhancements to the College Drive corridor. Developed plan and profile views of multiple alternatives of road improvements to support the design study. Future tasks include preliminary and final plans of the selected improvements.
2007 - 2009	**S.P. No. 817-40-0008: Siegen Lane Improvements (Highland Rd. to 650' south of Perkins Rd.), LADOTD and the City of Baton Rouge Dept. of Public Works, Baton Rouge, LA.** CADD designer responsible for the development of design drawings for the construction of a four-lane divided roadway to replace the existing two-lane road. Responsibilities include design horizontal and vertical geometry of the new roadway.

2012	**S.P. No. H.009998.1: Safety Retainer Contract LA 935 Feasibility Study, LADOTD, Ascension Parish, LA.** CADD designer for Stage 0 feasibility study in accordance with the results of the Roadway Safety Assessment (RSA). The study area is approximately a 4 mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish. From the RSA three proposed alternatives were to be considered for a Stage 0.
2010 - 2012	**S.P. No. 700-92-0024: I-49 South, 23 Stage 0 Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, LADOTD, Lafourche, St. Charles, and Jefferson Parishes, LA.** Lead CADD designer assigned to this project. The goal of the project was to identify improvements in the US 90 / I-49 corridor between Raceland and the Westbank Expressway that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Responsibilities include geometric design (horizontal and vertical) for Line/Grade Conceptual Drawings, analyzing and proposing several alignments.
2016 - 2017	**LADOTD Safety Studies Retainer Contract, US 190 Barrier Feasibility Study, St. Tammany Parish, LA.** CADD designer for the study of a median barrier within the limits of an existing structure on LA 22. Tasks within this study include existing data collection, geometric layout analysis, safety analysis, field review, bridge rating and structural analysis. A comprehensive report detailing findings of existing conditions, preliminary plans of a preferred alternative for a barrier system on an existing structure, and a safety analysis of the barrier system.

Firm	AECOM Technical Services, Inc.		
Name	Oscar Aliva	Years of Relevant Experience with this Employer	24
Title	Road Design Engineer	Years of Relevant Experience with Other Employer(s)	12

Degree(s)/Years/Specialization			Engineering Graphics & Architectural Design
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Oscar will be supporting the Project Manager and other team members for Road Design Services During Env Process services under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/13-07/15	**S.P. No. H.001779.5: Red River Bridge at Jimmie Davis Highway (LA 511) EA, LADOTD, Bossier and Caddo Parishes, LA.** The project consists of providing all necessary engineering and related services required to prepare a Supplemental Environmental Assessment (SEA) in accordance with the National Environmental Policy Act (NEPA), as amended, and the Federal Highway Administration's regulations and guidelines. Responsible for geometric design (horizontal and vertical) of at-grade and elevated structures, as well as organizing, preparing and producing deliverable sets of plans and exhibits for the report and for public meetings.
10/00-10/05	**S.P. No. H.004273.5, I-49 South Lafayette Regional Airport to LA 88 EIS, LADOTD, Iberia, Lafayette, and St. Martin Parishes, LA.** Responsible for creating 3D models of several bridge alternatives, assisting on bridge quantity calculations, and creating project corridor rolls.
09/17-10/18	**St. Bernard Port & Terminal Intersection Improvement, Chalmette, LA.** Responsible for developing 3D model of the proposed roadway and will also prepare Cross Section, Plan and Profile, Detour Plans and Typical Sections.
12/15-08/16	**Mississippi Department of Transportation (MDOT), SR 172 at Little Yellow Creek and Ellington Branch (Bridge Nos. 0.9), Tishomingo County, MS.** AECOM will prepare Phase A Preliminary roadway plans for the bridge replacement at Little Yellow Creek (Bridge No. 0.9) and Ellington Branch (Bridge No. 2.3) on SR 172. The Phase A Roadway plans shall be developed based upon replacing bridges via road closures. Roadway plans shall conform to Roadway Design Division's CADD specifications as described in Roadway Design Division's CADD USER'S MANUAL. Oscar is responsible for developing a 3D model from DTM of the proposed roadway and bridges, and will also prepare cross section, plan and profile, detour plans, and typical sections.
12/15-08/16	**MDOT SR 182 Over Vernon Branch (Bridge No. 178.6), Lowndes County, MS.** AECOM prepared Phase A Preliminary roadway plans for the bridge replacement at Vernon Branch (Bridge No. 178.6) on SR 182. The Phase A roadway plans were developed based upon replacing bridges via road closures. Oscar is responsible for developing a 3D model of the proposed roadway and bridge from DTM, and will also prepare cross section, plan and profile, detour plans, and typical sections.
2016 - Ongoing	**Coastal Protection and Restoration Authority, Station Project No. BA-0153: Mid Barataria Sediment Diversion, Plaquemines Parish, LA.** CAD designer performed 3D modeling using Inroads to develop plan, profile, and typical sections for the relocation of LA23 across the proposed Mid Barataria Sediment Diversion Channel.

Firm	AECOM Technical Services, Inc.		
Name	Peter Bakhit, PhD, PE	Years of Relevant Experience with this Employer	<1
Title	Traffic Engineer	Years of Relevant Experience with Other Employer(s)	4

Degree(s)/Years/Specialization			PhD / 2018 / Civil Engineering, Louisiana State University MS / 2015 / Civil Engineering, Cairo University BS / 2012 / Civil Engineering, Cairo University
Active Registration Number/State/Expiration Date			PE.051875 / NC / Exp. 12/2022; PE.143705 / NC / Exp. 12/2022
Year Registered	2021	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Peter will be supporting the Project Manager and other team members for Road Design Services During Env Process services under this contract.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/19 - 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.
04/18 – 05/19	**Freeval Lane Closure Analysis: Major Metropolitan Areas, LADOTD, Baton Rouge, Louisiana.** Responsible for developing and calibrating the FREEVAL models for multiple freeway corridors in New Orleans, and Baton Rouge. This project aimed to provide a tool to analyse different lane closure scenarios for the interstate freeways in major metropolitan areas of Louisiana.
06/19 – 12/19	**US 61 Corridor Study (Airline Hwy), LADOTD, Baton Rouge, Louisiana.** Traffic Analyst. Responsible for the corridor safety analysis. The purpose of the study is to assess traffic operations and potential safety improvements for this urban, 4-lane divided highway. Scope of services include existing traffic data collection and analyses, safety data analyses, future traffic projections considering corridor growth rates, assessment of access management improvements (implementing "Superstreet" concept), and evaluation of concept using HCM methodologies.
07/13 – 12/15	**Development of an Optimal Ramp Metering Control Strategy For I-12, LADOTD, Baton Rouge, Louisiana.** Responsible for developing different traffic VISSIM models with various ramp metering plans. The purpose of the study is to evaluate different ramp metering strategies to identify the optimal algorithm that can improve traffic operations on I-12.
04/18 – 02/20	**I-10 (LA 73 to LA 429) Ascension Parish IMR & IJR Study, LADOTD, Ascension Parish, Louisiana.** Transportation Engineer. Providing technical support for various tasks including data collection, development of build alternatives through a tiered analysis, and conceptual drawings of critical roadway geometry. The purpose of the project is to evaluate improvements to an existing interchange and configuration of two new interchanges along I-10 in Ascension Parish.
11/20 - Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** Traffic Engineer: Responsible for wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment

Firm	Buchart Horn		
Name	Kevin J. Gaspard, PE.	Years of Relevant Experience with this Employer	3
Title	Subconsultant Design Technical Lead	Years of Relevant Experience with Other Employer(s)	36

Degree(s)/Years/Specialization			BS / 1984 / Civil Engineering, Louisiana State University
Active Registration Number/State/Expiration Date			PE.0023835 / LA / Exp. 03/2023;
Year Registered	1990	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Project Manager

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/21 – Ongoing	**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection.
04/21 – Ongoing	**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.
03/20 – Ongoing	**Citrus Boulevard Improvements Traffic Engineering, Jefferson Parish, LA.** BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection. Plans provided to Jefferson Parish consisted of a traffic signal layout, including a phasing, signal wiring, an electrical schedule, signal head types, and sign layouts. Existing signal equipment in the field was inventoried and coordinated with the parish to determine best means of utilizing existing equipment.
03/20 – Ongoing	**I-110 at Terrace Avenue Ramp Modification Construction Services, LADOTD, Baton Rouge, LA.** BH designed street lighting associated with the construction of a new off-ramp from I-110 in Baton Rouge and is now providing construction administration services for the portion of the project designed by us. Services to be performed by BH include review contractor electrical submittals, attending periodic meetings, providing electrical as built plans and O&M manual, and providing an Arc-flash report. DOTD will provide inspection services for the ramp reconstruction and improvements.

01/21 – Ongoing	**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.
10/20 – Ongoing	**On-Call Contract for Electrical Services, LADOTD, Statewide, LA.** Five-year contract providing as-needed electrical engineering services. Services may include but are not limited to highway lighting, navigational lighting, mechanical/electrical design and other related electrical work.
10/20 – Ongoing	**US 165 Roadway Lighting, LADOTD, Monroe, LA.** BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines.
08/20 – 08/21	**West Metairie Avenue Restoration, Infinity Engineering Consultants, Jefferson Parish, LA.** Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization.
06/20 – Ongoing	**New Lighting Construction Services, I-55 at LA 22 Interchange, LADOTD, Ponchatoula, LA.** Project Manager. BH is providing construction management services for installation of new highway lighting at the I-55 and LA 22 interchange. Lighting includes high-mast and pole-mounted lights. Lighting is LED and will have smart intelligence to monitor lights. Construction inspection services will be performed by a subconsultant.
06/20 – Ongoing	**West Bank Group B Street Improvements, City of New Orleans DPW, Algiers, LA.** Project Manager. BH is developing preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements will include mill and overlay with full depth patching; other incidental road repairs will be required in certain sections of the project area. Following design, construction administration and resident inspection services will be provided during construction of the project.
06/20 – Ongoing	**Harrison Avenue Improvements Design, Phase I, St. Tammany Parish, Covington, LA.** Project Manager. Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage.

Firm	Buchart Horn		
Name	James Q. Dickerson, III, PE, PS	Years of Relevant Experience with this Employer	15
Title	Vice President –Southern Transportation Operations	Years of Relevant Experience with Other Employer(s)	33

Degree(s)/Years/Specialization			BS / 1974 / Civil Engineering, University of Mississippi
Active Registration Number/State/Expiration Date			07586 / MS / Exp. 12/2023; PE.0038922 / LA / Exp. 09/2024 PLS-02132 / MS / Exp. 12/2023
Year Registered	1979	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Principal-in-Charge and QA/QC

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/14 – 09/17	**LA 19 Widening (LA 64 to Sunset Boulevard), Feasibility and Planning Study, LADOTD, Baton Rouge, LA.** Principal-in-Charge with quality control oversight. BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard.
12/15 – 01/21	**US 167 Feasibility and Planning Study, Elsie Street to Gilbert Drive, LADOTD, Ville Platte, LA.** BH is preparing a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates will be prepared. Principal-in-Charge with quality control oversight.
07/17 – 08/18	**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** Principal-in-Charge with quality control oversight. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, SUE, and construction engineering and inspection.
07/17 – 07/20	**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** Principal-in-Charge with quality control oversight. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations.
04/19 – 08/19	**Citrus Boulevard Improvements Traffic Engineering, Jefferson Parish, LA.** Principal-in-Charge with quality control oversight. BH provided traffic engineering and related services for upgrades of two intersections along Citrus Boulevard, in conjunction with roadway improvements, to accommodate the installation of a left turn lane, as well as removal and replacement of detection loops. The project included minor improvements at two intersections: Modification of a traffic signal due to the addition of left turn movement at Edwards Avenue and Citrus Boulevard and removal and replacement of loops at Dickory Avenue and Citrus Boulevard intersection.
12/15 – 12/20	**Retainer Contract for Feasibility and Planning Studies, LADOTD, Statewide, LA.** Principal-in-Charge with quality control oversight. Five-year retainer contract to perform feasibility and planning studies for various transportation projects throughout Louisiana. BH has previously been awarded several similar contracts. Work will be assigned by task order over the life of the contract.

07/17 – Ongoing	**LA 3040 Corridor Improvements Study, LADOTD, Houma, LA.** Principal-in-Charge with quality control oversight. BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered.
05/21 – Ongoing	**Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA.** Principal-in-Charge with quality control oversight. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive.
04/13 – Ongoing	**US 84 Improvements, LADOTD, Winnfield, LA.** Principal-in-Charge with quality control oversight. Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies.
03/19 – Ongoing	**LA 117 from LA 8 to LA 118 Feasibility and Planning Study and Environmental Inventory, LADOTD, Leesville, LA.** Principal-in-Charge with quality control oversight. BH performed a Feasibility and Planning Study (referred to by the LADOTD as a "Stage 0" study) for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared.
03/19 – 02/20	**LA 429 Connector Feasibility and Planning Study, LADOTD, Ascension Parish, LA.** Principal-in-Charge with quality control oversight. BH prepared a Feasibility and Planning Study to evaluate alignments for a limited-access corridor (LA 429) in the vicinity of I-10, between LA 30, LA 73, and US 61 in Ascension Parish, LA. The purpose of the new LA 429 connector road is to create another route for motorists to travel from LA 30 to US 61, decreasing travel time along existing corridors. Two alternatives for the widening and reconstruction of LA 429 will be evaluated. The scope consists of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report.

Firm	Buchart Horn		
Name	Caldwell (Cal) P. Joy, PE	Years of Relevant Experience with this Employer	2
Title	Senior Transportation Engineer	Years of Relevant Experience with Other Employer(s)	8

Degree(s)/Years/Specialization			BS / 2012 / Civil Engineering, University of Alabama
Active Registration Number/State/Expiration Date			PE.0043830 / LA / Exp. 03/2024
Year Registered	1979	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Roadway Design, Maintenance & Protection of Traffic

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/21 – Ongoing	**Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA.** Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10.
06/21 – 09/21	**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** This intersection historically involved high frequency and high severity crashes. This project is funded through the MoveAscension Initiative and addresses traffic mobility and safety issues. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. This local roadway intersects a state route, resulting in LADOTD project permit requirements. The design will comply with state and federal guidelines and receive LADOTD review and approval.
03/21 – 06/21	**LA 3040 Corridor Improvements Study, LADOTD, Houma, LA.** BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered.
06/21 – 09/21	**Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA.** Project Manager. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive.
02/21 – 07/21	**US 84 Improvements, LADOTD, Winnfield, LA.** Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies.
02/21 – 02/21	**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.
03/21 – 10/21	**Retainer Contract for Safety Studies, LADOTD, Statewide.** BH was awarded a five-year retainer contract for planning studies. Tasks will include Feasibility and Planning studies (referred to by the LADOTD as "Stage 0" Studies), road safety studies, preliminary and final road design plan development, specifications, and engineers' estimates for low-cost safety improvements, safety effectiveness evaluations, crash evaluations, and traffic analysis.

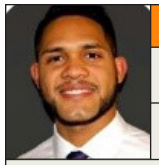
08/21 – 09/21	**West Metairie Avenue Restoration, Infinity Engineering Consultants/Jefferson Parish, LA.** Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization.
02/17 – 09/20	**Endom Bridge Approach Realignment, Ouachita Parish, Safe Routes to Schools/Local Road Safety Program in West Monroe, LA.** This intersection at Endom Bridge had some serious sight distance issues and safety concerns coming off the bridge, as well as, high pedestrian volume in the area. The improvements made was an intersection realignment for better sight distance, allowing trucks to make adequate turning movements off the bridge, and safely transporting pedestrians off the bridge and into the neighborhoods.
11/17 – 06/19	**Ouachita Par. Police Jury Sidewalks, Ouachita Parish, Safe Routes to Schools/Local Road Safety Program in West Monroe, LA.** This project involved constructing sidewalk around three schools: Riser Elementary, Shady Grove Elementary, and Jack Hayes Elementary. Approximately 2.3miles of sidewalk needed updating. A new redesign of all current sidewalks out there was needed to meet current LADOTD standards and help safely transport pedestrians. Updated widths, slopes, lengths, drainage, and driveways were all need to successfully complete this project. Construction support was also supplied on this project for the contractor. SRTS/LRSP – TO#14 Farmerville Sidewalk
04/18 – 09/19	**Town of Farmerville Sidewalks, Union Parish, Safe Routes to Public Places Program in Farmerville, LA.** This project was a set of two sections of sidewalks. One was to help transport pedestrians to the local school and the other was to help transport pedestrians to the library. Approximately 1.14 miles of sidewalk needed updating or newly constructed so they met current LADOTD standards and help safely transport pedestrians. Updated widths, slopes, lengths, drainage, and driveways were all need to successfully complete this project. Construction support was also supplied on this project for the contractor.

Firm	Buchart Horn		
Name	Joseph F. Mingo, PE	Years of Relevant Experience with this Employer	8
Title	Civil Engineer	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			BS / 2014 / Civil Engineering, Louisiana State University
Active Registration Number/State/Expiration Date			PE.0043700 / LA / Exp. 03/2024
Year Registered	2019	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Roadway Design

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/15 – 03/17	**LA 19 Widening (LA 64 to Sunset Boulevard), Feasibility and Planning Study, LADOTD, Baton Rouge, LA.** BH prepared a Feasibility and Planning Study and Environmental Inventory according to the LADOTD Manual of Standard Practice to evaluate the feasibility of widening 1.4 miles of LA 19 from LA 64 to Sunset Boulevard per the Cooperative Endeavor Agreement (CEA) between LADOTD and the City of Zachary. An additional cost estimate was developed at the request of the client for the widening of LA 19 from LA 64 to Montegudo Boulevard. Project Designer responsible for alternative development, crash and safety analysis, environmental documentation, report preparation, and cost estimation.
06/19 – 02/21	**US 167 Feasibility and Planning Study, Elsie Street to Gilbert Drive, LADOTD, Ville Platte, LA.** BH prepared a feasibility and planning study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared. Project Engineer responsible for CATscan safety analysis.
10/17 – 09/21	**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection. Project Designer Project Engineer responsible for using MicroStation and InRoads to design and prepare plans for a single-lane roundabout as a part of the MoveAscension initiative, using LADOTD HYDR programs and InRoads Storm & Sanitary to design the subsurface drainage, and coordinating with the client to incorporate any wants and concerns.
08/18 – 09/21	**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. Project Engineer responsible for preparing 30% design plans and other documents for submittal at various stages of the project.
09/17 – 02/21	**Retainer Contract for Feasibility and Planning Studies, LADOTD, Statewide, LA.** Five-year retainer contract to perform feasibility and planning studies for various transportation projects throughout Louisiana. BH has previously been awarded several similar contracts. Work will be assigned by task order over the life of the contract. Project Designer responsible for preparing exhibits for task order discussion.
11/18 – 04/21	**LA 3040 Corridor Improvements Study, LADOTD, Houma, LA.** BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Project Designer responsible for performing peak period observations in the field and safety analysis using CATScan.

