



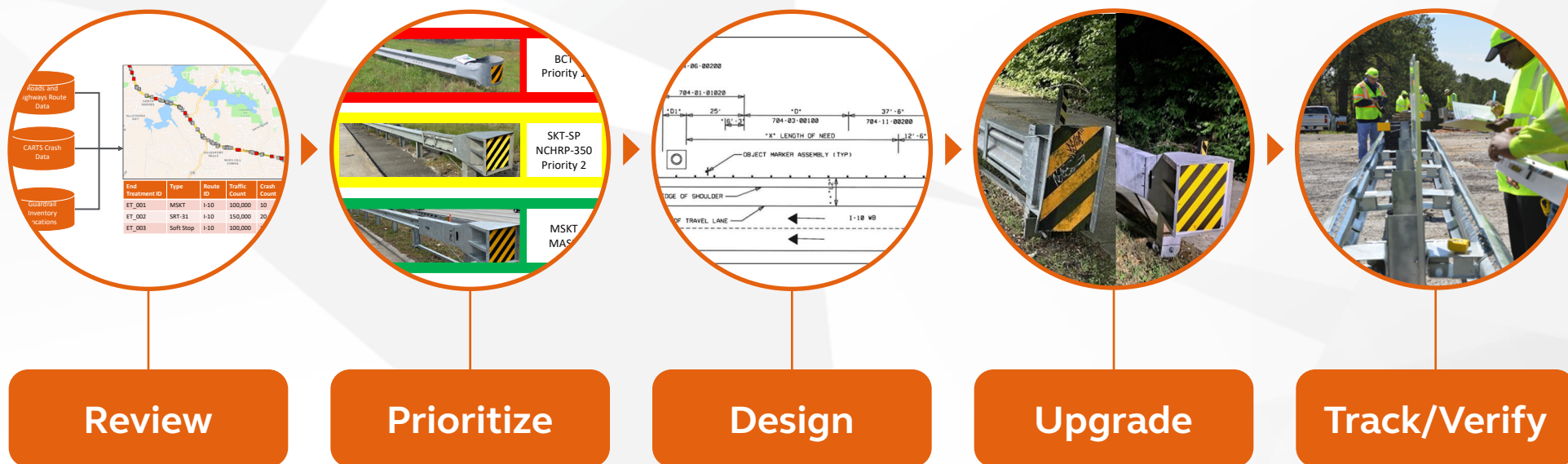
JULY 21, 2026

IDIQ Contract for Guardrail Safety Upgrades Statewide

SECTIONS

1-11

Arcadis has a proven track record with clients in establishing methodologies and prioritization work flows that align with DOT policies and procedures. We have reviewed and inspected over 70,000 end treatments for compliance to DOT and MASH standards. From guardrail repair status to hardware installation issues identification, we understand the guardrail asset class and will bring that expertise and knowledge to LADOTD.



Guardrail Safety Improvement Approach

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ Contract For Guardrail Safety Upgrades Statewide
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400035409
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	 ARCADIS ARCADIS U.S., INC.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002808 DUNS 057690414
6. Prime consultant mailing address	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Tony Hendon, PE Project Manager P. 423 463 5216 E. tony.hendon@arcadis.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Akhil Chauhan, PE, PTOE, PTP, PMP Senior Vice President P. 225 368 6563 E. akhil.chauhan@arcadis.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.

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

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.



Signature above shall be the same person listed in Section 9:

Date: July 21, 2026

Firm(s):

N/A

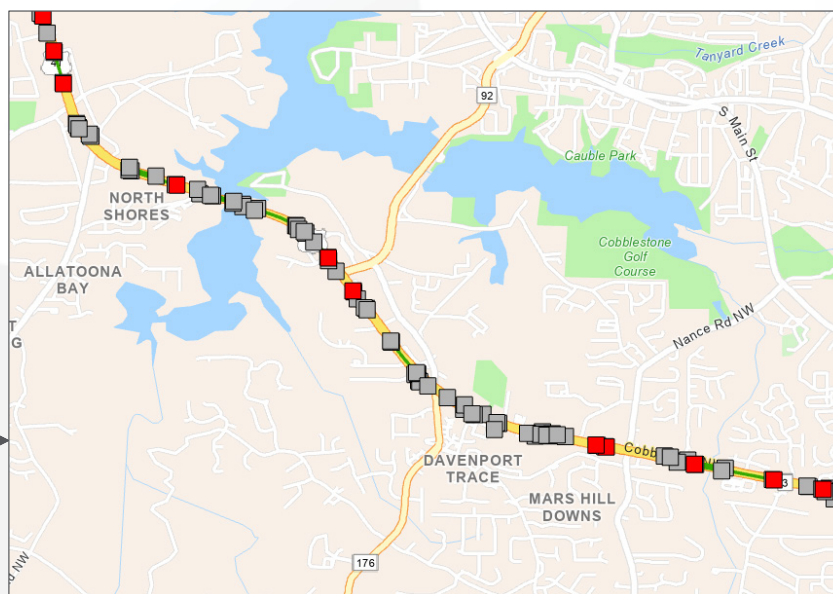
SECTIONS 12-15

Our established LADOTD IT GIS and Traffic contracts give us an advantage on data exploration and acquisition. Combined with our Asset Management team's proven guardrail inventory and inspection experience for GDOT and our GIS professionals' spatial analytics expertise, we're positioned to unify and build upon your datasets into one central, actionable source.

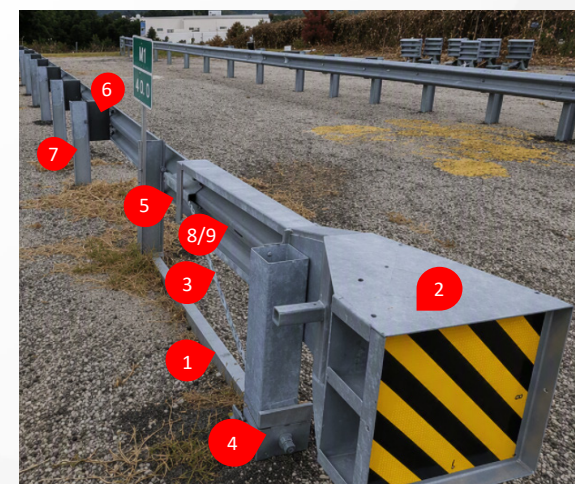
Roads and
Highways Route
Data

CARTS Crash
Data

Guardrail
Inventory
Locations



End Treatment ID	Type	Route ID	Traffic Count	Crash Count
ET_001	MSKT	I-10	100,000	10
ET_002	SRT-31	I-10	150,000	20
ET_003	Soft Stop	I-10	100,000	10



1. Strut
2. Impact Head
3. Anchor Cable
4. Cable Anchor Plate
5. Cable Bracket
6. Offset Block
7. Post
8. Rails
9. Rail Slots