06/21 – 08/21	**Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA.** BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive.
06/14 – 07/20	**US 84 Improvements, LADOTD, Winnfield, LA.** Performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. Project Designer responsible for report preparation.
03/19 – 06/20	**LA 117 from LA 8 to LA 118 Feasibility and Planning Study and Environmental Inventory, LADOTD, Leesville, LA.** BH performed a Feasibility and Planning Study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study compared correcting vertical and horizontal geometry along with adding shoulders to adding passing lanes and turn lanes at strategic locations. Environmental impacts and cost estimates were prepared. Project Designer responsible for assisting with concept development and project exhibits.
03/19 – 09/20	**LA 429 Connector Feasibility and Planning Study, LADOTD, Ascension Parish, LA.** BH prepared a Feasibility and Planning Study to evaluate alignments for a limited-access corridor (LA 429) in the vicinity of I-10, between LA 30, LA 73, and US 61 in Ascension Parish, LA. The scope consists of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report.
08/15 – 07/20	**Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA.** Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Project Designer responsible for meeting materials, report preparation, and cost estimation.



Firm	Buchart Horn		
Name	Hugo A. Leiva, EI, Civil EIT	Years of Relevant Experience with this Employer	2
Title	Civil Engineer-in-Training	Years of Relevant Experience with Other Employer(s)	3

Degree(s)/Years/Specialization			BS /2018/Civil Engineering/Louisiana State University
Active Registration Number/State/Expiration Date			Engineer Intern: LA, OSHA 10-hour Construction Safety & Health
Year Registered	2019	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Roadway Design

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20 – Ongoing	**Harrison Avenue Improvements Design, St. Tammany Parish, Covington, LA.** Engineer Intern/Engineer-in-Training. Conducted a feasibility study and subsequent design and construction management of recommended improvements. Our staff evaluated two proposed alternates for the reconstruction of Harrison Avenue and is now providing design services for the selected concept – a two-lane roadway with raised median, sidewalks, and subsurface drainage.
12/20 - Ongoing	**West Bank Group B Street Improvements, City of New Orleans, LA.** Engineer Intern/Engineer-in-Training. BH is developing preliminary and final design plans for a designated list of streets to be enhanced in the West Bank regional area of New Orleans. The primary enhancements will include mill and overlay with full depth patching; other incidental road repairs will be required in certain sections of the project area. Following design, construction administration and resident inspection services will be provided during construction of the project.
01/21 – Ongoing	**LA 1/LA 415 Connector Study, LADOTD, Port Allen, LA.** Engineer Intern/Engineer-in-Training. BH is performing a preliminary study to evaluate roadway lighting for a new roadway connecting I-10 to LA 1 in West Baton Rouge Parish. The study will also evaluate navigational lighting for the new bridge over the intercoastal waterway. Following the preliminary study, final design will be performed by supplemental agreement.
06/21 – 12/21	**Safety Studies for US 61 from Cardinal Drive to Bert Street, LADOTD, LaPlace, LA.** Engineer Intern/Engineer-in-Training. BH performed a study to identify safety issues along approximately three miles of Airline Highway (US 61) in Laplace, LA and evaluate reasonable alternatives to address the issue(s). The approximate intersection termini are Bert Street and Cardinal Drive.
10/20 – 11/20	**New Roundabout, Parish Road 929 at Parker Road, Ascension Parish, Prairieville, LA.** D Engineer Intern/Engineer-in-Training. Design of a single-lane asphalt roundabout at the intersection of Parish Road 929 and Parker Road to replace the existing stop-controlled intersection. Services include topographic survey, preliminary and final roundabout plans and specifications, right of way maps, subsurface utility engineering (SUE), and construction engineering and inspection.
03/21 – 09/21	**LA 3040 Corridor Improvements Study, LADOTD, Houma, LA.** BH performed a study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Engineer Intern/Engineer-in-Training

10/20 – 09/21	**Move Ascension Roadway Design Services, Ascension Parish, LA.** On-call contract to provide professional engineering design and related services for the Move Ascension Parish Program initiative. LADOTD standards, references, manuals, quality control, and format requirements are required for all projects. The general scope for task orders may include any of the following: topographic survey, preliminary roadway plans, preliminary bridge plans, final plans, geotechnical investigation, subsurface utility engineering (SUE), right-of-way maps, construction engineering and inspection (CE&I), bidding, value engineering studies, permit sketches, and Stage 0 feasibility studies. Engineer Intern/Engineer-in-Training
08/21 – 09/21	**West Metairie Avenue Restoration, Infinity Engineering Consultants/Jefferson Parish, LA.** Provided condition assessment, design, and construction documentation for the replacement of failed concrete panels, drainage structure repairs, and canal banks slope stabilization. Engineer Intern/Engineer-in-Training

Firm	Buchart Horn		
Name	John L. Mettille, Jr.	Years of Relevant Experience with this Employer	5
Title	Senior Environmental Engineer	Years of Relevant Experience with Other Employer(s)	40

Degree(s)/Years/Specialization			MA / 1977 / Transportation and Urban Geography, Kansas State University; BS / 1978 / Geography and Political Science, University of Wisconsin-La Crosse
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Stage-0, Environmental, QA/QC, and Technical Advisor

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/18 – 08/18	**Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA.** Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Environmental QA/QC Manager responsible for providing technical oversight on the preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10.
1977 - 2005	**Kentucky Transportation Cabinet (KYTC)'s Division of Environmental Analysis: Served in the following positions:** Chief Environmental Program Administrator (CEPA) while Deputy Executive Director of the Office of Project Development; Director, Assistant Director, Branch Manager and other positions in the Division of Environmental Analysis. Highlights from his career include: • Served as KYTC's NEPA, Socio-Economic, Community Impact Assessment (CIA), Environmental Justice, and Section 106 process expert. • For over 15 years, he managed the cultural resources staff field investigations, Section 106 report preparations and facilitated many of KYTC's controversial Section 106 consulting party meetings. • Served as the KYTC's environmental lead for the NEPA and Section 106 processes of the Louisville Southern Indiana Ohio River Bridges Mega Project. • Assisted in the development and presentation of Context Sensitive Solutions (CSS) training courses and workshops. • Assisted the Secretary in the Cabinet's environmental stewardship culture change. • Developed and presented the KYTC Environmental Leadership training course. • Developed KYTC's first Cabinet wide environmental policy. • Developed and conducted training on the Cabinet's commitment tracking tool, the "CAP" (Communicating All Promises). • Developed and presented training on the FHWA/KYTC Section 106 Streamlining Agreement. • Developed and implemented a Categorical Exclusion Programmatic Agreement with FHWA.

2005 - 2014	**CDM Smith, Lexington, KY** Group Leader and Highway/Bridges Environmental Leader; oversaw environmental projects and tasks nationwide, often serving as an environmental quality control task manager or a technical resource for environmental, planning, community and Section 106 issues.
2015 - 2017	**Michael Baker International, Louisville, KY.** Oversaw environmental projects and tasks nationwide, often serving as an environmental quality control task manager or a technical resource for environmental, planning, community and Section 106 issues.

Firm	Buchart Horn		
Name	Sherry L. Wolfe, PE	Years of Relevant Experience with this Employer	15
Title	Senior Electrical Engineer	Years of Relevant Experience with Other Employer(s)	25

Degree(s)/Years/Specialization			Master of Professional Studies / 2013 /Engineering Management, Bachelor of Science / 1987 / Electrical Engineering Technology
Active Registration Number/State/Expiration Date			PE.0038478 / LA / Exp. 03/2024, PE053747E / PA / Exp. 09/2023, 33606 / MD / Exp. 10/2024, 24GE04722600 / NJ / Exp. 04/2024, 0402042833 / VA / Exp. 10/2024, PE905001 / DC / Exp. 08/2024, 17564 / WV / Exp. 12/2024, PE033527 / GA / Exp. 12/2023, PE 043499 / NC / Exp. 12/2023
Year Registered	1998	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Roadway Lighting

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/20 – Ongoing	**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Project Engineer. Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor.
10/14 – 06/17	**LA 22 Roadway Lighting and Permit, City of Ponchatoula, LA.** Completed a photometric report, design drawings, and coordination efforts among LADOTD, City of Ponchatoula, and Entergy for submission of a utility permit and supplemental Certification for Permit Lighting for approximately 2.6 miles of state roadway lighting. Principal-in-Charge and Electrical Engineer of Record responsible for providing technical direction of design, project design assistance, developing final report, and QA/QC review of final report and design documents.
09/20 - Ongoing	**US 165 Roadway Lighting, LADOTD, Monroe, LA.** Project Manager. BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines.

12/19 – 03/21	**LA 1/LA 415 Connector Study, LADOTD, Port Allen, LA.** Project Manager BH is performing a preliminary study to evaluate roadway lighting for a new roadway connecting I-10 to LA 1 in West Baton Rouge Parish. The study will also evaluate navigational lighting for the new bridge over the intercoastal waterway. Following the preliminary study, final design will be performed by supplemental agreement.
12/20 - Ongoing	**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project. Project Manager

Firm	Buchart Horn		
Name	Steven R. Moore, PE	Years of Relevant Experience with this Employer	13
Title	Senior Electrical Engineer	Years of Relevant Experience with Other Employer(s)	33

Degree(s)/Years/Specialization			Master of Professional Studies / 2013 /Engineering Management, Bachelor of Science / 1987 / Electrical Engineering Technology
Active Registration Number/State/Expiration Date			PE070797 / PA / Exp. 09/2023, 14074 / DE / Exp. 06/2024
Year Registered	2004	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Roadway Lighting

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/20 – Ongoing	**Medical Center Boulevard Lighting, Jefferson Parish, Marrero, LA.** Electrical Engineer. Medical Center Blvd is a .37 mile urban four lane divided highway with a drainage canal located in its median, connecting the Westbank Expressway to Wichers Drive and providing access to the West Jefferson Medical Center/LCMC Health, Wynhoven Health Care Center, and multiple retail centers. Existing lighting along the highway was scarce with intermittent pole lights, creating dangerous night time conditions for vehicle and pedestrian traffic. Jefferson Parish desired to have appropriate lighting along the roadway to improve both safety and aesthetics and selected BH for the project. After a thorough analysis, BH designed the new lighting system which included 42 lights to Jefferson Parish specifications. Decorative light poles and luminaries were used to properly illuminate the roadway, thereby meeting the criteria established by Jefferson Parish and adding to the beautification of this heavily-travelled corridor.
07/13 – 01/15	**Street Lighting Design and Permitting for St. Landry Road, Ascension Parish, Gonzales, LA. x** Electrical Engineer. BH prepared a photometric report, construction drawings, and technical specifications for design and public bidding of lighting improvements on St. Landry Road in Gonzales, LA. The topographic survey and roadway turn lane design were furnished by Ascension Parish for incorporation into the lighting design. In addition, the Parish coordinated any boundary disputes and provided BH with the right-of-way and servitude limits depicted on the survey. While this project was standalone and not incorporated into the roadway/turn lane design plans, construction was coordinated by the Parish to eliminate any conduit trenching and opening of newly constructed turn lanes. As a summary, BH successfully completed the photometric analyses, designed the power distribution system and circuitry with continuous utility coordination with Entergy, received competitive letting results, performed construction administration and submittal reviews, and completed the project under budget and ahead of schedule.
09/20 - Ongoing	**US 165 Roadway Lighting, LADOTD, Monroe, LA.** Electrical Engineer. BH is providing surveying, Subsurface Utility Engineering (SUE) services, preparing design plans, specifications, illumination analysis, engineering calculations, transportation management plans (TMP), and construction cost estimates for the development of a complete lighting system for approximately four miles along US 165 in Ouachita Parish. All engineering services provided as part of this project are being conducted and completed based on LADOTD standards and guidelines.

12/20 - Ongoing	**I-110 Lighting Design from North Street to Plank Road, LADOTD, Baton Rouge, LA.** Electrical Engineer. BH is providing surveying, roadway illumination analysis and report, electrical engineering design, design plan preparation, calculations, construction cost estimates, specifications and special provisions for a complete lighting system along I-110 from North Street to Plank Road. The proposed lighting design and analysis includes all interchanges and interface with remaining existing lighting beyond the north and south ends of the project.
08/18 – 09/21	**New Roundabout at LA 931 and Roddy Road, Ascension Parish, Gonzales, LA.** Electrical Engineer. BH is providing design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations.

Firm	Civil Design & Construction		
Name	Ralph Burgess, PLS	Years of Relevant Experience with this Employer	11
Title	Principal Land Surveyor	Years of Relevant Experience with Other Employer(s)	12

Degree(s)/Years/Specialization			BS / 2004 / Industrial Design & Supervision
Active Registration Number/State/Expiration Date			5040 / LA/09.30.2024
Year Registered	2010	Discipline	Land Surveyor
Contract Role(s)/Brief Description of Responsibilities			Mr. Burgess serve as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish:** Served as the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
7/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA.** Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16-08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA.** Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15-12/18	**H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA.** Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals

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

Firm	Civil Design & Construction		
Name	Karla E. Weston, PE	Years of Relevant Experience with this Employer	17
Title	President	Years of Relevant Experience with Other Employer(s)	6

Degree(s)/Years/Specialization			BS / 1999 / Civil Engineering
Active Registration Number/State/Expiration Date			31010 / LA / 03.31.2024
Year Registered	2004	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Mrs. Weston will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/16-09/19	**H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA.** Served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
12/13 – 10/19	**H.02960 Gramercy Bridge, St. James Parish, LA.** Served as Principal-in-Charge for the firm's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project
02/14 - 02/15	**H.010620 I-49 Design Build, Lafayette, LA.** Provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.
05/13 – 05/14	**H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA.** Served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
01/06 – 12/12	**EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA.** Served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.
03/12 – 07/12	**H.009104.5 - Sunshine Bridge Phase 2.** Served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.
05/11 – 04/12	**Red River – Jackson Street Bridge, Alexandria, LA.** Served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.
06/12 – 10/12	**H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33.** Served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.

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

Firm	Civil Design & Construction		
Name	Chris Ballard, PLS	Years of Relevant Experience with this Employer	6
Title	Survey	Years of Relevant Experience with Other Employer(s)	19

Degree(s)/Years/Specialization			BS / 2004 / Biological Science
Active Registration Number/State/Expiration Date			5033 / LA/09.30.2024
Year Registered	2010	Discipline	Land Survey
Contract Role(s)/Brief Description of Responsibilities			Mr. Ballard serve as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.

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

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

	Firm	Civil Design & Construction		
	Name	Trent Norris	Years of Relevant Experience with this Employer	8
	Title	Survey	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			NSPS Certified Survey Technician, Level I Boundary Certificate No.: 0418-5963 ATSSA Traffic Control Supervisor, Technician & Flagger
Year Registered	N/A	Discipline	Land Survey
Contract Role(s)/Brief Description of Responsibilities			Mr. Norris serves as the firm's 3D Scanning Technician who will aide in field data collection as well as process all 3D scan data in the office and assist in any other processing to complete the submittal.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/18 – 01/2020	**H.013959 Reeds Bridge Rd. Calcasieu River Relief, Allen Parish, LA.** Mr. Humphreys served as a Instrument Man for this project. CD&C was a sub-consultant on this project is responsible for topographic and ROW surveying for this rural bridge replacement project.
07/17 – 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**. Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
04/17 – 07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
08/16 – 01/18	**H.011235 I-49 Verot School Road, Lafayette, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/16 – 10/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA**. Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
10/15 – 12/18	**H.003184.5 I-10 TX State Line-E of Coone Gully, Calcasieu Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.
01/16 – 07/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA.** Mr. Norris served as the firm's 3D Scanning Tech on this project by working with the scan crew in the field, post processing the scans, and extracting all of the necessary topographic data from them thru TopoDot to put into InRoads.

Firm	Civil Design & Construction		
Name	Philip Dupree	Years of Relevant Experience with this Employer	10
Title	Survey	Years of Relevant Experience with Other Employer(s)	30

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			NSPS Certified Survey Technician, Level III, Boundary Cert. No. 0799-1106 Nationwide; ATSSA Certified as Registered Flagger ATSSA Certified Traffic Control Tech & Traffic Control Supervisor
Year Registered	N/A	Discipline	Land Survey
Contract Role(s)/Brief Description of Responsibilities			Mr. Dupree is the Senior Survey Party chief who will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately.

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

07/14-10/15	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA.** Mr. Dupree served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13-07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA.** Mr. Dupree served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	**H.011088.5 West Prien Lake, Lake Charles, LA.** Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	**H.010620 I-49 Design Build.** Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Mr. Dupree also was the lead Party Chief for the property surveys on this project.

Firm	Civil Design & Construction		
Name	Clarence J. Goodspeed	Years of Relevant Experience with this Employer	>1+
Title	Survey	Years of Relevant Experience with Other Employer(s)	30

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department. The following is a list of companies and job roles.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
-	**Byers Engineering.** Damage prevention tech, responsible for accurately locating multiple clients underground plant which was, AT&T (Bell South), Entergy Elec, Cox Communications, several companies that owned fiber loops in the greater Baton Rouge area, Eatel, and Koche Gateway Pipeline are just some of the companies he was responsible for locating their underground facilities.
-	**BHA Engineering.** Damage prevention tech (Underground Locator) contracted to Demco Electric to locate their underground facilities.
-	**Wave Tech Geophysical Engineering.** Conducted SUE work, vacuum excavation, ground penetrating radar, road pavement GPR, leak detection, researching utility prints, and conducting locates on military facilities and airports.
-	**Bron Construction.** Assisted in maintenance, and new construction of Entergy Electric underground and some overhead lines.
-	**UtiliQuest LLC.** Supervisor, Damage Investigator, State Claims Manager, and Operations Manager. Also, took part in negation of contracts.
-	**Fibore.** Filled in as supervisor for burying Charter Communication service drop crews, installation of main and service drops with directional boring rig, assisted in settling property damage claims, and assisted in pointy of contact with Charter Construction personal.

Firm	Civil Design & Construction		
Name	Madison Mills, LSI	Years of Relevant Experience with this Employer	1+
Title	Survey	Years of Relevant Experience with Other Employer(s)	4

Degree(s)/Years/Specialization			BS / 2016 / Civil Engineering
Active Registration Number/State/Expiration Date			0000716 Land Surveyor Intern/LA/09.30.2023
Year Registered	2021	Discipline	Land Surveyor Intern
Contract Role(s)/Brief Description of Responsibilities			Mr. Mills joined CD&C in 2021 as a Land Surveying Intern. Madison will be taking his PLS exam in 2022. He serves as a Survey Technician for CD&C working to manage field crews, process field crew data, and finalize deliverables.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/21 - Ongoing	**H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 - Ongoing	**H.013955 LA 961 Bride at Sandy Creek, West Feliciana Parish, LA.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
02/21 - Ongoing	**H.013956 LA 961 Bridge at Beamon Rd. Bayou Maringouin, Pointe Coupee Parish, LA.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client. He also worked on property surveys and ROW mapping.
07/21 – 11/21	**H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
02/21 – 05/21	**H.010108 Safe Routes to Schools – Independence Sidewalks, Baton Rouge, LA.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.
07/21 – 12/21	**H.0014560.5 LA 94 Vermillion River, St. Martin Parish, LA.** Mr. Mills worked as a LSI on this project. He has helped manage crews, processed field data, created punch-lists, worked with utilities, and helped complete the final deliverables to the client.