Review

12 DISCIPLINE TABLE:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

Discipline(s)	% of Overall Contract	Arcadis	CD&C	NTBA	Each Discipline must total to 100%
Road	35%	100%			100%
Bridge	35%	100%			100%
Survey	15%		50%	50%	100%
Traffic	10%	100%			100%
Geotech	5%	100%			100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.					
Percent of Contract	100%	85%	7.5%	7.5%	

**The traffic category includes safety aspects of the scope.*

13 TEAM 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 (must specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: <https://bit.ly/DOTDJobClassifications>

Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
	Engineer	8	9
	Engineer - Other	1	3
	Engineering-Aide	2	2
	GIS Analyst	11	12
	Principal	2	2
	Professional	0	1
	Senior Technician	1	2
	Technician	2	3
	Supervisor - Eng	9	9
	Supervisor - Other	3	4
	Surveyor	1	2
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	2	2
	CADD Technician	1	1
	Senior Technician	3	6
	Supervisor - Other	1	1
	Principal	1	1
	Engineer	1	1
	Engineer Intern	1	1
	Surveyor	4	6
	Supervisor - Other	1	5



Senior Technician	0	1
CADD Technician	1	5
Technician	1	2
CADD Drafter	1	5
Party Chief	4	6
Instrument Man	4	6
Rodman	4	6

TEAMING LEGEND:

- Arcadis
- CD&C
- NTBA


Principal - in - Charge
■ Akhil Chauhan, PE, PTOE, PTP ★ +

Project Manager
■ Tony Hendon, PE

QA/QC and Technical Advisor
■ Eric Kalivoda, PhD, PE +

Asset Management

- Peter Estes
- Tim Black
- Ryan Bowman
- Ryan Anderson

Roadway Design

- Jose Rodriguez, PE + ●
- David Fulks, PE +
- Jennifer Barnes, PE, PS
- Scott Lee
- Garrett Keller, PE

Bridge Design

- Osama Shahawy, PE +
- Victor Sanchez, PE
- Krishna Singaraju, PE
- Sushil Dhungana, PE

Guardrail Technical Experts

- Walker Marshall
- Ryan Bowman
- William Douglass
- Keith Dunlap
- Daniel Jamison

Traffic Engineering

- Ari Deitch, PE, PTOE, PTP, RSP ★ ●
- Kester Hollier, PE, PTOE ★ ●
- Meredith Zamjahn, PE, RSP ★

Safety Analysis

- Max Aguirre, PhD, PE, PTOE, RSP ★ ●
- Justin Maderia, PE, PTOE, PTP ★
- Jody Peace, PE, PTOE, RSP
- Jonathan Wallace, PE, RSP

Bidding/ Construction Support

- Tom Landry, PE
- Walker Marshall
- Jose Rodriguez, PE
- Jason Moore
- Sam Wheeler

Survey

- Chris Ballard, PLS + ●
- Madison Mills, PLS + ●
- Bryan Bergeron
- Mike King, PLS +
- Bryan Bunch, PLS +
- William Offer, PLS
- Will Wales ●
- Belton Davis ●

Innovative Technology / GIS

- David Ward, GISP
- Jennifer Berthiaume, GISP
- Adrien Litton
- Josh Chatelain

Field Inventory / Inspection

- Erik Smith, PE
- Cody Lemoine, PMP
- Tony Jackson, IMSA III
- Justin Gaspard, IMSA I
- Joshua Daigrepont, IMSA I

Geotech

- Kirk Lowery, PE
- Ayan Mehrotra, PE

LEGEND

- Workzone
- ★ TEPR Certificates
- + Meets MPR

15 MINIMUM PERSONNEL REQUIREMENTS:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Akhil Chauhan, PE, PTOE, PTP, PMP <i>(23 years' experience)</i>	 ARCADIS	PE. 33703 – Civil	LA	09/30/2026
	Eric Kalivoda, PhD, PE <i>(>40 years' experience)</i>	 ARCADIS	PE. 24603 – Civil & Environmental	LA	09/30/2026
2	Akhil Chauhan, PE, PTOE, PTP, PMP <i>(23 years' experience)</i>	 ARCADIS	PE. 33703 – Civil	LA	09/30/2026
	Eric Kalivoda, PhD, PE <i>(>40 years' experience)</i>	 ARCADIS	PE. 24603 – Civil & Environmental	LA	09/30/2026
3	David Fulks, PE <i>(>30 years' experience)</i>	 ARCADIS	PE. 30151 – Civil	LA	09/30/2026
4	Jose L. Rodriguez, PE <i>(>24 years' experience)</i>	 ARCADIS	PE. 30492 – Civil	LA	03/31/2027
	Osama Shahawy, PE <i>(36 years' experience)</i>	 ARCADIS	PE. 35652 – Civil	LA	09/30/2026
5	Chris Ballard, PLS <i>(>29 years' experience)</i>		PLS. 5033 – Survey	LA	09/30/2026
	Madison Mills, PLS <i>(>9 years' experience)</i>		PLS.5293 – Survey	LA	03/31/2027
	Michael J. King <i>(>20 years' experience)</i>		PLS. 5127 – Survey	LA	09/30/2027
	Bryan T. Bunch <i>(>30 years' experience)</i>		PLS. 5014 – Survey	LA	03/31/2028

SECTION 16

Our extensive experience with Guardrail End Treatments lets us recognize, categorize, and prioritize the risk of each system. Our Asset Management team then combines analytics tools for scenario planning and high-risk prioritization, building on our proven track record of delivering guardrail upgrade programs with cost estimations.



BCT
Priority 1



SKT-SP
NCHRP-350
Priority 2



MSKT
MASH

Strike ID: (08C96E3D-41E6-4914-8751-C8B897E3D151) Status: NP
Date Contractor Notified: 2021-02-23 05:00:00 Approx. Damaged Length (ft): 50.0



GA End Treatments Prioritized for Upgrades by Route

Route ID	Count of End Treatments	Estimated Costs
400	36	\$228,700.00
410	2	\$13,000.00
422	49	\$254,900.00
I-16	59	\$341,100.00
I-16 Spur	5	\$32,500.00
I-185	3	\$19,500.00
I-20	68	\$442,000.00
I-24	1	\$6,500.00
I-285	18	\$117,000.00
I-516	3	\$19,500.00
I-520	25	\$162,500.00
I-675	2	\$13,000.00
I-75	154	\$990,400.00
I-85	92	\$598,000.00
I-95	87	\$565,500.00
I-985	31	\$196,200.00
Gwinnett	7	\$40,200.00
Mainline	6	\$33,700.00
Ramp	1	\$6,500.00
Hall	24	\$156,000.00
Mainline	24	\$156,000.00
Grand Total	635	\$4,000,300.00