	Firm	**GOTECH, Inc.**		
	Name	Raymond Belmer	Years of Relevant Experience with this Employer	30
	Title	Party Chief	Years of Relevant Experience with Other Employer(s)	14

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Belmer is presently the Party Chief with over 35 years of survey experience. Mr. Belmer has a working knowledge of total station operation, EDM equipment, Fathometer/Hydro equipment, data collection and GPS equipment. He has been involved in nearly every aspect of field surveying including levee centerline profile surveys, first order baseline traversing, property boundary surveys, cadastral layout, cross section surveys, topographic surveys, construction layout, automated hydrographic surveys, photogrammetric surveys, and infra-structure surveys.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/21 – 01/22	**LADOTD Contract No. 4400020063 & 4400020064; State project No. H.014552.5: IDIQ Contracts for Electrical Services, Statewide – I-49, LA 31 Interchange Lighting Project.** Field Supervisor for GOTECH. Mr. Belmer was responsible for the topographic survey of the I-49 – LA 31 Interchange. The survey serves as the basis for future lighting improvements at the intersection. The footprint of the project extended approximately 3,500 feet in the north / south direction along I-49 and approximately 1,500 feet in the east / west direction along LA Hwy 31. GOTECH's crews performed a control survey on 5 control points in accordance with DOTD requirements. The topographic data was transmitted to DOTD, including the ALG File, DTM File, 2D File, 3D File and the Point File.
01/17 – 04/17	**4400002746; H.012469.5: LA DOTD – Retainer Contract for Electrical Services – I-10 at Read Blvd Interstate Lighting, Orleans Parish, LA.** Subconsultant to GEC, Inc. Mr. Belmer was the chief survey technician providing topographic surveying services for Interstate lighting system design. The project included static GPS control surveys, elevation level loop runs, and conventional topographic field surveys. Topographic field information gathered included roadway/pavement surface features, drainage structures, both surface and subsurface utilities, and survey data on elevated portions of the interstate bridge overpass. All field data was collected in standard DOTD electronic feature code format. Surveys were performed for various I-10 and I-12 highway interchanges.

02/14 – 11/16	**H.007855.5: LA DOTD – LA Hwy 431 at LA Hwy 934 Intersection Improvements, Ascension Parish, LA.** Chief Survey Technician. Mr. Belmer provided topographic surveying and mapping services for the Hwy 431/934 Intersection Improvements project. The work was located in Ascension Parish on what are currently two-lane highways with narrow shoulders and adjacent open ditch drainage. GOTECH field crews obtained field data in a format that was used in MicroStation CADD drawings with Inroads software. GOTECH also mapped the data in an AutoCAD version for the designers to use. 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.
06/12 – 04/15	**Retainer Contract for Professional Hydrographic Surveying Services – Bridge City, Lafayette, Lake Charles, Baton Rouge, & Hammond, Louisiana – LA DOTD SPN: 4400003039.** Mr. Belmer was the Chief Survey Technician providing hydrographic surveying services to the Louisiana Department of Transportation and Development. Projects included hydrographic field surveys and submitted deliverables such as hydrographic charts, survey field notes, digital photographs, and final tabulation data sheets showing bathymetric water bottom data and depths in PDF, JPG or XLS format. Surveys were performed in various south Louisiana in-land water areas.
06/-12 – 04/15	**Retainer Contract for Professional Surveying Services – Bridge City, Baton Rouge & Hammond, Louisiana – LA DOTD SPN: 4400001331.** Mr. Belmer was the Chief Survey Technician providing hydrographic surveying services in support of bridge scour analysis to the Louisiana Department of Transportation and Development. Projects included hydrographic field surveys and submitted deliverables such as hydrographic charts, survey field notes, digital photographs, and final tabulation data sheets showing bathymetric water bottom data and depths in PDF, JPG or XLS format. Surveys were performed in various south Louisiana in-land water areas and the Mississippi River.
07/07 – 05/08	**South Pecan Island, Vermilion Parish, Louisiana.** Mr. Belmer was the Field Supervisor for the survey and mapping project covering approximately 700 acres. The project required hydrographic surveys of the marsh canals and bay areas and topographic surveys of the levees and surrounding stable ground. Access to the remote areas on the project required work boats, skiffs, air boats and all-terrain vehicles. Field data gathered was used for hydraulic work modeling.

	Firm	**GOTECH, Inc.**		
	Name	John Biggs	Years of Relevant Experience with this Employer	4
	Title	Survey Party Chief	Years of Relevant Experience with Other Employer(s)	28

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			Certified Traffic Control Supervisor – ATSSA, Expires 2/7/2023 Certified Traffic Control Technician – ATSSA, Expires 2/5/2023 Registered Flagger – ATSSA Expires 10/21/2026
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Biggs is presently a Survey Technician with over 20 years of survey experience. Mr. Biggs has a working knowledge of total station operation, EDM equipment, Fathometer/Hydro equipment, data collection and GPS equipment. He has been involved in nearly every aspect of field surveying Including first order baseline traversing, property boundary surveys, cadastral layout, cross section surveys, topographic surveys, construction layout, automated hydrographic surveys, photogrammetric surveys, infra-structure surveysa, and levee centerline profile surveys.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/19 – Present	**Pointe-Marie: A New Village, Baton Rouge, LA.** Lead Survey Technician. On-going design and construction of Pointe-Marie. This project entails a planned community development of a mixed-use village encompassing over 120 acres. His duties include the layout of roadways, drainage, grading, sanitary sewer system, utility layout and coordination and overseeing construction activities. Phase I is complete and he is working on Phase II. Mr. Biggs also has been responsible for the boundary survey field work on the development. This work includes geometric calculations, property corner setting, elevation surveys and lot layouts. Working to improve drainage across overhead utilities and underground pipelines in the north end of the property to include Entergy Transmission and Distribution, Shell Pipeline, Baton Rouge Sewer Force Main and Entergy Gulf States.
11/19 – 05/21	**New Orleans Street Rehabilitation: RR101, RR102 – New Orleans Department of Public Works, Orleans Parish, LA.** Mr. Biggs was a Survey Technician providing topographic surveying services for roadway rehabilitation design. The project included static GPS control surveys, elevation level loop runs, and conventional topographic field surveys. Topographic field information gathered included roadway/ pavement surface features, drainage structures, both surface and subsurface utilities, and survey data on all features within the apparent right-of-way. All field data was collected in standard DOTD electronic feature code format.
11/19 – 06/21	**New Orleans Streets Rehab: RR119 RR120 – New Orleans Department of Public Works, Orleans Parish, LA.** For the roadway improvement projects in New Orleans, Mr. Biggs was the Lead Survey Technician for GOTECH. He has conducted topographic surveys that were used as the basis for new roadway improvement designs. Gutter line surveys were used for drainage calculation and his pavement surveys were used as the basis for new roadway geometric designs (vertical curves and horizontal geometry). All survey data was compiled in detailed plan/profile sheets resulting in a complete construction document package.

11/19 – 06/21	**Retainer Contract for Professional Hydrographic Surveying Services – Bridge City, Lafayette, Lake Charles, Baton Rouge, & Hammond, Louisiana – LA DOTD SPN: 4400003039.** Mr. Belmer was the Chief Survey Technician providing hydrographic surveying services to the Louisiana Department of Transportation and Development. Projects included hydrographic field surveys and submitted deliverables such as hydrographic charts, survey field notes, digital photographs, and final tabulation data sheets showing bathymetric water bottom data and depths in PDF, JPG or XLS format. Surveys were performed in various south Louisiana in-land water areas.

	Firm	**GOTECH, Inc.**		
	Name	Bruce Dyson, P.E., P.L.S.	Years of Relevant Experience with this Employer	29
	Title	General Manager	Years of Relevant Experience with Other Employer(s)	17

Degree(s)/Years/Specialization			Bachelor's-of-Science / 1978 / Civil Engineering
Active Registration Number/State/Expiration Date			P.E. License No. 20162 / LA / 3-31-2024; P.L.S. License No. 4670 / LA / 3-31-24 Traffic Control Technician – ATSSA Expires 06/21/2026 Traffic Control Supervisor – ATSSA Expires 06/22/2026 Registered Flagger – ATSSA Expires 08/04/2026
Year Registered	1982; 1992	Discipline	Registered Professional Civil Engineer / Professional Land Surveyor
Contract Role(s)/Brief Description of Responsibilities			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. Mr. Dyson 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.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/15 – Present	**LADOTD Contract No. 4400004485; State Project No. 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 Contract No. 4400002746; State Project No. H. 012602.5: I-10 at Morrison Rd Interstate Lighting, Orleans Parish, LA.** Engineering/Surveyor Manager. Mr. Dyson provided project oversight 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.

02/14 – 11/16	**LADOTD Project No. H.007855: LA Hwy 431, LA Hwy 934 Intersection Improvements, Ascension Parish, LA.** Quality Control Reviewer. Mr. Dyson was the reviewer for the Hwy 431 / 934 Intersection Improvements project. GOTECH provided 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. GOTECH field crews obtained field data in a format that was used to in MicroStation CADD drawings with Inroad's software. GOTECH also mapped the data in an AutoCAD version for the designers to use. 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.
10/12 – 12/14	**LADOTD Project No. H.009276: I-10 (LA 30 to LA 22), Ascension Parish, LA.** Quality Control Reviewer. Mr. Dyson was the reviewer for the Interstate 10 project in Ascension Parish. The project included a segment of the Interstate from LA Hwy 30 to LA Hwy 22. Cross Sections were taken from right-of-way line to right-of-way line to provide data for the Interstate widening design. Overpass details were obtained to show bridge details, bent locations, piling spacing and clearance dimensions.
09/07 – 09/13	**LADOTD Project No. 704-92-0036 & 704-92-0037: New Orleans Submerged Streets Repair-Permanent Repair to Federal Aid Eligible Roads as a Result of Damage Due to Hurricane Katrina in 2005.** Engineering Coordinator. GOTECH provided topographic surveying, preliminary and final roadway plans, and construction support for the project streets located in Jefferson and Orleans Parishes.
02/06 – 08/11	**LADOTD Project No. 052-02-0024: John James Audubon Bridge Design/Build Project, St. Francisville, LA.** Assistant Design Engineer. Performing quality control reviews on the construction documents. The cable-stayed bridge structure crossed the Mississippi River linking the St. Francisville area with the New Roads community. Approximately 3.5 miles of a mainline and sideroad network were designed by GOTECH. The project involved intersection designs, drainage analysis, alignment geometric designs, profile/grade analysis and cost estimating.

	Firm	**GOTECH, Inc.**		
	Name	Rhaoul Guillaume, Sr., P.E., F.ASCE	Years of Relevant Experience with this Employer	42
	Title	Principle	Years of Relevant Experience with Other Employer(s)	10

Degree(s)/Years/Specialization			Bachelor-of-Science / 1971 / Civil Engineering; Bachelor of Arts / 1971 / Mathematics
Active Registration Number/State/Expiration Date			P.E. License No. 20083 / LA / 9-30-22
Year Registered	1982	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Mr. Guillaume supervises all corporate activities to include project management for all contract requirements.Mr. Guillaume's duties include client liaison, project budgeting, manpower assignments, contract administration, design supervision, production of contract documents and quality control. Mr. Guillaume is an experienced civil engineering with a background in hydrographic, topographic and control surveying, project management and estimating.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/15 – Present	**LADOTD Contract for Engineering and Surveying Services (Contract No. 4400004485; Project No. H.009320) – Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place), Thibodaux, LA.** Mr. Guillaume is overall responsible for providing the required services for the project. GOTECH serves as Sub-Consultant to Hartman Engineering.
05/18 – Present	**LA DOTD Retainer Contract for Electrical Services (Contract No. 4400002746; Project No. H.013442.5) – I-10 at Crowder Blvd Interstate Lighting, Orleans Parish, LA.** Mr. Guillaume is the client liaison and is overall responsible for providing the required engineering and surveying services for the project. GOTECH serves as a Sub-Consultant to GEC, Inc..
01/18 – Present	**LADOTD Prospect Blvd Sidewalks, Terrebonne Parish, (Contract No. 4400010389) – Prospect Blvd Sidewalks, Terrebonne Parish, LA.** Mr. Guillaume is the client liaison and is overall responsible for providing the required engineering and surveying services for this project. GOTECH is the Prime Consultant.
10/14 – Present	**LADOTD Retainer Contract for Construction Engineering Management & Staff Augmentation Services (Contract No. 4400004729) –– District 03 (Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary & Vermilion Parishes, LA).** Mr. Guillaume is the client liaison and is overall responsible for providing the required engineering and inspection services for the project. GOTECH is a Sub-Consultant to GEC, Inc.
02/18 – 04/18	**LADOTD North Kenner Pedestrian Improvements, Orleans Parish, LA (Contract No. 4400005891).** Mr. Guillaume was the client liaison and was overall responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant to Digital Engineering and Imaging, Inc.

09/07 – 09/13	**LA DOTD New Orleans Submerged Streets Repair, Jefferson & Orleans Parishes, LA (Project No. 704-92-0036 & 704-92-0037).** Mr. Guillaume was the client liaison and was overall responsible for providing the required engineering and surveying services for the project. GOTECH was a Sub-Consultant to HNTB.
02/09 – 08/12	**LADOTD I-12 Widening Design-Build, East Baton Rouge & Livingston Parishes, LA (Project No. 454-01-0047 & 454-02-0025).** Mr. Guillaume was the client liaison and was overall responsible for providing the required engineering, inspection and surveying services for the project. GOTECH was as a Sub-Consultant to James Construction Group.
06/10 – 06/11	**LADOTD Bridge Indenture, Inspection & Consulting Services, Orleans, Jefferson & St. Bernard Parishes, LA (Project No. 700-99-0510).** Mr. Guillaume was the client liaison and was overall responsible for providing the required engineering, inspection and surveying services for the project. GOTECH was a Sub-Consultant to TRC.
02/06 – 05/11	**LA DOTD John James Audubon Bridge Design / Build Project, St. Francisville, LA (Project No. 052-02-0024).** Mr. Guillaume was the client liaison and was overall responsible for providing the required engineering, inspection and surveying services for the project. GOTECH was a Sub-Consultant to Audubon Bridge Constructors.

	Firm	**GOTECH, Inc.**		
	Name	John "Sparky" Hoffman, P.E.	Years of Relevant Experience with this Employer	16
	Title	Design Engineer	Years of Relevant Experience with Other Employer(s)	29

Degree(s)/Years/Specialization			Bachelor-of-Science / 1977 / Civil Engineer NHI Course No. 142005 National Environmental Policy Act (NEPA) and Transportation Decision Making / 2002
Active Registration Number/State/Expiration Date			Certified Traffic Control Supervisor – ATSSA Expires 09/2023 Flagger – ATSSA Expires 05/10/2025 19536 / LA / 9-30-2023
Year Registered	1981	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			As the Design Engineer, Mr. Hoffman's experience includes design studies for roadway and bridge projects, traffic projections and capacity analyses, traffic signal construction plans, urban roadway system improvements with added turn lanes and signalization plans, and ITS studies.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/19 – Present	**Program Management at Baton Rouge Metropolitan Airport City of Baton Rouge / East Baton Rouge Purchasing Department, Subconsultant to AMG, LLC (Airport Management Group, LLC), JV: Kutchins & Groh, LLC / Digital Engineering & Imaging, LLC/ GOTECH, Inc./John Young Consulting Group.** As part of a Joint Venture, GOTECH is assisting in providing Program Management Services for the Baton Rouge Metropolitan Airport under a Work Authorization Contract that could extend for up to five years. The scope of services entails management and budgeting of proposed construction projects from conception, design, and construction. Mr. Hoffman has assisted with the project management for four projects at the Baton Rouge Metropolitan Airport. These projects have included the Parking Garage Repairs, Airpark Boulevard Extension, ARFF Security Perimeter Road, South GA Apron Repair and Taxiway Connector. Duties have included project budgeting, final design and specification review, and management of the bidding and award process. These projects have been completed or presently under construction.
03/16 – 05/18	**Baton Rouge Metropolitan Airport – BTR Master Plan Study, Runway 13-31 RPZ + RSA Area Improvements EA/BCA, East Baton Rouge, LA.** Project Manager. As part of the project team and working under Kutchins & Groh, LLC, Mr. Hoffman was responsible for providing engineering services for the roadway alternatives to allow for the relocation of Plank Road on the southeast side of the Airport. This project would allow for the recovery of the Runway 31 safety area and runway protection zone. The studies also included proposed improvements to Hooper Road between the existing Plank Road intersection and the new intersection with relocated Plank Road. Mr. Hoffman was the project manager providing alignment studies and preliminary cost estimates. This project resulted in the successful receipt of the Finding of No Significant Impact from the Federal Aviation Administration. The project is currently under design.

03/06–07/19	**City of Baton Rouge/East B.R. Parish Program Management Services for Transportation & Street Improvement Program "Green Light Plan", East Baton Rouge Parish, LA.** Director of Engineering. GOTECH Worked as a subconsultant under CSRS, Inc. for and with the City/Parish, Mr. Hoffman was responsible for the review of all planning and engineering performed for the program. This program successfully completed over 40 roadway and bridge projects throughout the Parish. They included major 4-lane projects such as Central Thruway, Burbank Drive, Highland Road, Siegen Lane, Jones Creek Road, O'Neal Lane, S. Harrell's Ferry Road, Starring Lane, Stumberg Lane, and Sullivan Road. Projects have also included major intersection improvements such as Coursey Blvd. at S. Sherwood Forest Blvd., S. Foster at Government St., S. Acadian at Perkins Rd., and Essen Lane at Interstate 10. Work included the management of the projects through all phases including concept design, environmental clearance and permitting, final plan design, specifications, utility coordination, bidding and award, and construction administration. Close coordination with the City/Parish and LADOTD was maintained to ensure conformance to agency design criteria and requirements.
02/16 – 11/16	**4400003592: LA DOTD Retainer Contract for Roadway Projects - LA 3249 - Roundabout at I-20/Well Road - Route LA 3249, Ouachita Parish.** As a Sub-Consultant to Denmon Engineering Company, Inc., as the Project Manager, GOTECH, Inc. provided the geometric design and design plan sheet for the proposed roundabout located at the intersection of the I-20 westbound ramps and LA 3249. The roundabout was designed to consider future widening and maintenance of ramp traffic during construction. Mr. Hoffman was responsible for the geometric design of the roundabout.
05/77 – 06/06	**Previous experience includes 30 years of design and management of transportation and civil engineering projects.** These have included major Interstate corridor and bridge studies, preliminary and final roadway construction plans, as well as aviation and wastewater projects. Assignments have included Line and Grade Studies, project management for Environmental Assessments and Environmental Impact Statements, preparation for preliminary and final construction plans for Interstate Highways and rural and urban arterial roadways. Mr. Hoffman's traffic engineering experience includes design studies for roadway and bridge projects, traffic projections and capacity analyses, traffic signal construction plans, urban roadway system improvements with added turn lanes and signalization plans, and ITS studies.

	Firm	**GOTECH, Inc.**		
	Name	Michael Major	Years of Relevant Experience with this Employer	3
	Title	Party Chief	Years of Relevant Experience with Other Employer(s)	13

Degree(s)/Years/Specialization			N/A
Active Registration Number/State/Expiration Date			N/A
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities			Mr. Major is presently a Party Chief with over 15 years of survey experience. Mr. Major has a working knowledge of total station operation, EDM equipment, Fathometer/Hydro equipment, data collection and GPS equipment. Previous employment as a Sr. Technician, he has experience in installation of power lines in Baton Rouge, Lafayette and Macomb. e has been involved in nearly every aspect of field surveying Including first order baseline traversing, property boundary surveys, cadastral layout, cross section surveys, topographic surveys, construction layout, automated hydrographic surveys, photogrammetric surveys, infra-structure surveysa, and levee centerline profile surveys.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/19 – 05/21	**New Orleans Street Rehabilitation – New Orleans Department of Public Works, Orleans Parish, LA.** Sr. Technician. Mr. Major the provides topographic surveying services for roadway rehabilitation design. The project included static GPS control surveys, elevation loop runs, and conventional topographic field surveys. Topographic field information gathered included roadway/pavement surface features, drainage structures, both surface and subsurface utilities, and survey data on all features within the apparent right-of-way. All field data was collected in standard DOTD electronic feature code format.
10/19 – 12/19	**Smuckers Distribution Facility, St. Tammany Parish, LA.** Sr. Technician. Mr. Major provided topographic surveying and mapping services for the Smuckers project. The work was located in Lacombe, Louisiana on highway 434. GOTECH field crews obtained field data near a 27-acre site. GOTECH also mapped the data in an AutoCAD version for the designers to use. The topographic map showed existing features as pavement, ditches, culverts, lighting, signs, utility poles, traffic controls, driveways, and other utilities.
09/17 – 03/19	**CSRS, Baton Rouge, LA.** Senior Crew Chief. Mr. Major led crew in large scale community development from preliminary topographic and boundary surveys to construction as-built. Built a reputation for maintaining a profitable survey team. Lead crew chief in bringing survey department from profit loss to a positive profit margin of 42% in one year.
05/16 – 09/17	**SAM, Inc.** Senior Crew Chief. Mr. Major worked on large scale ROW and construction projects as an Entergy subcontractor. Worked as the only surveyor for the entire Louisiana region and maintained all deadlines. Senior crew chief and lead for multiple survey crews.
08/14 – 05/16	**Quality Engineering.** Survey Crew Chief. Mr. Major led the crew on large scale topographic and boundary surveys. Worked at Honeywell Geismar as survey QC.

08/07 – 08/14	**Ferris Engineering, Baton Rouge, LA. Survey Crew Chief.** Mr. Major assisted in creating documentation through processing techniques in AutoCAD 3D. Led crew in sub-millimeter stakeout jobs and 3-dimensional topographic surveys in the construction of large-scale modules for the petrochemical industry. Communicate one on one with supervisory figures to assure the highest of quality work.
05/06 – 06/07	**Chustz Surveying, Inc., New Roads, LA.** Instrument Technician. Mr. Major operated survey equipment for U.S. Army Corps of Engineers after the 17th Street Canal disaster in New Orleans, LA. Topographic surveys of the levee systems post Hurricane Katrina. Experience in hydrographic surveys using single beam and multi beam systems.

	Firm	**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 / 3-31-2024 Traffic Control Technician – ATSSA Expires 06/21/2026 Traffic Control Supervisor – ATSSA Expires 06/22/2026 Registered Flagger – ATSSA Expires 08/12/2026
Year Registered	1992	Discipline	Professional Land Surveyor
Contract Role(s)/Brief Description of Responsibilities			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 pipeline, road improvement, LNG facilities, oil and gas well locations, and private development projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/15 – Present	**LADOTD Contract No. 4400004485; State Project No. H.009320: Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place), Thibodaux, LA.** Professional Land Surveyor. Mr. Price provides 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. Mr. Price provides 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. GOTECH is a Sub-Consultant to GSA, Inc.
04/18 – 06/18	**LADOTD Contract No. 4400005891; State Project No. H.012479: Local Road Safety Program / Safe Routes to School Peltier Park Sidewalks.** Survey Project Manager. Mr. Price manages 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. Mr. Price professionally managed 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. Mr. Price provided project oversight 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. Mr. Price is responsible for deed research and property monument recovery in connection with the property survey along a six (6) mile section of the existing U.S. Hwy 165 roadway from Georgetown to Tullos. The survey consisted of locating and retracing the boundary lines of approximately 100 property owners. Several restorations of Public Land Survey corners were undertaken as required in the determination of boundary lines.

	Firm	**GOTECH, Inc.**		
	Name	John Schexnayder, P.E., CFM, CSM	Years of Relevant Experience with this Employer	5
	Title	Project Manager	Years of Relevant Experience with Other Employer(s)	11

Degree(s)/Years/Specialization			B.S. / 2003 / Civil Engineer ASFPM – Certified Floodplain Manager 2014 / US-14-07449 APWA – Certified Stormwater Manager 2014
Active Registration Number/State/Expiration Date			33284 / LA / 9/30/2023
Year Registered	2007	Discipline	Registered Professional Civil Engineer
Contract Role(s)/Brief Description of Responsibilities			Project Manager / Mr. Schexnayder is a registered professional civil engineer and serves as a project manager at GOTECH, Inc. His duties include design, coordination, technical construction document preparation, specification preparation, and quality control review for projects. Mr. Schexnayder also represents GOTECH as a project manager at meetings with public, federal, state and local government and private owners. Mr. Schexnayder has a variety of experience in drainage improvement projects, sewer system design, pump station upgrades, roadway design, site work design and cost estimating. He also has experience in hydrologic and hydraulic modeling and analysis.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/15 – 12/16	**LA DOTD Retainer Contract for Safety Studies (4400004403).** GOTECH was a subconsultant to AECOM on State Project Number H.0011489.5 – Low-Cost Safety Improvements Statewide. Mr. Schexnayder, as project manager, this project included identifying effective roadway departure countermeasures, selecting appropriate countermeasures for highway curves, and preparing plans/ cost estimates. There was a total of 282 curves included in this project located throughout the state. GOTECH's main role was plan preparation for the identified safety improvements at each curve location and preparing cost estimates.
02/12 – Present	**Pointe-Marie: A New Village, Baton Rouge, LA.** Mr. Schexnayder is a professional engineer with over 18 years' experience on a wide variety of civil engineering projects including project management, land development, hydraulics and hydrology, stormwater management, site design, roadway design, infrastructure design, and construction administration. He served as the design engineer and project manager for Pointe-Marie Phase I (Baton Rouge, LA), and is currently the project manager for MOVEBR Scenic Hwy Enhancement Project (Harding Blvd. to Swan Ave), Baton Rouge, LA. He is also a Certified Floodplain Manager and an APWA Certified Stormwater Manager.
09/17 – 03/18	**Milan Group A: City of New Orleans, Department of Public Works.** Mr. Schexnayder was the project manager for a substantial roadway project in New Orleans, LA. This project entailed pavement repairs and rehabilitation of several blocks of city streets, including pavement patch and overlay, sidewalks and utility coordination.

10/15 – 02/18	**@Highland Commercial Development, Baton Rouge, LA.** Mr. Schexnayder was the project manager and civil engineer for the on-going @Highland Commercial Development. This project entailed the development of a 9-acre technology campus, located in Baton Rouge, LA. His duties included design of roadways, sidewalks, grading, drainage, sanitary sewer system, utility layout, and overseeing construction activities.
01/18 – Present	**Prospect Blvd Sidewalks – LA DOTD – Terrebonne Parish (4400010389).** Mr. Schexnayder is the project manager for this project which consists of providing the topographic survey and design for approximately 2,800' of ADA compliant sidewalk along the eastern side of Prospect Blvd from LA 24 (East main St.) to Woodside Drive in Terrebonne Parish. This is an Urban Systems Project being prepared for the Terrebonne Parish Consolidated Government in accordance with LADOTD requirements. GOTECH's role includes topographic survey, preliminary plans, and final plans, in accordance with Louisiana Department of Transportation and Development standards. The final plans include typical sections and details, summary of estimated quantities, cost estimate, and stormwater prevention pollution plan.
08/12 – 12/13	**Regional Planning Commission - ADA Transition Plan, Jefferson Parish, LA.** Mr. Schexnayder was the project manager for the ADA Transition Plan for the Regional Planning Commission in Jefferson Parish, Louisiana. GOTECH prepared a transition plan by identifying and prioritizing intersections most in need of ADA accessibility. GOTECH produced site sketches showing suggested improvements and also provided construction cost estimates. GOTECH was the prime consultant for this project.
07/17 – Present	**Baker High School, Baker, LA.** Mr. Schexnayder is the project manager for this project which involves rebuilding and restructuring Baker High School's campus in response to major flood damage that occurred during the flood of 2016. As part of this project, several flood-damaged buildings are being demolished and a new main campus building is being constructed. GOTECH's role in this project includes infrastructure design to facilitate the rebuilding and restructuring of the campus. This includes design of site grading and earthwork, roadway and entrance roads, pedestrian paths, drainage, sewer, utilities, and erosion control.

	Firm	**GOTECH, Inc.**		
	Name	Hogan Smith, E.I.	Years of Relevant Experience with this Employer	3
	Title	Engineer Technician	Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization			Bachelor of Science / 2020 / Civil Engineering
Active Registration Number/State/Expiration Date			E.I. License No. 0034502 / LA / 9-30-24
Year Registered	2020	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Mr. Smith is an Engineer Intern at GOTECH in the civil engineering department. He is a graduate of Louisiana State University with a Bachelor of Science degree in civil engineering. Mr. Smith has design experience on roadway improvement projects. His duties include hydraulic design, hydrologic calculations, drainage design, roadway profile design, intersection geometrics and typical section layout. He also has experience with construction cost estimating and detailed quantity calculations.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/20 – Present	**Pointe-Marie, Baton Rouge, LA.** Mr. Smith assists in the development of construction plans for this 120-acre Traditional Neighborhood Development including drainage, roadways, and utilities.
02/21 – 03/21	**Dickory Ave., Jefferson Parish, LA.** Mr. Smith assisted in the investigation of existing site drainage and the completion of the drainage map for the proposed area of Dickory Avenue.
09/20 – 03/21	**Holiday Drive Bridge, Orleans Parish, LA.** GOTECH provided topographic survey and related drawings to support design for replacement of the existing Holiday Drive Bridge over the Algiers Canal in New Orleans. Mr. Smith served as a design technician, producing the CAD drawings for the project. GOTECH was a subconsultant to Neel-Schaffer, Inc.
02/20 – 03/21	**New Orleans Streets Rehab (RR119, RR120), Orleans Parish, LA.** Mr. Smith assisted in the development of construction plans by designing storm water drainage using LADOTD HYDR WIN program, created drainage maps, completed mark-ups of project drawings in AutoCAD Civil 3D, and completed cost estimates.
11/20	**New Orleans Streets Rehab (RR184), Orleans Parish, LA.** Mr. Smith assisted in the completion of road design of six streets using AutoCAD Civil 3D by completing mark-ups on the typical sections, plan/profile sheets, cross sections, and geometric detail drawings.
02/20 – 09/20	**New Orleans Streets Rehab (RR101, RR102), Orleans Parish, LA.** Mr. Smith assisted in the development of construction plans by designing storm water drainage using LADOTD HYDR WIN program, created drainage maps, completed mark-ups of project drawings in AutoCAD Civil 3D, and completed cost estimates.

	Firm	**GOTECH, Inc.**		
	Name	James "Drew" Walsh, P.E., PMP, CFM	Years of Relevant Experience with this Employer	4
	Title	Engineering Project Manager	Years of Relevant Experience with Other Employer(s)	22

Degree(s)/Years/Specialization			Bachelor-of-Science / 1996 / Environmental Engineering United States Military Academy, West Point, NY Master's in Business Administration / 2003 / Louisiana State University
Active Registration Number/State/Expiration Date			29340 / LA / 3-31-2023 Project Management Professional / Certification # 231196 / 2019 NABCEP Certified PV Installation Professional / Certification # PV-102415-003096 / 12/2015 Certified Traffic Control Supervisor – ATSSA Expires 2/2023 Certified Traffic Control Technician – ATSSA Expires 2/2023
Year Registered	2001	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Mr. Walsh is a talented leader and engineer with 20+ years' experience. Mr. Walsh is an Engineer at GOTECH who specializes in Project Management, Hydraulics, Hydrology, Utility Coordination and Site Engineering. Mr. Walsh has a broad base of experience on engineering projects across Louisiana in a variety of settings. He has done SUE investigations on many projects involved with, including LA DOTD roadway projects, sewer rehabilitations, sight development, drainage improvements and other civil projects.

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/19 – Present	**Pointe-Marie: A New Village, Baton Rouge, LA.** Mr. Walsh is currently the project manager and lead engineer for the on-going design and construction of Pointe-Marie. This project entails a planned community development of a mixed-use village encompassing over 120 acres. His duties include the design of roadways, drainage, grading, sanitary sewer system, utility layout and coordination and overseeing construction activities. Phase I is complete and working on Phase II. Mr. Walsh developed a Hydraulic Model for the 120ac Pointe-Marie development to Master Plan the drainage. From the model, developed construction plans for 5 drainage projects that will improve the drainage for this development. Working to improve drainage across overhead utilities and underground pipelines in the north end of the property to include Entergy Transmission and Distribution, Shell Pipeline, Baton Rouge Sewer Force Main and Entergy Gulf States. Mr. Walsh developed a Hydraulic Model for the 120ac Pointe-Marie development to Master Plan the drainage. From the model, developed construction plans for 5 drainage projects that will improve the drainage for this development.

08/08 – 08/11	**US Army Corps of Engineers, Hurricane Protection Office.** Mr. Walsh was Senior Project Manager for Permanent Canal Closures and Pumps. This was a $700M project for three Permanent Canal Closure and Pump Stations for the 17th Street, London Ave and Orleans Ave Canals. He managed the writing of the Request for Proposals (RFP), the completion of the Environmental Report, gaining the Partnership Agreement with the Non-Federal Sponsor, Orleans Parish Sewage and Water Board, CPRA, SLFPA-E and the Orleans Levee District, and the advertisement of the project. He was working on finalizing the real estate acquisition and preparing for the project kickoff and outlining the requirements of the Government's involvement. He was part of the selection committee during the selection of the contractor.
07/06 – 08/08	**Stuart Consulting Group.** Mr. Walsh was Project Manager, US Army Corps of Engineers, Hurricane Protection Office. Managed 20 projects from engineering, design, production of plans and specifications by an A/E, through advertisement, award and construction. Managed project budgets and schedules as well as project engineers and quality assurance representatives during construction. These projects were for the Task Force effort to repair damage caused by Hurricane Katrina to Orleans, Jefferson, St. Bernard and Plaquemines Parishes Pump Stations, totaling over $100M. Coordinated with the following the levee districts as a part of this project, Orleans, Pontchartrain, Lafourche, East and West Jefferson, Algiers and Lake Borgne, and was presenting to them and attending meetings as they were forming into SLFPA-East and SLFPA-West after Hurricane Katrina as well as CPRA.
96 – 07/06	**Lapalco Blvd. (Jefferson Parish) – Shread – Kuyrkendall & Associates, Inc.** Mr. Walsh was the Civil / Hydrologic / Hydraulic Engineer and project manager for design and construction project. LADOTD supervised project due to federal funding. Mr. Walsh surveyed the project and I took the survey data, downloaded and processed it and imported it into MicroStation to be used for the design and developed the surface used to design and make cross sections in InRoads. Engineered the subsurface drainage system, cross drains, horizontal and vertical alignments, typical sections and plans. Jefferson Parish selected the contractor and I managed the construction phase of this project. Responsibilities include approving pay estimates and material submittals, resolving all construction and design problems, managing material sampling plans, coordinating with parish officials, contractors and property owners, submitting plan changes to proper agencies, and managing field books and daily diaries. Also responsible for managing and supervising all inspection activities for this federally funded project. Construction Cost: $9.1M. Worked on engineering, design and surveying of the following LADOTD road design projects: ▶ LA 964 – US 61 to LA 63 ▶ US 171 – Many, Sabine Parish ▶ Groom Rd – LA 964 to LA 19 ▶ Lapalco Blvd – Barataria Blvd to Harvey Canal

	Firm	**Grey Engineering, LLC.**		
	Name	April Renard, PE, PTOE, RSP2I	Years of Relevant Experience with this Employer	<1
	Title	Principal Owner	Years of Relevant Experience with Other Employer(s)	16

Degree(s)/Years/Specialization			BS / 2006 / Civil Engineering
Active Registration Number/State/Expiration Date			PE #35660 / LA / 9.30.2024
Year Registered	2010	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities			Safety and Complete Streets Subject Matter Expert

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
06/22 - Ongoing	**Town of St. Francisville's Commerce Street Betterment Project, Town of St. Francisville, LA.** Ms. Renard is the lead engineer for the redesign of Commerce Street. The scope of the project includes narrowing the travel lane widths, installing wide sidewalks and new curbs, constructing raised crosswalks, providing angled on-street parking near the park's entrance, and retrofitting the catch basins with biofiltration beds.
10/22 - Ongoing	**BREC Dawson's Creek Trail and Health** L**oop.** Ms. Renard is the lead engineer for developing the conceptual layouts of the proposed health loop, connecting the Dawson's Creek Trail at Perkins Road Community Park to Ward's Creek Trail. This includes conducting on-site assessments of proposed trail segments and establishing the servitude limits for the proposed trail location.
10/20 - 09/21	**MOVEBR Capacity Program, City of Baton Rouge & Parish of East Baton Rouge, LA.** Complete Streets Lead. Ms. Renard served as the Subject Matter Expert on Complete Streets by reviewing all design studies, project design reports, and preliminary plans to ensure pedestrians, bicyclist, and transit users of all ages and abilities are provided reasonable and appropriate facilities given a project's context. Ms. Renard also led the development of standard street cross sections that were adopted into the MOVEBR Design Guidelines to improve walkability, bikability, ADA compliance, transit accommodations, calm traffic, mitigate stormwater runoff impacts, and improve water quality. She also produced and hosted a MOVEBR Design Guidelines workshop.
10/20 - Ongoing	**MOVEBR US 61/Scenic Highway Enhancement Project (LA 408/Harding Boulevard to Swan Avenue), City of Baton Rouge & Parish of East Baton Rouge, LA.** Ms. Renard is the project lead for the Scenic Highway Survey and Preliminary Design, developing existing plan and profile sheets, determining feasible typical sections and intersection geometry given constrained Right-of-Way and limited budget. Her work involves coordinating with various stakeholders within the community, the MOVEBR Program Management Team, and LADOTD representatives while producing technical concepts to address the purpose and need of the project. Concepts include ADA compliant sidewalks, bike lanes, traffic calming countermeasures, transit stop improvements, and green infrastructure (e.g. biofiltration swales and curb extensions).
07/19 - 10/20	**City of Baton Rouge & Parish of East Baton Rouge MOVEBR , CSRS, Inc., LA.** Project Manager. In the early phases of MOVEBR, Ms. Renard created the data-driven prioritization schema of MOVEBR projects and led the collection and processing of the data to produce the first tier of prioritized projects. Ms. Renard also developed the MOVEBR federal funding strategy matrix for pursuing federal funds for eligible projects. After the overall program strategy was developed, Ms. Renard served as a Project Manager for 6 MOVEBR Capacity Program projects (Midway, Constantin/Dijon, Old Hammond Highway Segment 1, Old Hammond Highway Segment 2, Harding at I-110 Interchange, Ardenwood-Lobdell Connector), which included coordinating all aspects of project delivery (e.g. traffic analysis, environmental permitting, state and federal agency requirements, design, Right-of-Way acquisition, utility coordination) for reducing project delivery time (schedules are managed in Primavera P6).