Prioritize

PROJECT MANAGEMENT TEAM

16 STAFF EXPERIENCE:

Firm employed by:  **ARCADIS**

Name	Tony Hendon, PE	Years of relevant experience with this employer	17
Title	Certified Project Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BS / 2006 / Biosystems Engineering, Auburn University		
Active registration number / state / expiration date	PE. 50783/ LA / Exp. 03/2028		
Year registered	2025	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Project Manager		



Mr. Hendon is a Project Manager and Engineer with more than 20 years of experience delivering transportation asset management programs for state Departments of Transportation and municipalities. Leads implementation of maintenance and asset management systems, digital programs, and performance-based reporting frameworks. Supports development of maintenance rating programs, asset condition assessments, and enterprise data collection workflows. **Coordinates large-scale on-call contracts exceeding \$40 million and supports program oversight for statewide transportation systems.** Provides expertise in Pavement Management Systems, Maintenance Management Systems, and FHWA reporting requirements. Supports data-driven decision-making processes for asset management, budgeting, and performance reporting. He has collaborated with DOTs to implement their vision of a progressive change in how transportation assets are located, documented, rated, and reported within asset management programs. This experience has included: Leading consultants and DOT employees in development of **statewide asset management programs**. He has led and developed training workshops, steering committee meetings, and stakeholder engagements which have provided effective change management with methods and materials to guide clients through the implementation of asset management programs.

Experience dates	Experience and qualifications relevant to the proposed contract
08/22 – 01/25	GDOT Guardrail End Treatment Inventory and Inspection Program, Georgia Department of Transportation (GDOT), Statewide, GA. Project Manager. Led the <i>statewide program to inventory and inspect critical guardrail end treatments</i> . Developed the official Field Assessment Manual and a mobile application for inspectors to log locations, capture photos, and <i>evaluate asset conditions</i> . Provided GDOT with <i>dashboards and reports to optimize maintenance prioritization</i> and budget planning. Additionally, a Guardrail Strike Application for District 7 that identified high-frequency impact areas. Replacing assets at 12 critical locations with resilient attenuators saved the District \$200,000 in the first year (\$5 million projected 10-year ROI) and reduced structural guardrail deficiencies by 20%, prompting GDOT IT to deploy the system statewide.
04/13 – 12/24	Guardrail Strike Application, GDOT, District 7, GA. Project Manager. Developed and maintained an innovative mobile mapping-based workflow and tracking application to <i>manage guardrail strikes and repairs</i> within District 7. Integrated critical asset data from the <i>statewide End Treatment Inspection Program</i> , allowing staff to log, track, and report on strikes and repairs against specific assets to keep the network operational. This solution successfully identified high-frequency attenuator strike locations that were driving up maintenance expenditures. Collaborated with the District and vendors to upgrade 12 recurrently hit areas with resilient attenuators, achieving a first-year savings of \$200,000 and a projected 10-year ROI of over

	\$5 million. The program also reduced structural guardrail deficiencies by 20% in a single year , proving so effective that GDOT IT scaled and implemented the system statewide.
01/13– Ongoing	TDOT Statewide Asset Condition Assessment Rating Program, TDOT, Statewide, TN. <i>Initially the Technical lead and grew into Project Manager role after.</i> Partnered with the TDOT Maintenance Division to overhaul their statewide asset condition assessment rating program to collect meaningful data on transportation assets . Consulted on techniques to link routine maintenance activities with asset condition reporting, aligning the program with the developing State Transportation Asset Management Plan (TAMP) and FHWA National Performance Measures. These insights enabled the creation of focused work plans and optimized budgetary allocation strategies. Additionally, developed custom web-based asset condition collection tools for field personnel and supported software modifications within TDOT’s Maintenance Management System. Assisted in defining functional requirements for database design and integration. Successfully delivered the program by establishing clear goals, engaging organizational stakeholders, delivering comprehensive training, and executing an effective change management strategy.
01/16 – Ongoing	MEI On-Call, District 7 Chamblee / General Office, Georgia Department of Transportation (GDOT), District 7, GA. <i>Project Manager.</i> Manages Maintenance Engineering Inspection (MEI) program supporting District 7 and State Maintenance Office operations. Oversees delivery of statewide programs including guardrail end terminal improvements, drainage assessment, resurfacing programs, and maintenance tracking systems, including METRICS and striping tracking applications. Managing/Overseeing Staff Augmentation services for: Statewide Resurfacing Program, Statewide Longline Striping Program, Maintenance Rating Program, and the Outdoor Advertising and Landscape Program. Supports data-driven program delivery through mapping, budgeting, inspection verification, and staff augmentation supporting district and statewide operations. Managed the development of a comprehensive statewide guardrail end terminal inventory and inspection Program covers all state roadways , which are sectioned by Counties and assigned to inspectors. This program was an effort to identify MASH and NCHRP 350 compliance through the DOT network. Projects that are selected for upgrades and retrofits have the ability to go through the Arcadis developed project tracking system METRICS. METRICS tracks the project statuses, estimated cost, construction cost, and location of each project. The METRICS project tracking tool assist in the project prioritization through conflict detection . This tool is able to cross reference capital maintenance projects planned in order to reduce cost and work duplication this has been a valuable tool for project selection.
01/16 – Ongoing	Level of Service (LOS) Maintenance Rating Program Development, GDOT, Statewide, GA. <i>Project Manager.</i> Leads development and implementation of asset management condition assessment program to define GDOT needs and establish performance targets. Directs stakeholder coordination , including steering committee engagement, to support program rollout. Develops Level of Service (LOS) reporting framework to evaluate and report condition of roadside assets and support district-level maintenance planning. Supports development of needs-based budgeting tools linking maintenance activities to financial requirements and enabling estimation of funding required to achieve target LOS. This program has allowed GDOT to rate and report on current condition of roadside assets. Through LOS reporting and target setting, Districts can create focused yearly maintenance work plans. Likewise, through a needs-based budgeting report that Arcadis created from linking maintenance work activities to financial requirements to perform those activities, the District can see an estimated monetary allocation needed to achieve a desired LOS. The MRP has proven to be a valuable tool to the SMO and District for establishing Key Performance Indicators (KPIs) and for yearly budget reports.