09/14 - 07/19	**LADOTD Highway Safety Manager, LA.** Ms. Renard was responsible for the development and implementation of Louisiana's Strategic Highway Safety Plan in coordination with the Federal Highway Administration. She provided direction to staff on the State's safety data analysis processes for identifying potential Highway Safety Improvement Program projects (23 U.S.C. 148). Ms. Renard provided guidance across disciplines on data-driven safety considerations within LADOTD's project delivery process and led the Complete Streets Policy implementation activities for Louisiana. Other projects included the management of the East Baton Rouge Parish Bicycle and Pedestrian Masterplan contract, oversight of the Local Road Safety Program in coordination with the Louisiana Local Technical Assistance Program (LTAP) Office, and the creation and administration of the first-of-its-kind Safe Routes to Public Places Program. While a LADOTD employee, Ms. Renard represented the State on the AASHTO Task Force for the Second Edition of the Highway Safety Manual and served as an expert witness concerning protected safety data.
02/10 - 09/14	**LADOTD Highway Safety Engineer, LA.** In her position, Ms. Renard managed consultant contracts for feasibility studies, developed a Road Safety Assessment report template and process, developed safety study guidelines for Transportation Management Plans, served on the State's Work Zone Task Force, conducted training and provided technical assistance for highway safety analytical tools, and conducted high-profile engineering studies (e.g. Statewide Cable Median Barrier Study, LA 10 Task Force study).
10/07 - 02/10	**LADOTD Traffic Engineer Intern, LA.** While Ms. Renard served in LADOTD's Traffic Engineering Section, she developed updated pavement marking standards for the state, produced traffic simulation models, reviewed pavement marking and signing plans, designed interstate guide signing projects, assisted in revising traffic impact study policies and trained Districts on new the policy, and reviewed consultant submittals of traffic engineering studies.
05/06 - 10/07	**ABMB (now Stantec).** Traffic Engineer Intern. Ms. Renard produced Interchange Justification Reports, Traffic Impact Studies, and simulation models. She conducted a Statewide Feasibility Study for Continuous Flow Intersections (CFI) for the Arkansas Highway Transportation Department, developed traffic signal inventories, and reviewed traffic signal plans for a variety of private development projects (e.g. Blue Cross Blue Shield, Woman's Hospital, L'Auberge, Walmart, Mall of LA).

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Section 17

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17. Firm Experience

Firm Name	AECOM Technical Services, Inc.		Past Performance Evaluation Discipline(s)*	Road & Traffic
Project Name	**LA 23 Bridge over Mid Barataria Sediment Diversion**		Firm responsibility (prime or sub?)	Prime
Project Number	BA-0153	Owner's name	Coastal Protection and Restoration Authority, State of Louisiana	
Project Location	Plaquemines Parish	Owner's Project Manager	Bradley Barth, PE	
Owner's Address, Phone, Email	150 Terrace Ave., Baton Rouge, LA, Phone: 225.342.7308, bradley.barth@la.gov			
Services Commenced by This Firm (mm/yy)	01/17	Total Consultant Contract Cost ($1,000's)	$39,223	
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$15,689	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Road Design of highway relocation
- ✓ Preliminary and Final Plan Preparation
- ✓ Intersection Design
- ✓ Hydraulic Analysis and Design
- ✓ Road Design Services During the Environmental Process

AECOM is the lead designer for the $1.4 Billon Construction Management at Risk (CMAR) project tbuild a sediment diversion channel between the Mississippi River and Barataria Bay. The project features include a Mississippi River Intake, four-lane Hwy 23 bridge, and a two-track Class I Railroad bridge, conveyance channel, earthen levees and floodwalls, a 750-cfs inverted siphon bank, miscellaneous facility buildings, and marsh creation areas to be constructed using excess, excavated earthen materials.

The four-lane highway will be relocated onto a new 2,300-foot-long prestressed concrete girder bridge structure within the existing highway right-of-way. Two-way, two-lane frontage roads will be constructed within the limits of the bridge structure to maintain access to the adjacent properties. ***AECOM is responsible for the planning, preliminary design, and final design of the bridge and its approaches along with the roadway modifications and traffic control plans during the construction of the bridge. AECOM also performed a traffic analysis for inclusion into the Environmental Impact Statement and Basis of Design report.***

The project is being designed at a co-location office with weekly design meetings between AECOM, the CMAR contractor, and the Owner Program Management Team to tailor the designs to CMAR's means and methods and include CMAR suggestions for improvements in constructability.

At submittal milestones, cost estimating reconciliation meetings are held with CMAR and Independent Cost Estimator to identify and resolve estimating differences. The design is being coordinated with DOTD, the NOGC Railroad, affected utilities, and the adjacent PLT facility design staff to confirm interfaces between the project and other projects and existing conditions are properly resolved in a satisfactory manner. Permit sketches for USACE and US Coast Guard review were developed. Special roll plots were developed for coordination with stakeholders and property owners adjacent to the Highway to depict ROW impacts and property access changes. The project is currently the largest project in the State of Louisiana that is utilizing the CMAR project delivery method as enabled by state legislation and implemented using the DOTD CMAR Manual.

AECOM Team: Chris McKown, Jonathan McDowell, Greg Trahan, Sreeni Bollu, Jonathan Giardina, Daniel Helms, Sarah McEwen

Firm Name	AECOM Technical Services, Inc.		Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**Jones Creek Road Extension Traffic Study and Traffic Signal Design**		Firm responsibility (prime or sub?)	Sub
Project Number	19-CS-HC-0036	Owner's name	City-Parish of East Baton Rouge	
Project Location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Cyndi Pennington	
Owner's Address, Phone, Email	329 Chippewa Street, Suite A, Baton Rouge, LA 70802; (225) 389-3246; cpennington@brla.gov			
Services Commenced by This Firm (mm/yy)	12/20	Total Consultant Contract Cost ($1,000's)	$1,252	
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$434	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Traffic Engineering
- ✓ Traffic Design

AECOM was hired to provide traffic engineering and traffic design services to develop an updated traffic report and the design for a new traffic signal, for the extension of Jones Creek Road, from Tiger Bend Road to Jefferson Highway, in East Baton Rouge Parish (Louisiana), a project under the $1B MOVEBR Infrastructure Program.

Using the forecast year volumes, AECOM analyzed the use of traffic signals at Jones Creek Road at Tiger Bend Road and at Jefferson Highway. An analysis of alternative design intersections (RCUT, MUT), which qualitatively evaluated the operations, safety, and right of way impacts for a proposed non-signalized intersection at Jones Creek Road at Profit Avenue was required. The operational analysis performed by AECOM used Synchro, Sidra and HCS, respectively, which helped to determine the lane configuration and the turn lane lengths required to provide acceptable levels of service (LOS) in the design year.

The design of the traffic signal at Jones Creek Road at Tiger Bend Road has several complications that the design team was required to accommodate, as a part of the design. Due to roadway widening, the existing traffic signal would not be able to operate throughout construction. Working with the road design team, AECOM was able to design the signal to operate without the need for a temporary traffic signal that would have been difficult to maintain across various construction phases. Based on the forecast traffic volumes, a free-flow movement was necessary, which required modifications to the pedestrian and bicyclist facilities, that are included in this project to promote regional active transportation connectivity, to allow for safe passage. Further, the signal design required accommodation of a large box culvert, providing for regional drainage that could not be removed.

A full set of construction plans, and a complete Traffic Study will be submitted for this project.

AECOM Team: Jonathan Giardina, Daniel Helms, Ramya Rayapureddy, Greg Trahan, Jonathan McDowell

Firm Name	AECOM Technical Services, Inc.			Past Performance Evaluation Discipline(s)*	Road & Traffic
Project Name	**College Drive Enhancement Project**			Firm Responsibility (Prime or Sub?)	Prime
Project Number	19-EN-HC-0033	Owner's Name	City-Parish of East Baton Rouge		
Project Location	Baton Rouge, Louisiana		Owner's Project Manager	Scott Hoffeld	
Owner's Address, Phone, Email	1200 Brickyard Lane, Suite 400, Baton Rouge, LA 70802; (225) 572-7111; scott.hoffeld@stantec.com				
Services Commenced by This Firm (mm/yy)	09/20	Total Consultant Contract Cost ($1,000's)		$1,740	
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)		$1,024	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Traffic Engineering
- ✓ Traffic Safety
- ✓ Roadway Design during Environmental Process
- ✓ Bike and Pedestrian Alternatives
- ✓ Environmental and Scoping Services

AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street, including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program.

The Design Study will produce preliminary concepts that are improvements to corridor connectivity, access management, pedestrian and bicycle safety, capacity improvements that will be evaluated using mesoscopic modeling. The concepts will be assembled into corridor alternatives that will be analyzed using VISSIM. Environmental impacts, ROW impacts and acquisitions, utility relocations, implementation of green infrastructure elements, project construction costs, traffic operations and safety improvements will be factors in the evaluation. The project also includes public involvement, stakeholder engagement, and railroad coordination for modifications to the railroad crossing. The alternatives and the project areas environmental inventory will be documented using the Stage 0 Scope and Budget and Environmental Checklists.

Once an alternative is selected, two sets of preliminary and final plans will be completed. One set will be for identified interim improvements. Final plans will be developed for the complete plan as documented in the selected alternative.

AECOM is coordinating and collaborating with LADOTD and the City-Parish of East Baton Rouge in the development of the operational and safety analyses. This includes the assessment of past traffic studies to compare that data with the current traffic volumes to determine the COVID-19 impact to traffic along this vital corridor.

A full and complete TEPR compliant Traffic Study will be submitted for this project.

Topographic survey services provide by Civil Design and Construcion, Inc.

AECOM Team: Jonathan McDowell, Greg Trahan, Daniel Helms, Derek Chisholm, Chris McKown, Jonathan Giardina

Firm Name	AECOM Technical Services, Inc.	Past Performance Evaluation Discipline(s)*	Road & Traffic
Project Name	**Siegen Lane Improvements, Highland Road (LA 42) to 650 feet south of Perkins Road (LA 427)**	Firm Responsibility (Prime or Sub?)	Prime
Project Number	N/A	Owner's Name	City of Baton Rouge/Parish of E. Baton Rouge
Project Location	Baton Rouge, LA	Owner's Project Manager	Tom Stephens
Owner's Address, Phone, Email	222 Saint Louis Street Baton Rouge, LA /225.389.3158		
Services Commenced by This Firm (mm/yy)	02/07	Total Consultant Contract Cost ($1,000's)	Unknown
Services Completed by This Firm (mm/yy)	12/09	Cost of Consultant Services Provided by This Firm ($1,000's)	$1,183

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Roadway Design
- ✓ Traffic and Design Study
- ✓ Hydraulic Design
- ✓ Traffic Signals/Intersection Treatments
- ✓ Construction Services
- ✓ Survey
- ✓ Final Design
- ✓ ROW Maps
- ✓ Complete Streets Design

AECOM provided preliminary and final engineering design and environmental services to complete a design study and final construction documents for the reconstruction of one and a quarter mile segment of Siegen Lane (LA 3246) between highland Road and Perkins Road.

The improvements include:

- Widening Siegen Lane from two-lane suburban road to a four-lane urban boulevard
- Traffic signal and geometric improvements at the Highland Road intersection along Highland Road, Burbank Drive and the widened Siegen Lane
- Addition of a traffic signal at the intersection of Siegen Lane with Briar Hollow Drive and a relocated North Oak Hills Parkway
- Interconnection of traffic signals in the project corridor
- Addition of subsurface drainage along the limits of the project
- Sanitary sewer force main relocation and improvements

The first phase of the project was a design study which included preliminary roadway design, hydraulic design using HEC-RAS models of two culvert crossings, traffic analysis, cost estimating, identification of required right-of-way, identification of utility relocations, wetland delineation, noise analysis, a signal warrant analysis for the proposed signal at North Oak Hills Boulevard, and Phase I environmental Site Assessments. Upon approval of the design study report, AECOM prepared final construction documents and right-of-way maps for the proposed improvements within the parish. Since Siegen Lasne is a state highway, this project required close coordination with LADOTD in addition to the "Green Light Plan" program managers.

AECOM Team: Jonathan McDowell, Greg Trahan

Firm Name	AECOM Technical Services, Inc.			Past Performance Evaluation Discipline(s)*	Traffic Design, Road Design, Hydraulic Design
Project Name	**US 49, between Orange Grove Road and St. Charles Road**			Firm Responsibility (Prime or Sub?)	Prime
Project Number	N/A	Owner's Name	Mississippi Department of Transportation		
Project Location	Harrison County, MS		Owner's Project Manager	Amanda Clark, PE	
Owner's Address, Phone, Email	401 N. West Street, Jackson, Mississippi, 601.359.1442, aclark@mdot.gov				
Services Commenced by This Firm (mm/yy)	08/22	Total Consultant Contract Cost ($1,000's)		$248K	
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)		$213,642	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Roadway Design
- ✓ Traffic and Design Study
- ✓ Hydraulic Design
- ✓ Traffic Signals/Intersection Treatments
- ✓ Construction Services
- ✓ Survey
- ✓ Final Design
- ✓ ROW Maps
- ✓ Complete Streets Design

AECOM was assigned to introduce safety countermeasures to two intersections along US 49, in Harrison County, under the Highway Safety Improvement Program (HSIP). The two intersections currently allow all movements and are controlled by side street stop only. A review of crash data and subsequent intradepartmental review meeting identified this location as needing additional safety intervention.

The Scope of Work includes the design of two directional medians, at the intersections of US 49 at Oak Lane and US 49 at Davis Circle. The project also includes the mill and overlay of the mainline of US 49, modifications to roadway drainage, including addressing a pipe collapse, and providing topographical survey. AECOM will produce plans and meet with MDOT at the Conceptual, Field Inspection, and Office Review stage. MDOT desires to let this project in FFY 2023, which requires AECOM to keep and maintain an aggressive design schedule.

AECOM Team: Jonathan Giradina, Will Fullilove, Daniel Helms

As design progressed, AECOM identified that the left turns from US 49 should be off-set to allow for drivers in the opposing direction to have an increased line of sight. AECOM, through coordination with MDOT, also recommended the removal of the southbound left turn based at Oak Lane, to further enhance safety.

US 49 was milled and overlayed, during the development of this HSIP project. MDOT coordinated with the paving project contractor to forego paving the travel lanes within AECOM's project limits. The paving of the shoulders and cross streets was completed in 2022. AECOM is tasked with mitigating the impact to the new pavement into its design by tying into the newly paved shoulders.

The reconstructed median cross overs required drainage improvements. These improvements included the redirection of sheet flow, the addition of storm sewer inlets, improvements to the existing pipe networks, and safety end treatments to existing culvert crossings.

Firm name	Buchart Horn, Inc.		Past Performance Evaluation Discipline(s)*	Traffic
Project name	**Jefferson Highway at Corporate Intersection Improvements, City of Baton Rouge/Parish of East Baton Rouge, LA.**		Firm responsibility (prime or sub?)	Prime
Project number	H.011695.1	Owner's name	City of Baton Rouge - Department of Public Works	
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Brian Smith	
Owner's address, phone, email	City of Baton Rouge & Parish of East Baton Rouge			
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost ($1,000's)	Ongoing	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	Ongoing	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Planning
- ✓ Traffic

BH is providing design to extend existing and incorporate additional turning lanes, where necessary, to increase storage length and improve capacity. In addition to turning lane improvements, pedestrian facility and driveway access enhancements will be made to improve safety, pedestrian connectivity to transit facilities, and access management.

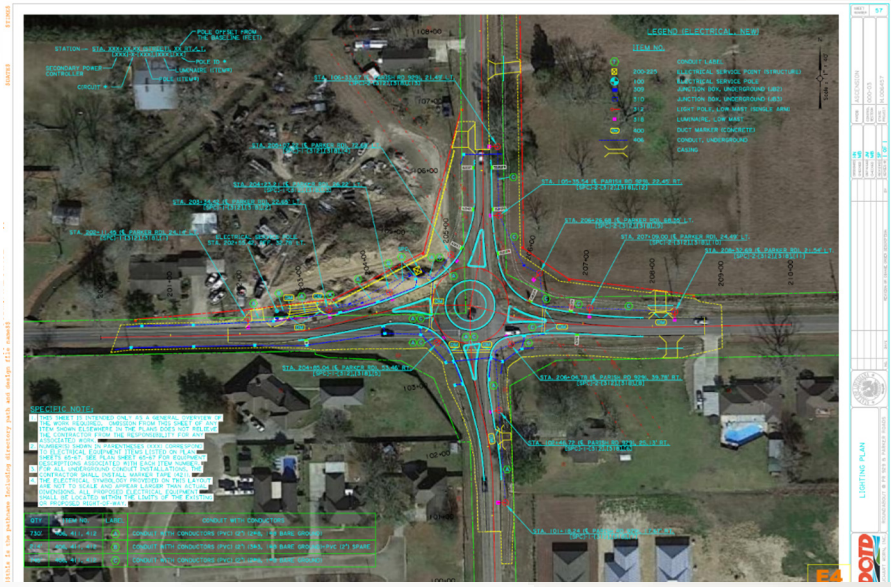
Buchart Horn Team:Jimmy Dickerson, Cal Joy, Joseph Mingo, Karren Atchison, Hugo Leiva, Kevin Gaspard, David Britner

Firm name	Buchart Horn, Inc.			Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**New Roundabout, Parish Road 929 at Parker Road**			Firm Responsibility (Prime or Sub?)	Prime
Project Number	81054-08	Owner's name	Ascension Parish		
Project Location	Prarieville, LA	Owner's Project Manager	Marco Gonzalez		
Owner's Address, Phone, Email	1100 Webster Street, Donaldsville, LA 70804, 205.641.5377, marco.gonzalez@volkert.com				
Services Commenced by This Firm (mm/yy)	07/17	Total Consultant Contract Cost ($1,000's)	$486		
Services Completed by This Firm (mm/yy)	08/18	Cost of Consultant Services Provided by This Firm ($1,000's)	$365		

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Planning
- ✓ Traffic Design
- ✓ Feasibility Study

BH provided feasibility study and design services for a roundabout at the intersection of Highway 929 and Parker Road. The project consisted of two phases; the first was LADOTD, Parish, and pipeline utility coordination to determine feasibility and receive written approvals. The second was design and permitting. BH evaluated conceptual alternatives for the intersection in order to improve capacity and/or safety. Upon acceptance and authorization from LADOTD and the pipeline companies, BH provided the design and specifications for public bidding.