Firm employed by. 			Meets MPR No. 1 & 2	
Name	Akhil Chauhan, PE, PTOE, PTP, PMP		Years of relevant experience with this employer	18
Title	Principal Engineer		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology (MIT) BS / 2001 / Civil Engineering, Indian Institute of Technology (IIT)		
Active registration number / state / expiration date		PE. 0033703 / LA / Exp. 09/2026; PTOE 2544 / USA / Exp. 11/2026 PTP 246 / USA / Exp. 12/2027; PMP 1444676 / USA / Exp. 08/2026		
Year registered	2008	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		Principal - in - Charge		
		As a Principal Engineer, Mr. Chauhan brings a unique experience of closely working with different LADOTD sections and stakeholders such as Safety, Traffic Engineering, Roadway, Data/GIS, Planning, Environmental, ITS, Bridge, Critical Projects, and the districts. From planning to design and construction to operations/maintenance, this full project life cycle interaction at various levels of the Department has given him a comprehensive understanding of needs and requirements on projects and programs, and how different pieces can come together to deliver positive outcomes on projects such as this one. With his proactive approach and understanding of issues and challenges, Akhil ensures that his team provides quality deliverables within time and budget. He has 23 years of experience in a wide range of transportation projects including traditional and alternative delivery projects such as Construction Manager At-Risk (CMAR), Design Build (DB), Public-Private-Partnership (P3).		
Experience Dates		Experience and qualifications relevant to the proposed contract		
08/09 – 03/11		Baton Rouge to Lafayette ITS Phase 2 Design-Build, LADOTD; Multiple Parishes, LA. Associate Project Manager / Senior Engineer. Provided design and implementation services including working with project manager on project planning; client and owner coordination; health and safety plan development; and design plan and material submittals and tracking. Conducted field trips to verify design requirements and meet technical specifications. Responsibilities also include design of 13 ITS sites and associated guardrail design where applicable. Responsibility include identifying locations requiring roadside protection through application of clear zone principles and roadside safety analysis, determining appropriate lengths of need, establishing guardrail limits, designing approach transitions, and coordinating guardrail layouts with roadway geometry. Coordinated with LADOTD Traffic Engineering Management Section to get approval on traffic control plans. Provided engineering support during construction and assisted field crews.		
02/17 – 02/18		I-49 Interchange Safety Improvements, LADOTD, Lafayette Parish, LA. Principal Engineer. Responsible for contract management and technical advisory for project tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.		
12/13 – 06/15		LA 3235 Corridor Safety Improvements, LADOTD, Lafourche Parish, LA. Project Manager and Principal Engineer. Responsible in the preparation of a formal traffic and access management Stage 0 study, in accordance with LADOTD Stage 0: Manual of Standard Practice, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included traffic data collection, warrant studies, traffic analysis, safety analysis, design development, and public outreach. Intersections found to		

	warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. A cost estimate and conceptual layout drawings were also produced.
02/23 – 05/24	District 04 Safety Improvements, LADOTD, Caddo and Bossier Parish, LA. <i>Principal Engineer & Technical Advisor.</i> Responsible for contract management and technical advisory for this Stage 0 Feasibility study to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development District, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in a Stage 0 Feasibility Reports were completed for all 7 study corridors with Preliminary Scope and Budget Checklist and Environmental Checklist. Benefit-cost analysis was provided to aid in prioritizing the implementation of countermeasures.
08/14 – 03/21	Safety Studies IDIQ Contracts, LADOTD, Statewide, LA. <i>Contract/Project Manager.</i> Provided contract management and served as lead technical advisor for task orders issued under two safety studies IDIQs. Services provided included a range of engineering services including safety and traffic studies, historical crash analysis, collision diagram development, identification of safety deficiencies, traffic data collection, development of safety countermeasures, Highway Safety Manual predictive methods, Stage 0 feasibility studies and documentation, traffic modeling and analysis, intersection and corridor studies, and access management improvements.
08/13 – 01/20	Traffic Engineering IDIQ Contracts, LADOTD, Statewide, LA. <i>Contract/Project Manager.</i> Provided contract management and served as lead technical advisor for task orders issued under two traffic engineering IDIQs. Services provided included a range of engineering services including traffic data collection, intersection and corridor studies, traffic modeling, signal warrant analysis and timing optimization, alternative development and conceptual design , signal design, traffic signal inventory, and safety analysis / improvements. Developed the first mesoscopic models using Dynameq for the state of Louisiana.
04/13 – 10/20	US 11 Railroad Bridge Replacement and Corridor Improvements, LADOTD, St. Tammany Parish, LA. <i>Principal Engineer.</i> Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, line and grade, and public outreach for the proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements included the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project included analysis of several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.
02/22 – Ongoing	I-10 Calcasieu River Bridge P3, LADOTD Calcasieu Parish, LA. <i>Technical Advisor</i> for the \$2.3B+ I-10 Calcasieu Bridge Replacement P3 project to replace the existing I-10 bridge over the Calcasieu River with a new bridge north of I-10. The project includes constructing several new bridge structures within the project limits, widening I-10 on both the inside and outside, improving and modifying existing interchanges, and enhancing other associated roadways. Scope includes bridge design and roadway & drainage design (including guardrail design compliant with DOTD standards) for the replacement of I-210 WB Ramp over I-10, ITS design, and performing traffic engineering, including an IMR, TMP, signing/markings, and signals.
04/25 – Ongoing	LA 1/LA 415 Connector CMAR, LADOTD, West Baton Rouge Parish, LA. <i>Technical Advisor</i> for a 2.7-mile connector roadway project on an accelerated schedule . Scope of services includes traffic engineering, alternative concept development, phased project implementation, safety analysis, signal inventory and design, TMP, and all stages of design for select segments.

Firm employed by.



Meets MPR Nos. 1 & 2

Name	Eric Kalivoda, PhD, PE		Years of relevant experience with this employer	2
Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization			PhD / 1995 / Doctor of Philosophy, North Carolina State University MS / 1983 / Civil Engineering, University of Arizona BS / 1980 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE.024603 / LA / Exp. 09/30/2026; Also a licensed Civil Engineer in AZ and NC	
Year registered	1992	Discipline	Civil Engineer and Environmental Engineer	
Contract role(s) / brief description of responsibilities			QA/QC and Technical Advisor	
			As a Technical Advisor, Dr. Kalivoda brings 40 years of experience in the transportation industry through his work in state transportation departments including detailed technical work, policy setting, program development, guidance and oversight, and administration. He has worked with a numerous stakeholders including citizens, community groups, business owners, associations, realtors and real estate developers, regulatory agencies, local, state, and federal elected officials. His technical work was focused on traffic engineering, highway safety, highway geometric design, and metropolitan and statewide transportation planning. He has been instrumental in providing guidance and direction necessary to advance numerous major projects through the project development process including, more recently, the I-10 reconstruction and expansion in Baton Rouge, the I-10 Calcasieu River Bridge, the I-10 at Loyola Avenue Interchange in Kenner, the I-49 North Inner City Connector in Shreveport, and a new Mississippi River Bridge south of the Baton Rouge Metropolitan Area.	
Experience dates			Experience and qualifications relevant to the proposed contract	
03/23 – 01/24			Louisiana Department of Transportation and Development (LADOTD), LA. Secretary. Served on the Governor's cabinet, advising on public policy and <i>collaborating with federal, state, and local officials</i> to resolve issues and pursue opportunities. Worked with the legislature and industry partners to enact transportation and infrastructure legislation. Provided <i>executive leadership for over 4,200 employees across six offices and 58 sections, overseeing areas such as Management and Finance, Engineering, Operations, Planning, Multimodal Commerce, Legal, and Innovative Procurement</i> . Direct reports included senior leaders such as the Deputy Secretary, Chief Engineer, and others. Managed operating and capital budgets and led during emergencies as a member of the Unified Command Group. Focused on key challenges: (1) implementing the Infrastructure Investment and Jobs Act; (2) <i>administering one-time funding for large-scale projects</i> ; (3) addressing construction inflation impacts; (4) navigating generational leadership transitions; and (5) preparing for a smooth administrative transition.	
02/10 – 03/23			Office of the Secretary, LADOTD, LA. Deputy Secretary. As the second highest official of the Department, provided strategic leadership for over 4,200 employees across six offices and 58 sections, covering areas like Management and Finance, Planning, Engineering, Operations, and Multimodal Commerce. <i>Directly oversaw Compliance Programs</i> (Disadvantaged Business Enterprise, Small Business Enterprise, Title IV and VII, etc.), Local Public Agency Programs, the internal investigator, and a process re-engineering section for six years. <i>Managed operating and capital budgets</i> and represented the Department on state and national committees. Chaired the Appeals Board to address customer disputes and the Curriculum Council to develop training programs. Key accomplishments included: (1) leading "Operation 57," a comprehensive organizational	

	review; (2) guiding the establishment of the Diversity and Inclusion Initiative; (3) revamping training programs by eliminating outdated courses and addressing internal and external issues; (4) creating the Road Transfer Program to shift non-essential highways to local governments; (5) overseeing the 2015 update of the Louisiana Statewide Transportation Plan; (6) forming an Autonomous and Connected Vehicle Technology Team to shape policy and application; (7) advancing major projects through development processes ; and (8) designing a new state-funded program for rehabilitating locally-owned roads, pending legislative approval.
02/05 – 02/10	Office of Planning and Programming, LADOTD, LA. Assistant Secretary. Oversaw three sections responsible for statewide and metropolitan transportation planning, highway project programming, mapping, safety policy development, bridge and pavement management, traffic monitoring, corridor studies , and project conceptualization. Represented the Department on the Louisiana Economic Development Council, American Association of State Highway and Transportation Officials’ Standing Committee on Planning, and the National I-10 Freight Corridor Coalition. Key accomplishments included: (1) leading post-Hurricane Katrina and Rita recovery efforts through funding requests and education on transportation needs; (2) chairing the Transportation Task Force for Louisiana’s Recovery Authority; (3) updating the Louisiana Statewide Transportation Plan ; (4) establishing the multi-state-funded Institute for Trade and Transportation Studies; (5) directing the Freight Transportation Strategic Plan; and (6) advancing efficiency improvements within DOTD.
07/99 – 08/05	Office of Planning and Programming, LADOTD, LA. Deputy Assistant Secretary. Under the direction of the Assistant Secretary, oversaw the work of four sections engaged in statewide and metropolitan transportation planning , highway project programming, mapping, environmental impact evaluation, highway safety policy and program development, bridge and pavement management system development, highway inventory and traffic monitoring programs, corridor studies, and development of conceptual designs, scopes, and budgets for selected projects. Served as the Department’s representative on the Louisiana Economic Development Council and as Vice Chair of the Infrastructure and Transportation Industries Task Force. Also served as Louisiana’s technical representative in the precedent-setting National I-10 Freight Corridor Study. Significant accomplishments included: (1) directing the update of the Louisiana Statewide Transportation Plan – completed in 2003; (2) active participation in updating Louisiana: Vision 2020, the State’s economic development master plan; (3) elevating the status, funding, staffing, and visibility of the Highway Safety Program; and (4) serving in a major role in formalizing and improving the efficiency and effectiveness of the highway project delivery process.
05/94 – 07/99	Louisiana Department of Transportation and Development, LA. Engineer Manager. Directed staff engaged in statewide transportation planning, multistate planning efforts, and the development of bridge and pavement management systems . Served in a leadership role on the Infrastructure [and Transportation Industries] Task Force of the Louisiana Economic Development Council. Also served as Louisiana’s technical representative in the precedent-setting Latin American Trade and Transportation Study. Significant accomplishments include: (1) organizing and leading a 60-member task force to formalize and improve the DOTD Highway Project Selection Process including the capital budget allocation process (referred to as the “Budget Partition”); (2) extensive participation in developing the Louisiana Statewide Intermodal Transportation Plan, Louisiana’s first multimodal statewide transportation plan; (3) active participation in developing Louisiana: Vision 2020, particularly in the development of infrastructure benchmarks; and (4) serving as Louisiana’s representative on a special transportation task force of the Southern Governors’ Association.

GUARDRAIL TECHNICAL EXPERTS

Firm employed by.



Name	Walker Marshall	Years of relevant experience with this employer	13
Title	Digital Analyst and Guardrail Technical Expert	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BA / 2013 / Geography, University of North Carolina at Wilmington		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	Geography
Contract role(s) / brief description of responsibilities	Guardrail Technical Expert, Bidding/ Construction Support		



Mr. Marshall is a Digital Analyst specializing in GIS with more than 13 years of experience in geospatial analysis, asset management, and transportation planning. He has extensive experience developing and managing databases, data workflows, and digital solutions that support the collection, organization, and delivery of critical transportation asset information. His work has included supporting the Georgia Department of Transportation (GDOT) through the planning, design, implementation, and management of datasets for key infrastructure assets such as stormwater drainage systems, guardrail, and overhead signs. With a strong background in both technical data management and operational workflow development, he helps agencies improve asset visibility, strengthen data reliability, and support effective maintenance and planning decisions.