Buchart Horn Team: Jimmy Dickerson, Joseph Mingo, Kevin Gaspard, Karren Atchison, Cal Joy, David Britner

Firm name	Buchart Horn, Inc.		Past Performance Evaluation Discipline(s)*	Traffic
Project name	**New Roundabout at LA 931 and Roddy Road**		Firm responsibility (prime or sub?)	Prime
Project number	MA-18-10	Owner's name	Ascension Parish	
Project location	Gonzales, LA	Owner's Project Manager	Kenny Matassa	
Owner's address, phone, email	PO Box 2392, Gonzales, LA 70707, 225.450.1012, kmatassa@apgov.us			
Services commenced by this firm (mm/yy)	07/17	Total consultant contract cost ($1,000's)	$629	
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm ($1,000's)	$500	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

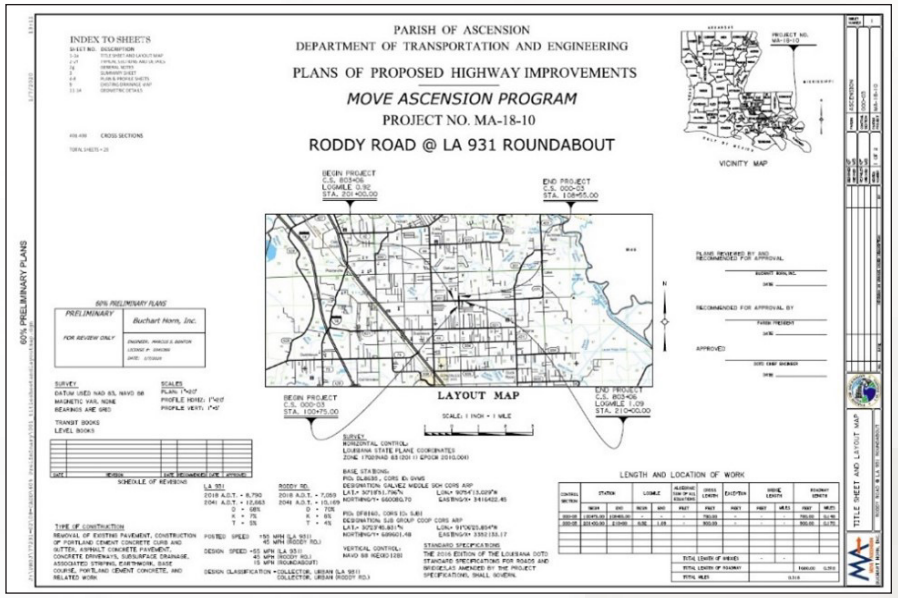
- ✓ Roadway Design
- ✓ Topo Survey
- ✓ Bridge Design
- ✓ R.O.W. Maps

BH was selected by Ascension Parish to provide Road Design & Traffic Engineering services for a period of five years (2017-2022) under the MoveAscension program. One of the projects assigned under this program was the intersection improvements and roundabout study/ design for the intersection of LA 931 and Roddy Road.

Although Roddy Road is a Parish roadway, the fact that it intersects with a State Route triggered the need for LADOTD review and approval. BH successfully implemented the Traffic Engineering Process and Report in the study and design and has received preliminary approval from LADOTD for a project permit at this location.

This intersection historically involved high frequency and high severity crashes. BH provided design services for a new single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services included preparing a roundabout report (crash analysis, cost-benefit analysis, traffic analysis, speed study, safety analysis), electrical lighting design, subsurface drainage, permit application, preliminary and final design plans, specifications, special provisions, construction estimates, and engineering calculations. The design complies with state and federal guidelines.

In addition to our Prime responsibilities, BH has made multiple contributions to the MoveAscension program as a subconsultant within various Teams.



Buchart Horn Team: Jimmy Dickerson, Joseph Mingo, Karren Atchison, Kevin Gaspard, Cal Joy, Jeffrey Stone, Steven Moore

Firm name	Civil Design & Construction, Inc.			Past Performance Evaluation Discipline(s)*	Survey
Project name	I-10 TX State Line East of Coone Gully			Firm responsibility (prime or sub?)	Sub
Project number	H.003184.5	Owner's name	LADOTD / Stanley Ard, PLS		
Project location	Calcasieu Parish, LA		Owner's Project Manager	Stanley Ard, PLS	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA70802/225-379-1232/Stanley.ard@la.gov				
Services commenced by this firm (mm/yy)	10/15	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	12/18	Cost of consultant services provided by this firm ($1,000's)		$443	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

✓ Topographic Survey

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

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

CD&C's Role: CD&C performed a complete topographic survey in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation Procedures for this project. A topographic survey was already completed at all bridge sites located within the limits. The survey included all utilities with depths and information, all drainage structures, and all survey DTM and improvement features that fell inside the survey limits. Due to traffic concerns 3D Terrestrial Scanning was utilized for the location of roadways and traditional means and methods were used to complete the topographic survey on this project. The final submittal of the survey was a combination of the supplied data from LADOTD for the bridges with the current survey that was completed for this project. Members Involved: CD&C employees involved in the project included Karla E. Weston, P.E.; Ralph Burgess, PLS, Survey Manager; Chris Ballard, PLS Survey Project Manager; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D Scanning Technician; John Ewing, Survey Technician, Scott Benton, 3D Scanning Technician.

CDCTeam: Karla E. Weston, P.E.; Ralph Burgess, PLS, Chris Ballard, PLS; Phil Dupree, Trent Norris

Performed in LA: 100%

Firm name	Civil Design & Construction, Inc.			Past Performance Evaluation Discipline(s)*	Survey
Project name	**I-10: LA 415 to Essen Lane on I-10 and I-12**			Firm responsibility (prime or sub?)	Subs
Project number	H.004100	Owner's name	LADOTD		
Project location	West and East Baton Rouge, LA		Owner's Project Manager	Nicholas Olivier	
Owner's address, phone, email	1201 Capital Access Rd, Baton Rouge, LA 70802 / 225-379-1232 / Nicholas.olivier@la.gov				
Services commenced by this firm (mm/yy)	01/18		Total consultant contract cost ($1,000's)	N/A	
Services completed by this firm (mm/yy)	on-going		Cost of consultant services provided by this firm ($1,000's)	$296	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

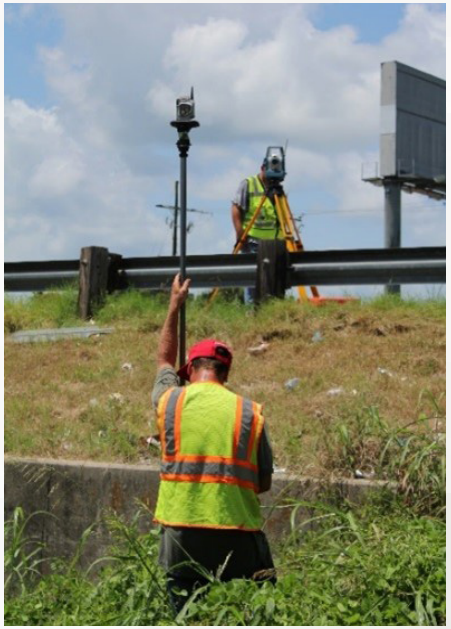
✓ Topographic Survey

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

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

Performed in LA: 100%

CDCTeam: Karla E. Weston, P.E.; Ralph Burgess, PLS, Christopher Ballard, PLS; Phil Dupree; Trent Norris



Firm name	Civil Design & Construction, Inc.			Past Performance Evaluation Discipline(s)*	Survey
Project name	**Verot School Road**			Firm responsibility (prime or sub?)	Sub
Project number	H.011235	Owner's name	LADOTD		
Project location	Lafayette, LA		Owner's Project Manager	Thomas Gattle (Huval & Assoc.	
Owner's address, phone, email	922 W. Point Des Mouton Rd., Lafayette, LA 70507/337-234-3798/tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	01/18	Cost of consultant services provided by this firm ($1,000's)		$435	

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

- ✓ Movable Bridge Rehabilitation
- ✓ Bridge Inspection
- ✓ Instrumentation
- ✓ NDT/Evaluation
- ✓ Preventative Maintenance & Repair

This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA. The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map.

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

Performed in LA: 100%

CDCTeam: Karla Weston, PE; Ralph Burgess, PLS; Christopher Ballard, PLS ; Trent Norris; Phil Dupree

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

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

✓ Survey

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

GOTECH provided topographic and utility location survey services in support of design plans and specifications for a complete lighting system 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.

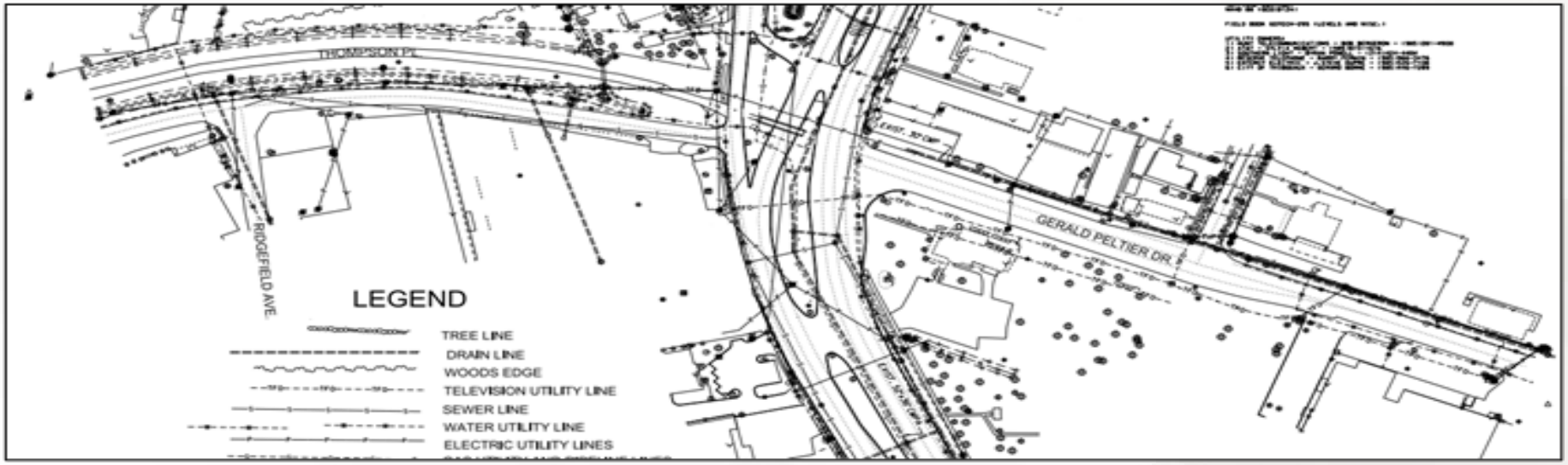
Firm name	GOTECH Inc.			Past Performance Evaluation Discipline(s)*	Survey
Project name	**Acadian Rd Roundabout, Route LA 20 (Canal Blvd) & Local Routes (Back Street, Jackson Street, Thompson Place)**			Firm responsibility (prime or sub?)	Sub
Project number	4400004485; H..009320	Owner's name	LADOTD		
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		

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

✓ Survey

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

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.



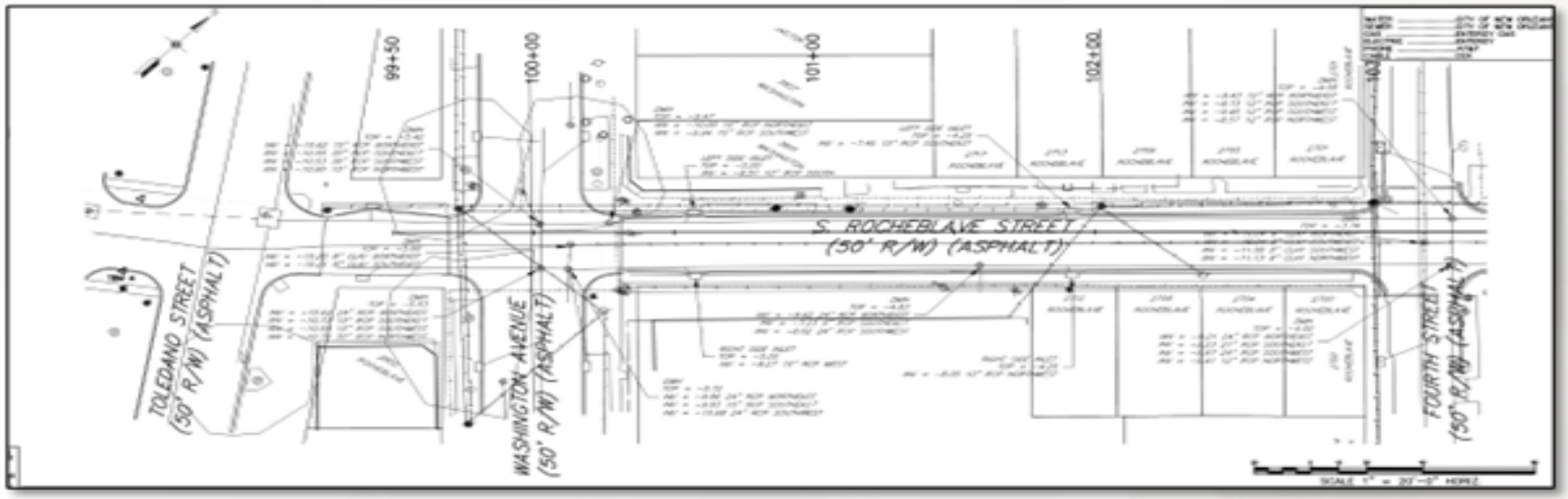
Firm name	GOTECH Inc.			Past Performance Evaluation Discipline(s)*	Road
Project name	**New Orleans Street Rehab (Central City Group A)**			Firm responsibility (prime or sub?)	Sub
Project number	PW#7124804	Owner's name		City of New Orleans	
Project location	Orleans Parish, LA		Owner's Project Manager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

RELEVANCY TO THE IDIQ FOR ROADWAY DESIGN:

✓ Road Design

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

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



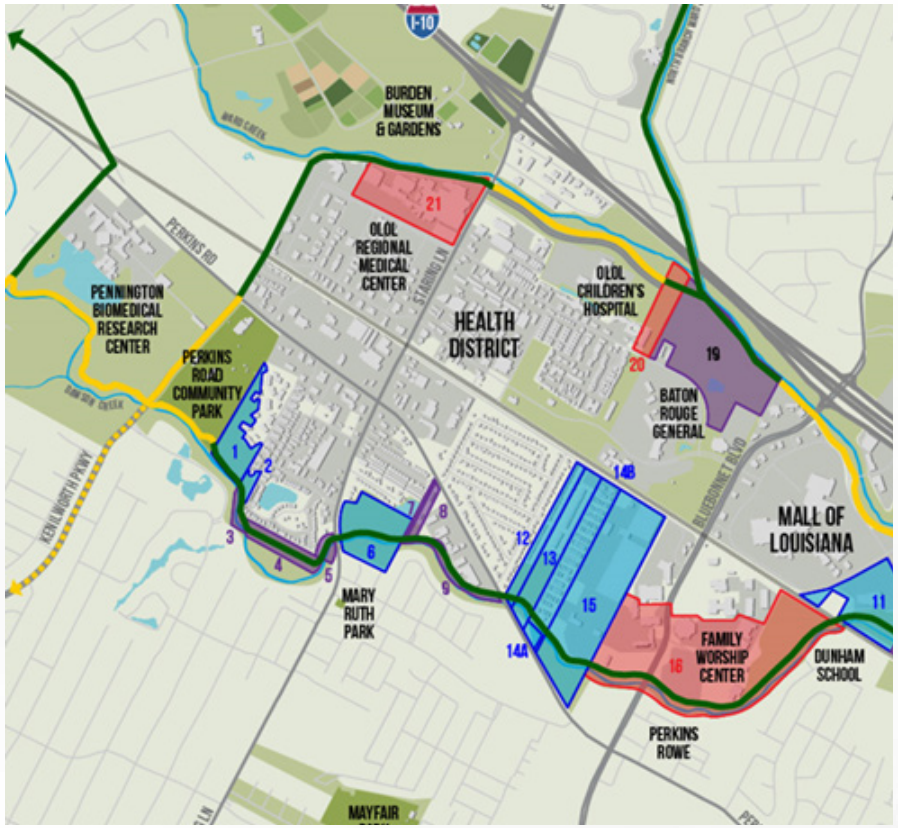
Prime consultant firm name: **AECOM Technical Services, Inc. (AECOM)**

Firm name	Grey Engineering, LLC			Past Performance Evaluation Discipline(s)*	Traffic
Project name	**Commerce Street Betterment Project**			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name		Town of St. Francisville	
Project location	St. Francisville, Louisiana		Owner's Project Manager	Laurie Walsh	
Owner's address, phone, email	11936 Ferdinand Street, St. Francisville, LA 70775; (225) 635-3688; lwalsh@townofstf.com				
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost ($1,000's)		$25	
Services completed by this firm (mm/yy)	06/23	Cost of consultant services provided by this firm ($1,000's)		$25	

April Renard, as the firm's owner/principal and engineer, is the lead for the Commerce Street Betterment Project extending from Burnett Road to Pecan Grove Road. The project goals are to improve walkability, reduce vehicular speeds, enhance tourism, encourage healthy transportation choices, and protect the environment through the use of green infrastructure strategies. Phase 1 will extend from Burnett Road to Ferdinand Street and include angled on-street parking along the edge of Parker Memorial Park, burial of overhead electric power lines, ADA compliant sidewalks on both sides of the roadway, pedestrian-scale lighting, and a raised crosswalk with curb extensions and biofiltration beds on both ends. Phase 2 will extend from Ferdinand Street to Pecan Grove Road and will include a signal upgrade at the intersection of Commerce Street and Ferdinand Street to include audible pedestrian signals, ADA compliant sidewalks on both sides of the roadway, pedestrian-scale lighting, and a raised crosswalk with curb extensions and biofiltration beds on both ends

Grey Engineering Team: April Renard

Firm name	Grey Engineering, LLC			Past Performance Evaluation Discipline(s)*	Traffic
Project name	**BREC Dawson's Creek Trail & Health Loop**			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	BREC		
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Kelly Duggan	
Owner's address, phone, email	6201 Florida Boulevard, Baton Rouge, LA 70806; 225-273-6405 EXT 1701; kelly.duggan@brec.org				
Services commenced by this firm (mm/yy)	10/22		Total consultant contract cost ($1,000's)	$6	
Services completed by this firm (mm/yy)	12/23		Cost of consultant services provided by this firm ($1,000's)	$6	



Developing conceptual layouts for the Dawson's Creek Trail, connecting the BREC Perkins Road Community Park to other trail segments and eventually the Ward's Creek Trail. The scope of work includes conducting on-site assessments of existing conditions, identifying existing utilities and significant vegetation, collecting ground elevation data, and establishing servitude limits for trail construction.

Grey Engineering Team: April Renard

Firm name	Grey Engineering, LLC			Past Performance Evaluation Discipline(s)*	Traffic
Project name	**MOVEBR Scenic Highway Enhancement Project**			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name		City of Baton Rouge – Parish of East Baton Rouge	
Project location	Scotlandville, Louisiana		Owner's Project Manager	Tom Stephens	
Owner's address, phone, email	222 Saint Louis Street, 8th Floor Baton Rouge, LA 70802, (225) 289-3158, tstephens@brla.gov				
Services commenced by this firm (mm/yy)	02/22	Total consultant contract cost ($1,000's)		$25	
Services completed by this firm (mm/yy)	06/23	Cost of consultant services provided by this firm ($1,000's)		$25	

Grey Engineering Team: April Renard

April Renard serves as a sub-consultant to GOTECH, Inc. who is responsible for surveying and preliminary engineering services for US 61 / Scenic Highway from LA 408 / Harding Boulevard to Swan Avenue. Project concepts are constrained by existing Right-of-Way and limited budget. The scope of work includes a topographic survey, traffic study, existing drainage map, drainage design, green infrastructure report, typical sections, plan and profile sheets, a design study, and preliminary design report.