Experience dates	Experience and qualifications relevant to the proposed contract
03/25 – Ongoing	State Maintenance Office (SMO) Guardrail Statewide Program – Re-inspections, GDOT, Atlanta, GA. Innovation Specialist. Served as a senior technical expert in the development and ongoing support of GDOT’s State Maintenance Office Guardrail End Treatment Reinspection Program, an initiative focused on continued identification hardware installation issues at specific guardrail end treatments found during initial inspections, documenting deficiencies, and reporting for resolution. Contributed to the creation of statewide workflows, automated scripts and inspection methodologies used to consistently manage, inspect, and track guardrail end treatment assets across Georgia.
04/22 – 03/25	State Maintenance Office (SMO) Guardrail Statewide Program – Initial Inventory, GDOT, Atlanta, GA. Innovation Specialist. Served as a senior technical expert in the development and ongoing support of the GDOT State Maintenance Office Guardrail End Treatment Inspection Program. His work included reviewing manufacturer-specific end treatment configurations and GDOT standards to support identification of both immediate installation deficiencies and condition-related issues. He also oversaw the development of the inspection and inventory SQL database and ArcGIS Field Maps Application and supported the Power BI reporting and tracking process from initial repair assignment through repair completion. This effort included inspections of more than 70,000 end treatments across GDOT’s roadway network and documentation of over 30 different manufacturer approach end treatment types.
06/18 – Ongoing	Guardrail Strike Application / GDOT Guardrail STRIKE Application, GDOT, Atlanta, GA. Innovation Specialist. Served as a senior technical expert and ongoing manager of the District 7 Guardrail Strike Application, a field-to-repair reporting tool used to document guardrail strikes, track repair needs, and record repair installations; due to its success, the application was rolled out statewide to all GDOT Districts. Expanded support to include management of locations requiring maintenance through GDOT State Maintenance’s Statewide End Treatment and Inspection Reporting Program and continues to lead ongoing support and enhancements, including asset-level damage tracking and monitoring of GDOT’s Qualified Products List (QPL) for newly approved guardrail products.

06/18 – Ongoing	On-Call Maintenance Engineering and Inspections – D7, GDOT GA. <i>Innovation Specialist.</i> Developed GIS solutions for D7 and SMO. Managed development of systems and <i>mobile/web applications</i> for D7 and SMO data management. Solutions included the <i>D7 Mobile Guardrail Strike Reporting</i> , Sweeping and Drain Cleaning Contract Management tracking databases, and the newly implemented D7 Asset Deficiency Tracker, an application built to log and track maintenance and repairs performed by GDOT maintenance internal repair teams.
06/18 – Ongoing	On-Call MEI – State Maintenance Office, GDOT, Statewide GA <i>Innovation Specialist.</i> Supports the GDOT State Maintenance Office in the <i>development of maintenance contracts</i> , including key contracts for guardrail maintenance and repairs and sweeping and drain cleaning. He was also a key member in developing the GDOT State Maintenance Office Maintenance Ledger, a <i>business intelligence workflow and visualization tool that tracks ongoing contracts, expenditures, and funding availability</i> . The ledger provides improved oversight of the State Maintenance Office’s \$160M+ budget, helping ensure funds are appropriately allocated and available to support maintenance needs.
10/14 – Ongoing	Municipal Separated Storm Sewer System (MS4) Permit Compliance, GDOT, Statewide, GA. <i>Innovation Specialist.</i> Responsible for <i>managing field inventory and inspection aspect of the permit compliance</i> . Managed the systems and applications to support GDOT’s MS4 Program and collect MS4 structure, outfall, facilities, and permanent BMPs. <i>Managed the stormwater inventory planning and reporting</i> , data collection, data quality control, and monthly data delivery within project scope. Maintained all databases, collection applications, and web-based management applications to support the program.
06/18 – Ongoing	Cobb County Crash Reporting, Cobb County DOT, Cobb County, GA: Key Team Member for developing a GIS workflow solution. The team developed a <i>process to import crashes weekly from Cobb County’s crash database into a GIS database</i> . The process includes importing and geolocating crashes from the Georgia Electronic Accident Reporting System (GEARS) for all crashes within the county. As part of the effort, a <i>GIS web application</i> was created for the weekly quality control for imported crashes into the database.

Firm employed by.



Name	Ryan Bowman		Years of relevant experience with this employer	11
Title	Asset Management Specialist		Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization			MS / 2015 / City and Regional Planning, Georgia Institute of Technology BS / 2012 / Biology, Florida State University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Guardrail Technical Expert & Asset Management Professional	
		Mr. Bowman is a geographic information systems (GIS) project manager with more than eleven (11) years of professional experience. His focus is to develop, deliver and implement innovative solutions to asset maintenance problems presented by clients. Mr. Bowman has experience managing field crews, automating processes using Python scripts, performing advanced spatial analysis, and developing dashboards for data visualization. His skills include: Geographic Information System, Asset management using the following tools: Structured Query Language (SQL) server, ArcGIS Desktop, ArcGIS.		
Experience dates		Experience and qualifications relevant to the proposed contract		
03/25 – Ongoing		State Maintenance Office (SMO) Guardrail Statewide Program – Re-inspections, GDOT, Atlanta, GA. Task Manager. Served as task and field manager for the development and ongoing support of GDOT’s State Maintenance Office Guardrail End Treatment Reinspection Program, an initiative focused on continued identification hardware installation issues at specific guardrail end treatments found during initial inspections, documenting deficiencies, and reporting for resolution. Contributed to the creation of statewide workflows, automated scripts and inspection methodologies used to consistently manage, inspect, and track guardrail end treatment assets across Georgia.		
04/22 – 03/25		State Maintenance Office (SMO) Guardrail Statewide Program – Initial Inventory, GDOT, Atlanta, GA. Task Manager. Served as task and field manager for the development and ongoing support of the GDOT State Maintenance Office Guardrail End Treatment Inspection Program. His work included reviewing manufacturer-specific end treatment configurations and GDOT standards to support identification of both immediate installation deficiencies and condition-related issues. He also oversaw the development of the inspection and inventory SQL database and ArcGIS Field Maps Application and supported the Power BI reporting and tracking process from initial repair assignment through repair completion. This effort included inspections of more than 70,000 end treatments across GDOT’s roadway network and documentation of over 30 different manufacturer approach end treatment types.		
08/24 - Ongoing		Performance Based Maintenance Inspections Program, TDOT, Statewide, TN. Task Manager. Responsible for delivering the latest iteration of this inspection program, including hiring staff and fleet acquisition, technical solution development, management of project finances and stakeholder engagement. Project scope began with documenting a field inspection process based on the newly awarded Performance Based Maintenance Contracts and delivering comprehensive training. Oversaw solution development withing TDOT’s IT environment, including building ArcGIS Applications for field inspections, database design and data workflows, and Power BI Dashboards and Paginated Reports that enabled the creation of focused		

	work plans and optimized budgetary allocation strategies. Then responded to TDOT's request to field a team of maintenance staff to perform inspections of ~5,500 segments throughout Eastern Tennessee.
06/16 – Ongoing	Programmatic Striping Program, (GDOT), Atlanta, GA. Asset Management Specialist. Technical Lead and Task Manager responsible for the creation and support services for the asset management solution for GDOT's Pavement Marking Program. Used GDOT's Roads and Highways Route Centerline Network and Deighton's dTIMs Business Analysis software to map and overlay maintenance sections with construction projects, striping condition and route characteristics to establish a centralized dataset for analysis. Developed decision trees, costs estimates, degradation curves, cost-benefit analysis and budget scenarios to develop a prioritized construction program for statewide long line striping and RPM replacements. Consulted to understand and map workflows and build work order tracking system in Deighton's dTIMs Operate and Maintain software to deliver a comprehensive maintenance management solution.
06/16 – Ongoing	Maintenance Rating Program, GDOT, Statewide, GA. GIS Specialist, Line Manager, Task Manager. Supported GDOT's Maintenance Rating Program (MRP) Pilot by hiring staff and managing the fleet, overseeing the technical solution development, managing the project finances and stakeholder engagement. Role has grown through the years of the program from field inspections of the pilot program to task manager overseeing the delivery of the program. Responsibilities include documenting field inspection process and delivering comprehensive training and overseeing solution development, including building ArcGIS Applications for field inspections , database design and data workflows, and Power BI Dashboards and Paginated Reports that enabled the creation of focused work plans and optimized budgetary allocation strategies. Responsible for collection of ~13,000 segments throughout Georgia on a yearly basis.
06/16 – Ongoing	METRICS Maintenance Project Tracking System, GDOT, Atlanta, GA. GIS Specialist, Task Manager. Supports a maintenance project tracking system used by GDOT, district personnel, and Arcadis staff to monitor the status of Invitation to Bid and Rapid Maintenance Response packages throughout Georgia. The system supports project tracking, reporting, and data management to improve visibility into maintenance program activities and project status. Responsibilities task oversight, workflow development, report building, training documentation and stakeholder engagement.
08/15 – 07/17	Watershed Protection Plan, City of New Braunfels, New Braunfels, TX. GIS Specialist. Analyzed raster datasets using the GIS-based SELECT model (developed by Texas A&M) to estimate pollutant loadings from sources contributing to water quality impairments in the Comal River and the Dry Comal Creek near New Braunfels, Texas. Collected all relevant data and information for the model, including stakeholder feedback, scientific papers and reports, expert interviews, and GIS-based datasets. Performed preliminary analysis to delineate drainage basins in two HUC-12 watersheds using ArcHydro software.
01/17 – 01/18	STL Python Tool Development LADOTD, Baton Rouge, LA. GIS Specialist. Developed ArcGIS Python Toolbox using Python scripting language. The tool overlays multiple route event layers present in a Roads and Highways Linear Referencing Network, a multi-step, time-intensive task. The tool was customized for parameterized inputs so it could be migrated between Linear Referencing Databases. It has since been applied to a multitude of projects spanning many DOTs.

Firm employed by.



Name	William Douglass	Years of relevant experience with this employer	3
Title	Guardrail Technical Expert	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2023 / Earth Sciences and World Languages - Spanish, University of Memphis		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Guardrail Technical Expert		



Mr. Douglass is a Digital Specialist that has extensive experience supporting DOT statewide roadway safety and maintenance programs through data management, quality control, and field coordination. Their work has included inventorying and re-inspecting approximately 70,000 guardrail end treatments across Georgia, identifying safety risks, tracking strikes and damaged rail, and producing clear reports to help districts prioritize repairs. They have also supported the Guardrail STRIKE application for District 7 by reviewing repair activity, validating contractor work, and resolving data and invoice issues. In addition to asset-based inspection and repair programs, Mr. Douglass has experience with contract and purchase order tracking-based programs where he regularly updates project information, performs audits, to help improve data accuracy and usability. Known for strong attention to detail and responsive communication, they help ensure transportation assets and contract data is reliable, current, and actionable for decision-makers.

Experience Dates	Experience and qualifications relevant to the proposed contract
06/23 – 02/25	State Maintenance Office (SMO) Guardrail Statewide Program – Initial Inventory, GDOT, Atlanta, GA. GIS Technician. Supported the program, which <i>focused on identifying, tracking, and mitigating safety risks associated with approximately 70,000 guardrail end treatments</i> throughout Georgia. The program supported statewide roadway safety improvements through inventory management, condition monitoring, and <i>coordination with GDOT to prioritize repairs</i> . Responsibilities included quality checking various standards of end treatments, reporting issues to Districts, reporting strikes or damaged rail along the roadway, digitizing features to reflect map data, and assisting with data cleanup as part of project delivery.
01/25 – Ongoing	SMO Guardrail Statewide Program – Re-inspections, GDOT, Atlanta, GA. GIS Technician. Supports a follow-up phase of the program focused on reassessing previously inventoried end treatments, <i>identifying newly designated immediate safety issues, and coordinating updated inspections</i> conducted by a dedicated three-person inspection team. Responsibilities include reassigning historical inspections, coordinating inspector schedules, fielding daily questions from inspectors, hosting a monthly inspector call, <i>quality assuring new inspections</i> , reporting strikes or damaged rail along the roadway, and creating detailed, easy-to-understand reports for distribution to designated districts on a weekly basis.
12/23 – 08/25	Guardrail STRIKE Application – District 7 QC, GDOT, Atlanta, GA. GIS Technician. Supported the program, which focused on <i>quality control and tracking of guardrail repairs</i> in the Atlanta metropolitan area to help maintain compliance with GDOT and manufacturer standards. The program involved reviewing repair activities, monitoring data accuracy, and coordinating with GDOT and District 7 staff to support roadway safety and asset management efforts. Responsibilities included importing weekly reports on guardrail repairs, <i>quality checking new repairs performed by the contractor, generating reports of hardware or invoice issues</i> for the District 7 office and GDOT to review, and updating data with repair revisions.

01/25 – Ongoing	SMO Maintenance Ledger Assistance, GDOT, Atlanta, GA. <i>GIS Technician.</i> Supports the initiative to modernize the management and tracking of state maintenance project orders, including project details, costs, statuses, and account information. The effort focuses on developing a centralized, accessible, and user-friendly application to improve project oversight and support informed decision-making by authorized stakeholders. Responsibilities include updating the SMO team weekly on new purchase orders, providing feedback and creating project categories, and ensuring the data reflected the cost and schedule expectations of the SMO.
06/24 – Ongoing	METRICs Program Assistance, GDOT, Atlanta, GA. <i>GIS Technician.</i> Supports a maintenance project tracking system used by GDOT, district personnel, and Arcadis staff to monitor the status of Invitation to Bid and Rapid Maintenance Response packages throughout Georgia. The system supports project tracking, reporting, and data management to improve visibility into maintenance program activities and project status. Responsibilities include quarterly audits to correct incorrect or outdated data, assisting in the generation of annual fiscal year summaries, and responding to user information requests, including adding, removing, or editing contractors, package IDs, and other system data.

Firm employed by.