April worked with GOTECH to develop conceptual geometry and also worked with Arcadis to produce a traffic study that assessed feasible alternatives for the corridor and the intersections. Draft roadway geometry has been developed to incorporate ADA compliant sidewalks, bike facilities, traffic calming countermeasures, transit stop improvements, and crossing improvements.

The final design study will include a proposed typical section, plan and profile sheets, intersection geometry and a preliminary engineering cost estimate. In addition, safety improvements will be incorporated at the intersection of Scenic and Harding Boulevard.

AECOM

Section 18

AECOM
Systemic Curves Improvements
Sign Replacement and High
Friction Surface Treatment
Statewide

Delivering a better world

18. Approach and Methodology

The AECOM Team

AECOM has assembled a diverse team of accomplished professionals with expertise in road design, hydraulic analysis and design, transportation and environmental planning, traffic and safety engineering, and surveying services who stand ready to serve the Louisiana Department of Transportation and Development (LADOTD) in response to your Request for Proposals for the IDIQ Contract for Roadway Design Services. The AECOM Team primarily comprises of local staff who have a long history with working with the DOTD to successfully perform projects.

AECOM is partnering with **Buchart Horn Inc.,** to bring additional depth and experience that will not only complement our team, but also enhance our ability to execute multiple task orders, quickly taking a project from kickoff to construction. AECOM has previously partnered with Buchart-Horn, Inc., and has demonstrated how we can efficiently and effectively work as an extension of the LADOTD staff to address needed roadway projects in a timely manner.

For topographic surveys, we are partnering with **Civil Design and Construction (CDC),** a DBE who is known to LADOTD for their successful and on-time delivery of topographic surveys. CDC has multiple teams where they can perform multiple surveys concurrently if needed.

For hydraulic design and analysis support, we are also partnering with **GoTech,** a DBE who is also known to DOTD for their ability to deliver successful projects. GoTech will also support the Team by adding capacity to collect survey, allowing our Team to simultaneously work on multiple task orders with no delay to the Department.

We are also partnering with **Grey Engineering, LLC,** another DBE firm, for support in design reviews, especially any design reviews with complete streets. Grey's extensive work the HSIP program and with LADOTD will benefit the team to deliver quality projects in less time.

Our team has a well-documented history working together with LADOTD to successfully deliver our services on time and on budget. Note, we are wrapping up tasks on the Mid Barataria Sediment Diversion and I-49 Connector and will have road design and traffic engineering staff available for new assignments.

"AECOM performed well on this project. They were responsive and provided good work."

-- Noel Ardoin, DOTD Environmental Section. Ref. SPN H.001779 – Jimmie Davis Bridge (LA 511) EA

We understand that LADOTD seeks a consulting firm to perform task orders of various types of roadway design projects. These projects could range from roadway resurfacing and rehabilitation projects, intersection improvements and roundabouts, to roadway widenings and reconstructions. We believe the AECOM team is well suited to successfully deliver any of these projects, regardless of magnitude or type.

Our team is also ready and capable to provide the specific services listed in the IDIQ, which may include, but are not limited to, the following:

- Topographic Surveys
- Traffic Control Design, Traffic Signal Analysis and Design
- Preliminary and Final Roadway Design, Plan Development, and Cost Estimates
- Hydraulic Design
- Road Design Services During the Environmental Process
- Special Provisions Write Ups
- Transportation Management Plans
- Quality Plan Reviews
- Construction Support

"The AECOM Team was proactive and always on top of the project. Their communications and correspondences are clear and promt... their management of bridge tasks exceeded my expectations."

-- Jenny Fu, DOTD Bridge Design Engineer Administrator and I-49 Bridge Task Lead.

We understand that LADOTD will provide subsurface utility engineering, geotechnical engineering, pavement design, property survey and ROW mapping, and structural design for these projects. Notwithstanding, the AECOM team has the capability and can provide any of these services upon request.

Project Manager and Team Organization

Our Team proposes **Gregory Trahan, PE, RSP**[1] as the Project Manager for this IDIQ contract. Greg is based out of the AECOM Baton Rouge office and has over 17 years of experience developing, managing, and leading these type projects. He and his team have worked on road design projects of various types and sizes for LADOTD and various municipalities and other political subdivisions within the State of Louisiana, as well as projects for DOTs in nearby states including, Florida, Mississippi, Arkansas, and Texas. He has led and currently leads projects or road design tasks in all stages of the Project Delivery Process including Stage 0 Feasibility Studies, Environmental

Assessments (EAs), Environmental Impact Statements (EIS), Preliminary and Final Design, and Construction Support services. He has attended the NHI Course NEPA and the Transportation Decision Making, the LADOTD TEPR Modules, and is a ATSSA Certified Traffic Control Supervisor. He also served as Project Manager and Deputy Project Manager over LADOTD IDIQ or multiple task order type contracts. He will serve as the overall Contract Manager.

The AECOM team works in an integrated environment. Within the office, the AECOM transportation team sits within an open environment where all disciplines sit among each other. Our company also promotes communication between offices and subconsultants through the use of Microsoft Teams and Projectwise. This environment promotes efficiency in communication and collaboration which results in a more responsive team. For example on the I49 Connector project, these collaboration tools allowed our team to have On Demand meetings or sidebar discussions between disciplines or bring in subject matter experts at a moment's notice that allowed for quicker resolution of task conflicts.

Project Scoping and Management

For each Task Order, our goal is to deliver a quality project in a timely manner and within budget. Each project comes with its different challenges and issues, but to meet our goal for a successful project we understand we need to be knowledgeable of the project details and responsive to the client. It starts at the beginning when a task order is in the scoping phase. We want to gain a clear understanding of the LADOTD's goals and expectations for the project. That first step includes coordination with the LADOTD PM, understanding LADOTD's wants and needs, identifying key stakeholders, and asking informed questions to develop a complete scope. From there, we can assign a task manager that best fits the project, prepare a proper manhour and fee estimate, and develop an accurate project schedule.

We understand multiple task orders may be ongoing simultaneously or certain task orders may have critical time durations. To serve the contract, AECOM proposes multiple teams leads which may be assigned from either AECOM or Forte and Tablada. The task managers are identified in the organization chart. The intent of our Team is to perform the work locally, here in Louisiana. If timelines dictate or there is a desire to implement a specific innovation that is working elsewhere, AECOM can be a conduit to incorporate support staff from our offices throughout the United States. This proposed organization allows for seamless project teams that can provide innovation, cost savings, and expedited project delivery, all of which provide value to LADOTD.

Understanding of DOTD's Plan Delivery Process

Scoping. Just prior to the NTP of the Task Order, the Task Manager will develop a Project Plan which will serve as the management tool for the project. Our Project Plan is scaled to the magnitude of the project but at a minimum includes the following information:

- The Task Order Scope of Services
- Team Organization and Primary Points of Contact for the Client and for the Team
- Communications Protocols
- Project specific Design Criteria and Identified Design Codes and Standards
- Project Budget and Work breakdown Structures (WBS)
- Project Schedule
- List of Anticipated Deliverables and Milestones
- Quality Control Plan
- Project Risk Register
- CAD Plan
- Safety Plan
- Identification of any Special Project Requirements

Project Kickoff Meeting. Following NTP, the Task Manager will request a kickoff meeting with the LADOTD PM and any LADOTD technical staff assigned to the project. At AECOM, we believe a kickoff meeting is critical to reaffirm goals and expectations. At the kickoff meeting, scope, schedule, budget, team assignments, potential risks to success, and necessary deliverables and major milestones will be reviewed. We routinely cover methodology, software validation, and other technical matters with the team at the Kickoff Meeting. We also will ask for access to any previous studies, as-built information, and other information that may be needed to understand the project site that was not already gathered during the scoping phase. This meeting sets the course for our Team to proceed in an efficient manner.

Data Collection and Field Visits. A key step to the development of any design is to get into the field at the project site and witness the conditions there firsthand. The team would be responsible for the documentation of site conditions, including geometric layout, any noted site deficiencies, and driver behavior. The team will then use this collected data to inform the design, so the project will address LADOTD and road user needs.

During this phase, we will collect and review any available existing information specific to the project so that such information can inform the project team. Topographic Surveys will also occur during this phase.

Stage 3: Preliminary and Final Plan Development. We anticipate using the process outlined in LADOTD Road Design Manual. We expect submittal stages at 30%, 60%, 95%, and 100% Preliminary Plans and at 60%, 95%, 98%, and 100% Final Plans. We expect separate NTPs for each phase. To expedite projects, during the Kickoff Meeting and in subsequent coordination with LADOTD, we support a review of the submittal stages for each task to mutually agree if certain stages could be waived. We will discuss the preliminary road design report and what plans will be provided at each submittal, so all expectations are met prior to plan development.

Designs will be in accordance with LADOTD Design Criteria including the Road Design Manual, Minimum Design Guidelines, the LADOTD Hydraulic Manual, LADOTD Traffic Signal Manual, and all other applicable road design publications. These may include, but are not limited to, the AASHTO Green Book, the AASHTO Roadside Design Guide, AASHTO Geometric Design of Low-Volume Roads, AASHTO Design Guidelines for Bicycles and Pedestrian the MUTCD, the Highway Safety Manual, and applicable guidance from FHWA, ITE, or other state DOTs where similar innovative road design treatments or ideas have been implemented. While our Team desires to conform with LADOTD design standards, there may be times that the most practical design may require a Design Waiver(s) or Exception(s). In these rare circumstances, we anticipate performing a safety analysis, applying the use of Crash Modification Factors, to compare relative impacts of design alternatives in support of possible waivers and exceptions. To that end, Daniel Helms and Greg Trahan hold Road Safety Professional certifications and lead or complete these analyses.

The AECOM Team is proficient with LADOTD's current preferred software including MicroStation, InRoads, CAD Conform and HYDRWIN. With that said, our Team will provide staff with expertise and knowledge of additional software, including Bentley's OpenRoads, HEC-RAS and SWMM where required to design or check hydraulic models or designs, HCS, Sidra, VISSIM to check capacity or turn lane lengths, and others, as the need arises, and IHSDM or other safety analysis tools used by the Highway Safety Section.

We anticipate the critical milestones for a plan development project are as follows:

60% Preliminary Plans – will depict Horizontal and Vertical Geometry, Roadway Drainage Design, Preliminary Hydraulics Report, Striping Layouts, Preliminary Required ROW lines, and 3D modeling.

95% Preliminary Plans – will depict Updates of the 60% plans, and preliminary sequence of construction, master summary of quantities, and necessary QA/QC Checklists. This set will be used for the Plan in Hand meeting and Field Visit. Coordination with LADOTD District and Utilities and/or Railroad.

The AECOM team will also coordinate **100% Preliminary Plans** will address the comments from the 95% Preliminary Plans set, provide Final ROW lines, preliminary engineering estimate of probable cost, and any permit sketches that have been requested. Also submit for any design exceptions or waivers. This plan set may also include proposed traffic signal hardware locations and proposed signal timings. Otherwise, these traffic signal related plans could be delivered under a separate 30% Final Plan submittal fi requested.

Upon receipt of NTP for Final Plans, the AECOM team will coordinate with the LADOTD PM for any updates and set expectations for the final plans phase.

At **60% Final Plans,** the Finalized Drainage Design Plans and Hydraulic Report will be submitted. We also will provide any detailing sheets including graphical grades, joint layouts, sequencing notes, permanent signage and sign structures, guardrail layouts, other miscellaneous road design details. For projects including traffic signals, we will include wiring, list of signal work items, and any special foundation designs. We will attend the Joint Plan Review, if required, for the Final ROW Maps.

The **95% Plans** are also the set used for the Advanced Check Prints meeting. This is our opportunity to discuss any outstanding questions or observations with LADOTD staff, district personnel, or other stakeholders that are needed to finalize the plans. Design Exceptions and Design Report approvals will be complete at this stage. We will provide a constructability report, if required. If the plan checker unit chooses to review the plans, this submittal will serve as the deliverable for that review.

The **98% and 100% Final Plans** submittals will include the complete sets of plans with all outstanding comments addressed along with the final engineer's estimate of probable cost and any special provisions required for letting or construction of the project. A complete stamped and signed plan set, a stamped hydraulic report, and the final engineer's estimate will be provided.

Stage 5: Construction Support. Our design team will be available to attend pre-construction meeting, provide timely RFI responses, review shop drawings, and provide plan and calculation revisions as required to support questions or design changes in the field. Our team will also be available within 24-hour notice to attend any meetings needed to resolve specific field issues.

Quality Plan Reviews similar to our program management assignment for **Jefferson Parish,** we will perform detailed engineering review of construction plans, cost estimates and special provisions developed by LADOTD's Road Design Staff or by other consultants. Reviews will be performed in a timely manner to assist management of the project schedule.

Road Design Services Supporting the Environmental Process. The AECOM team is known for their ability to serve the needs of the environmental process. Our road design team has had a long history of performing NEPA studies supporting our transportation planners and environmental professionals. Examples include three segments of I-49 South, Jimmie Davis Bridge, I-49 Connector, and the New Orleans East-West Corridor. We can provide drawings and details to support obtaining project permits and providing illustrations and technical presentation for public meetings and hearings. This can vary from simple poster boards to large scape rolls and maps, to more interactive type presentations like our virtual reality room that recently won the 2022 AASHTO Transcomm Skills Award for Marketing/ Advertising.

Traffic Signal Design. Daniel Helms, PE, PTOE, RSP2i will lead any traffic signal design tasks. The AECOM team has performed many traffic signal intersection improvement projects for LADOTD, Baton Rouge, Jefferson Parish, and City of New Orleans over its history. Examples include modifications to the signals in the New Orleans CBD to accommodate the Loyola Avenue and Rampart Street streetcar extensions, modifications to the traffic signal at Napoleon Avenue and Clarence Henry Truckway to support the relocation of a railroad at-grade crossing through the intersection, and the updates and restoration of the City of New Orleans signals following Hurricane Katrina.

Transportation Management Plans. Daniel Helms, PE, PTOE RSP_{2I} will lead the AECOM Team for the development of any Transportation Management Plan (TMP) assigned under this IDIQ contract. The AECOM team is well versed in the development of all stages of TMPs that may be required (Levels 2, 3, and 4). The Team also offers four ATSSA certified Traffic Control Supervisors, mitigate risks in the development of Traffic Control Plans and identify travel demand management strategies for implementation, as we have done for projects like on US 190, near Krotz Springs, the Crescent City Connection, and I-10 over the Atchafalaya Basin. Our expertise in NEPA projects would also provide LADOTD with a wealth of knowledge in public information and outreach strategies, which is also a key component in the development of any TMP.

Hydraulic Analysis and Design. AECOM proposes Sreeni Bollu, PE to perform hydraulic design and analysis. Performed hydraulic analysis for the Mid Barataria Sediment Diversion and is overseeing tasks on the Louisiana Watershed Initiative projects. He is frequently are asked to perfrom hydraulic analysis and design on projects throughout Texas, Louisiana, and Mississippi.

Special Provisions Writeups. Many projects require special provisions for certain items are not part of the standard list of DOTD Pay Items. All of our engineers have had experence in writing specifications and special provisions for special items used on surface transportation projects.

Schedule. Project schedules will be tailored to the specific project scope for each Task Order. As such, project schedule will vary based on the project type or magnitude. To show understanding, we provide a typical Road Design Project Example Schedule below to identify major milestones and order of work. *See sample project schedule below.*

Quality Plan. The QA/QC program is an essential component of a successful project, and we are committed to this DOTD policy. AECOM will submit the QA/QC Plan within 10 days of the Notice of the Award of the project.

EXAMPLE ROAD DESIGN PROJECT SCHEDULE

MONTH	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Planning and Initiation																					
Scoping and Project Plan Development																					
Kickoff Meeting																					
Field Visit & Data Collection																					
Topographic Survey																					
Preliminary Plan Development																					
30% Preliminary Plans (if required)																					
60% Preliminary Plans																					
Preliminary Right-of-Way Maps																					
95% Preliminary Plans																					
Plan-in-Hand Meeting																					
100% Preliminary Plans																					
Final Right-of-Way maps																					
Final Plan Development																					
30% Final Plans (if required)																					
60% Final Plans																					
Joint Plan Review Meeting (if necessary)																					
95% Final Plans																					
Advanced Check Print (ACP) Meeting																					
98% Final Plans and Special Provisions																					
100% Final Plans																					

AECOM

Section 19

Civil Design and Construction
Verot School Road
Lafayette, LA

Delivering a better world

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
AECOM Technical Services, Inc.	Road, Bridge	H.004367.5	Earhart Expressway to US 61	$215,483
	Traffic	H.004367.5	Earhart Traffic Evaluation	$27,990
		H.004273.5	I-49 Connector (Sub)	
	Planning		Tasks 1, 5, 6, 12	$642,977
	Traffic		Task 2	$34,207
	Road		Task 4	$14,923
	Bridge		Task 8	$337,498
	Environmental		Task 10	$752,530

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Buchart Horn, Inc.	Environmental	H005257, FAP 9902(518)	Houma-Thibodaux to I-10 Corridor Environmental Impact Statement	$3,284
	Environmental	H.009153.2, FAP H009153	US 84 Improvements	$3,000
	Bridge (Lighting)	H.010319.5	I-110 Reconstruction from North Street-Plank Road	$66,358
	CE&I/OV	H.012422.6	I-110 at Terrace Avenue Ramp Modification CA Services	$3,686
	CE&I/OV	H.012874.6	I-55 at LA 22 Interchange New Lighting CA Services	$31,993
	Traffic (Safety)	H.013322	LA 3040 Corridor Improvements Study	$96,346
	Traffic (Safety)	H.041305.1	US 61: Cardinal Drive to Bert Street	$70,000
	Bridge (Lighting)	H.010616.5	New I-20 Overpass over LA 544 Lighting	$58,546
	Bridge (Lighting)	H.014302.5	US 165 Roadway Lighting	$148,460
	Bridge (Lighting)	H.010319.5	I-110 Lighting from North Street to Plank Road	$52,538

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Civil Design & Construction, Inc.	Surveying	4400017091/ TO-2	LWI Statewide Modeling R5 – Task Order #2	6,722
		4400017091/ TO-3	LWI Statewide Modeling R5 – Task Order #3	227,031

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
GOTECH, Inc. (Subconsultant to Volkert, Inc.)	CE&I/OV	Contract No. 4400004631; Task Order No. H.003107.6 *Task Order No. 1 *Task Order No. 2	Retainer Contract for Construction Engineering Management and Staff Augmentation Services for District 62 (St. Helena, Livingston, St. John, Tangipahoa, Washington & St. Tammany Parishes)	$0 $171,520
GOTECH, Inc. (Subconsultant to GEC, Inc.)	CE&I/OV	Contract No. 4400017006; Task Order No. H.011670	I-10 / Loyola Interchange Improvements (Jefferson Parish)	$488,479
GOTECH, Inc. (Subconsultant to Hardesty & Hanover, LLC)	CE&I/OV	Contract No. 4400017430; Task Order No. H.001498.6	LA 24 & 316: Company Canal Bridge CE&I (Terrebonne Parish)	$304,467
GOTECH, Inc. (Subconsultant to WSP)	Planning	Contract No. 4400017327	IDIQ Innovative Procurement & Alternative Delivery Support Services, Statewide	$74,052
GOTECH, Inc. (Subconsultant to GEC, Inc.)	CE&I/OV	Contract No. 4400019950 Task Order No. H.003003 Task Order No. H.002151	IDIQ Contracts for Construction Engineering & Inspection Services, Statewide w/Majority of Work in District 03 (Acadia, Lafayette, Evangeline, Iberia, St. Landry, St. Martin, St. Mary & Vermilion Parishes)	$0 $68,000

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
GOTECH, Inc. (Subconsultant to R.C. Lambert Consultants, LLC)	CE&I/OV	Contract No. 4400019550 SPN: H.001234	LA 1: Port Allen Canal Bridge Replacement Phase 1 (HBI) (CE&I) Route LA 1 (West Baton Rouge Parish)	$735,729
GOTECH, Inc. (Subconsultant to GEC, Inc.)	CE&I/OV	Contract No. 4400023074 Task Order No. H.010725	IDIQ Contract for Construction, Engineering & Inspection & Staff Augmentation - Pecan Island Rd - District 61 (Hammond)	$82,736

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project name	Remaining Unpaid Balance**
Grey Engineering, LLC				N/A

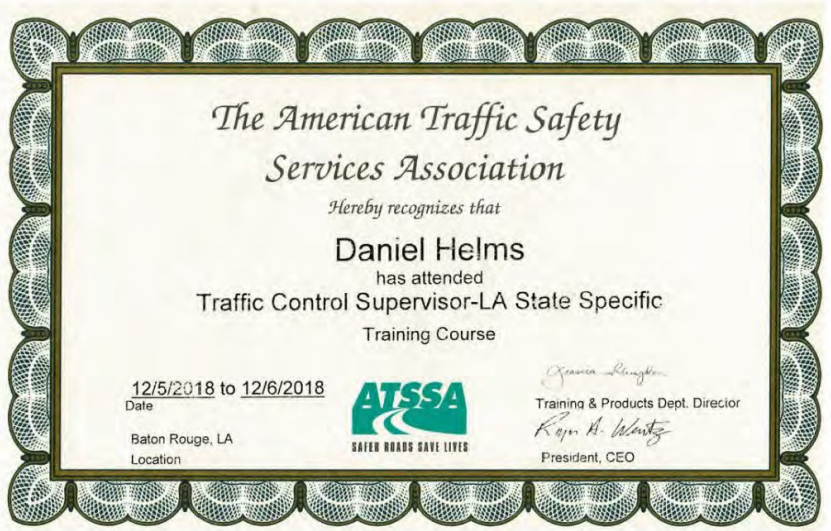
Sections 20-23

BUCHART-HORN
Jefferson Highway at Corporate Intersection Improvements, City of Baton Rouge/Parish
East Baton Rouge, LA

20. Certifications/Licenses:
If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

ATSSA Certification


The American Traffic Safety Services Association
Hereby recognizes that
Jonathan G McDowell
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
5/24/2019 to 5/24/2019
Date
Baton Rouge, LA
Location
ATSSA
SAFER ROADS SAVE LIVES
Training & Products Dept. Director
President, CEO


The American Traffic Safety Services Association
Hereby recognizes that
Daniel Helms
has attended
Traffic Control Supervisor-LA State Specific
Training Course
12/5/2018 to 12/6/2018
Date
Baton Rouge, LA
Location
ATSSA
SAFER ROADS SAVE LIVES
Training & Products Dept. Director
President, CEO


The American Traffic Safety Services Association
Hereby recognizes that
Gregory Trahan
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
5/24/2019 to 5/24/2019
Date
Baton Rouge, LA
Location
ATSSA
SAFER ROADS SAVE LIVES
Training & Products Dept. Director
President, CEO


ATSSA TRAINED
PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT
Chris McKown
has attended
Traffic Control Supervisor-LA State Specific
Training Course
4/27/2022 to 4/27/2026
Training Valid Through
Director of Training
Baton Rouge, LA
Location
President, CEO
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
ATSSA
American Traffic Safety Services Association ATSSA.com

Traffic Engineering Modules

AECOM, Greg Trahan

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

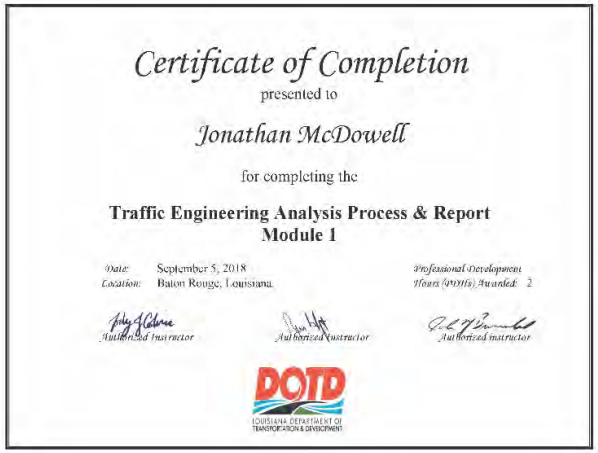
Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

AECOM, Jonathan McDowell



Certificate of Completion

presented to

Jonathan McDowell

for completing the

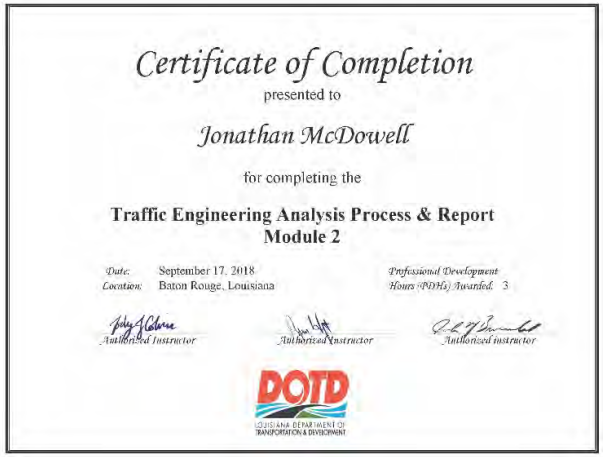
Traffic Engineering Analysis Process & Report
Module 1

Date: September 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan McDowell

for completing the

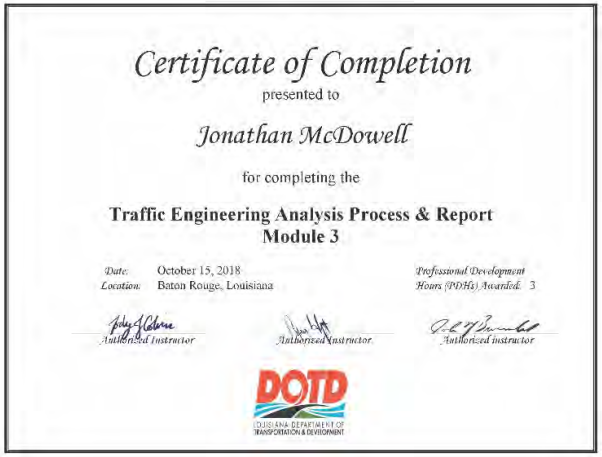
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan McDowell

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Traffic Engineering Modules

AECOM, Daniel Helms

Certificate of Completion

presented to

Daniel Helms

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Daniel Helms

for completing the

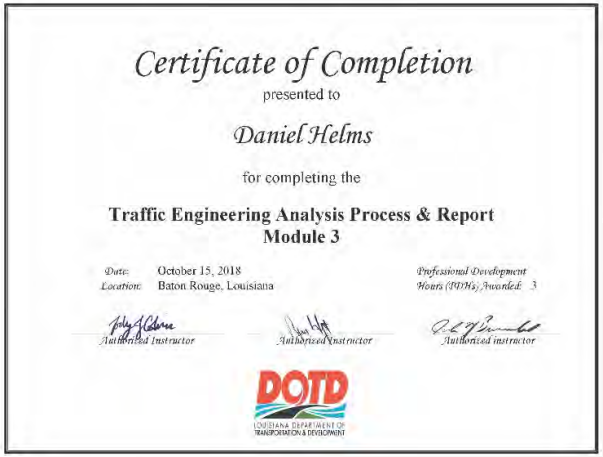
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Daniel Helms

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Daniel Helms PTOE certificate

Transportation Professional Certification Board Inc.

certifies that

Daniel Brooks Helms

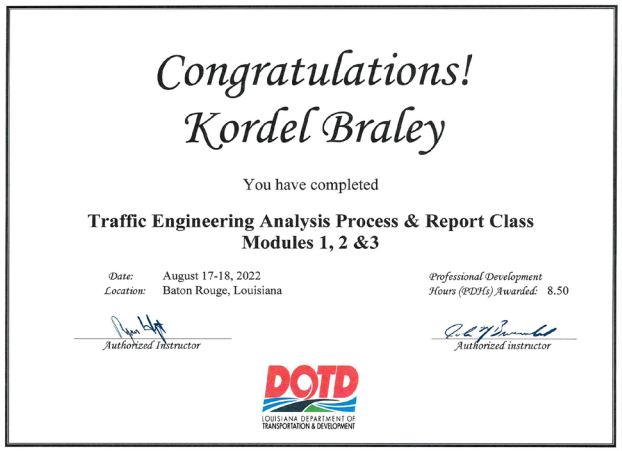
has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 2810 issued in Washington, D.C., U.S.A.
April 14, 2010

Steven D. Hofener, Chair | PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER | Executive Director

Kordel Braley Certificates



Congratulations!
Kordel Braley

You have completed

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

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana

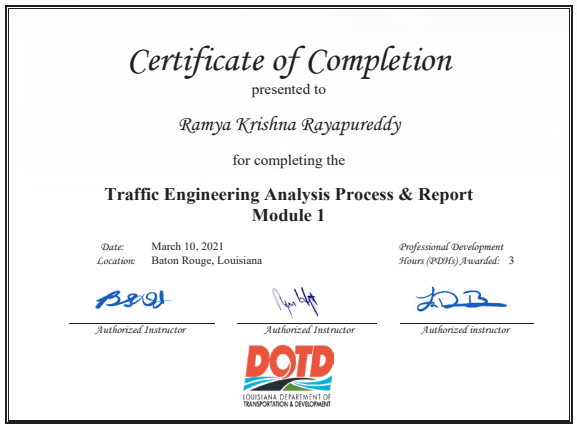
Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

TEPR Certificates

Ramya Krishna Rayapureddy Certificates



Certificate of Completion

presented to

Ramya Krishna Rayapureddy

for completing the

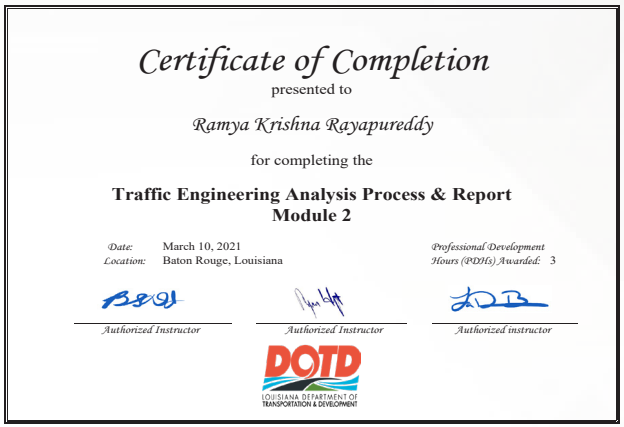
Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Ramya Krishna Rayapureddy

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ramya Krishna Rayapureddy

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Carlos Duran Certificates

Certificate of Completion

presented to

Carlos Duran

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Carlos Duran

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: March 29, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Certificate of Completion

presented to

Carlos Duran

for completing the

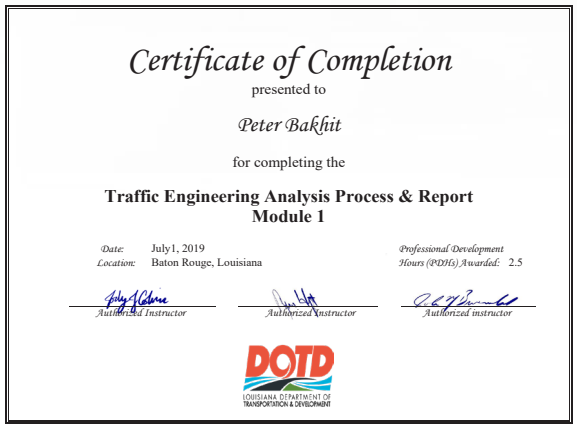
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

Peter Bahkit Certificates



Certificate of Completion

presented to

Peter Bakhit

for completing the

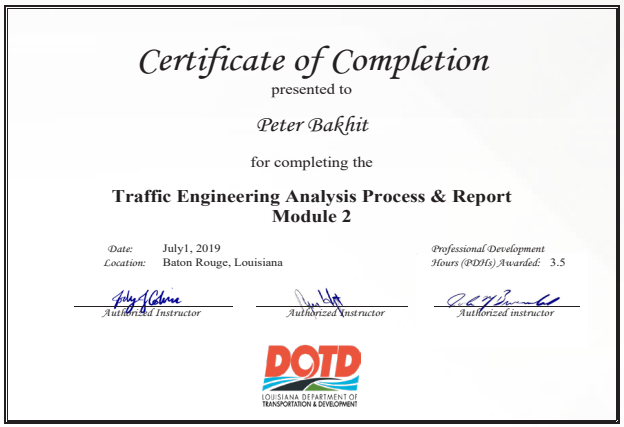
Traffic Engineering Analysis Process & Report
Module 1

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Peter Bakhit

for completing the

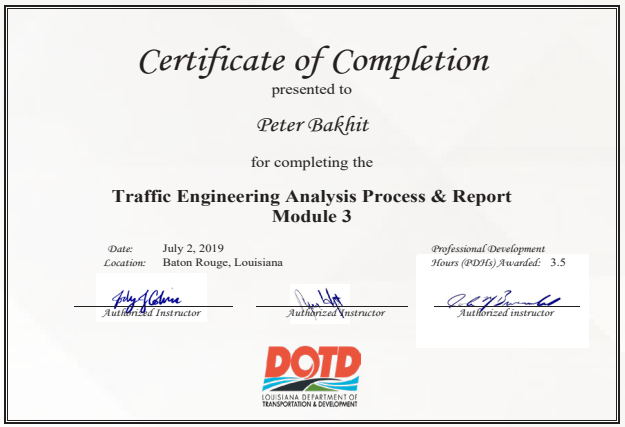
Traffic Engineering Analysis Process & Report
Module 2

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Peter Bakhit

for completing the

Traffic Engineering Analysis Process & Report
Module 3

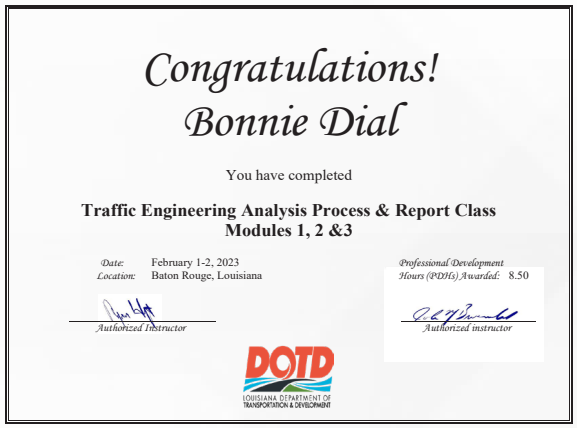
Date: July 2, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Bonnie Dial Certificates



Congratulations!
Bonnie Dial

You have completed

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

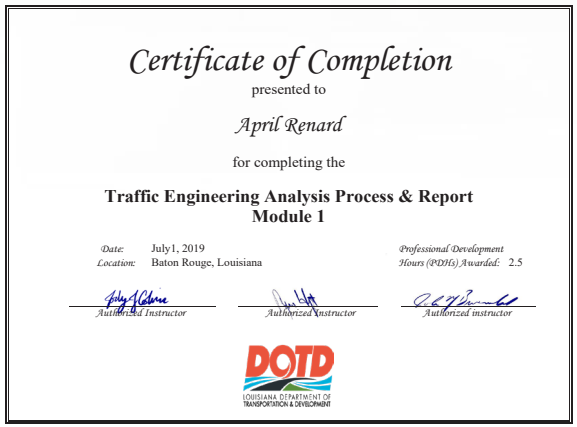
Date: February 1-2, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

April Renard Certificates



Certificate of Completion

presented to

April Renard

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

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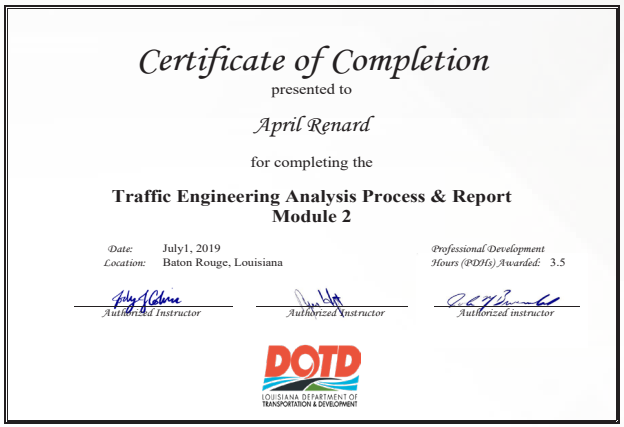
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

April Renard

for completing the

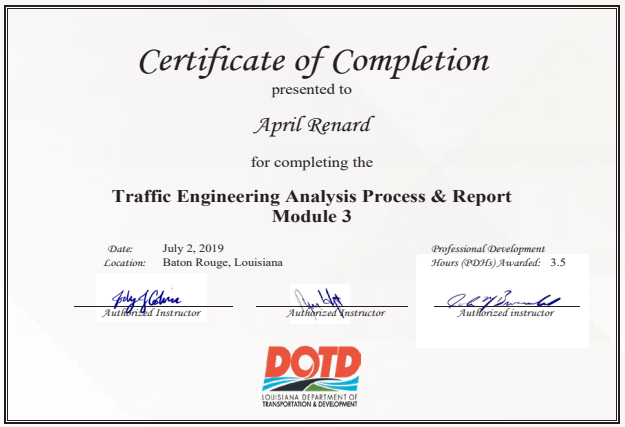
Traffic Engineering Analysis Process & Report
Module 2

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

April Renard

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: July 2, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

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LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

21. QA/QC Plan and/or Work Plan: If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

Section left intentionally blank.

22. Subconsultant information

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
Buchart-Horn, Inc.	18163 East Petroleum Drive, Suite A Baton Rouge, LA 70809-6104	Cal Joy, PE cjoy@bucharthorn.com	225-590-3489
Civil Design & Construction, Inc.	PO Box 857, Port Allen, LA 70767/3251 Southern Pacific Rd.	Karla E. Weston, PE kweston@cdcbr.com	225-765-1802
Grey Engineering, LLC	146 Landmor Drive, Greenwell Springs, LA 70739	April Renard April Renard april@greyeng.com	225-773-6272
GOTECH, Inc.	8383 Bluebonnet Boulevard Baton Rouge, LA 70810	Rhaoul A. Guillaume, Sr., P.E., F.ASCE	225-766-5358

23. Location:
If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

Section left intentionally blank.

AECOM

About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of $13.3 billion in fiscal year 2021. See how we are delivering sustainable legacies for generations to come at aecom.com and @AECOM.

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