Name	Keith Dunlap	Years of relevant experience with this employer	4
Title	GIS Specialist	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	BS / 2016 / Geography, The University of Alabama		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	Geography/GIS
Contract role(s) / brief description of responsibilities	Guardrail Technical Expert		



Mr. Dunlap has more than 10 years of experience in Geographic Information System (GIS), field operations, data management, and utility and transportation asset programs. His experience includes leading field inspection teams, managing quality control (QC) processes, supporting GIS mapping and pipeline maintenance programs, and coordinating data collection and validation efforts. He is proficient in ESRI applications, SQL-based production monitoring, Python workflow automation, data quality assurance and quality control (QA/QC), and technical training. Mr. Dunlap has served as a field operations lead, QC team manager, and **guardrail Subject Matter Expert (SME)**, providing technical support, developing inspection standards and training materials, and serving as a client liaison. His background also includes utility GIS mapping, pipeline maintenance programs, Apple Maps data validation initiatives, and field research activities. He is recognized for his ability to improve data accuracy, optimize workflows, lead multidisciplinary teams, and build strong relationships with clients and project stakeholders.

Experience Dates	Experience and qualifications relevant to the proposed contract
11/24 – Ongoing	State Maintenance Office (SMO) Maintenance Rating Program (MRP) – GDOT, Atlanta, GA. <i>GIS Specialist, Line Manager.</i> Supports MRP Field and Office staff as task manager. Manages field staff trainings , program update meetings, and work location planning as well as serves as contact for program and technical support. Develops project tracking views to ensure project is completed on time and Power BI dashboards to make asset condition assessments actionable and digestible for client use. Creates and manages office QC processes.
07/23 – 11/24	State Maintenance Office (SMO) Guardrail Statewide Program – Initial Inventory, GDOT, Atlanta, GA. <i>GIS Specialist, Line Manager.</i> Created field inspection manual, ESRI Field Maps Application manual, and inspection checklists for statewide guardrail end treatment inspection program. Trained inspection team in person and remotely on guardrail and inspection standards, as well as provided technical support related to mobile data collections and ESRI field maps. Trained and led office QC staff on guardrail inspection attribution and location quality assurance. Led data finalization efforts. Served as client contact for all guardrail standard, installation, and project matters.
01/22-07/23	Guardrail STRIKE Application – District 7 QC, GDOT, Atlanta, GA Supported the District 7 Guardrail STRIKE program for GDOT in the Atlanta metropolitan area, focused on monitoring guardrail repair activity and helping ensure repairs met GDOT and manufacturer requirements. Work included reviewing weekly repair and damage reports, conducting quality control checks on completed repairs, and evaluating newly damaged locations to confirm they were properly documented and routed for action. Responsibilities also included identifying hardware deficiencies , invoice discrepancies, and incomplete repair items; preparing clear reports for GDOT, District 7 staff, and contractors; tracking needed revisions; and updating system records to reflect repair status and follow-up actions.

Firm employed by.



Name	Daniel Jamison	Years of relevant experience with this employer	5
Title	Field Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2028 / Geospatial Sciences, Kennesaw State University		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Guardrail Technical Expert		



Mr. Jamison is a field technician and digital specialist who has experience supporting transportation safety and maintenance programs through field inspections, asset condition assessments, repair quality control, and technical review of roadside infrastructure. Their background includes inspecting guardrail systems and other roadway assets, identifying safety concerns, evaluating compliance with installation standards, and documenting deficiencies to support maintenance planning and repair prioritization. They bring strong knowledge of guardrail end treatment systems, installation hardware requirements, and roadside asset evaluation practices, along with experience reviewing repairs, verifying damage documentation, and coordinating clear reporting for agency staff and contractors. They have also supported training efforts for transportation personnel and contributed to inspection quality assurance to help maintain accurate, consistent, and actionable field data.

Experience Dates

Experience and qualifications relevant to the proposed contract

01/25 – Ongoing

Guardrail STRIKE Application – District 7 QC, GDOT, Atlanta, GA Supported the District 7 Guardrail STRIKE program for GDOT in the Atlanta metropolitan area, focused on **monitoring guardrail repair activity** and helping ensure repairs met GDOT and manufacturer requirements. Work included reviewing weekly repair and damage reports, conducting quality control checks on completed repairs, and evaluating newly damaged locations to confirm they were properly documented and routed for action. Responsibilities also included **identifying hardware deficiencies**, invoice discrepancies, and incomplete repair items; preparing clear reports for GDOT, District 7 staff, and contractors; tracking needed revisions; and updating system records to reflect repair status and follow-up actions.

10/22 – 03/25

State Maintenance Office (SMO) Guardrail Statewide Program – Initial Inventory, Georgia Department of Transportation (GDOT), Atlanta, GA. *Field Technician.* Performed statewide field inspections of **approximately 70,000 guardrail** end treatments across Georgia to identify **safety concerns, assess asset condition**, and support GDOT repair prioritization. Applied extensive knowledge of end treatment systems and installation hardware requirements to evaluate compliance, identify deficiencies, document damaged or struck assets, and provide accurate field-based information for roadway safety decision-making. In addition to field inspections, they **regularly provide end treatment installation review** training to GDOT personnel.

12/20 – 06/26

Maintenance Rating Program, GDOT, Statewide, GA. *Field Technician.* Supported GDOT's Maintenance Rating Program (MRP) through roadside asset field inspections and inspector support activities. Responsibilities included performing **field inspections against 29 different asset types**. In addition to field inspection support they assisted on desktop quality control and review of inspections.

ASSET MANAGEMENT STAFF

Firm employed by.



Name	Pete Estes	Years of relevant experience with this employer	26
Title	Asset Management Operations Director	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BA / 1997 / Environmental Studies/Geography, University of Tennessee		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Asset Management Lead		



Mr. Estes is the Asset Management Operations Director and has 28 years of professional experience in asset management services. He **leads a group of 100 professionals delivering asset management and technology services to 12 DOTs.** His expertise includes project management, asset management, process mapping and management, systems development, inventories, data analytics, and spatial database development. **He has managed indefinite delivery/indefinite quantity (IDIQ) and on-call contracts for more than 22 years** for a variety of transportation clients throughout the Southeast. He brings best practices from other state departments of transportation (DOTs), including the Louisiana Department of Transportation and Development (LADOTD), Tennessee Department of Transportation (TDOT), Arizona Department of Transportation (ADOT), Ohio Department of Transportation (ODOT), and North Carolina Department of Transportation (NCDOT). This extensive experience has given him a strong understanding of developing and managing task order-based contracts. His experience working with guardrail as well as a wide range of asset types and classes provides him with a broad understanding of the asset lifecycle, which he uses to help clients effectively manage their assets.

Experience Dates

Experience and qualifications relevant to the proposed contract

04/13 – Ongoing

Guardrail End Treatment Inventory and Inspection Program, GDOT, Statewide, GA. Program Manager. Arcadis ***developed the Guardrail End Treatments Inspection and Inventory manual*** to outline procedures for inventorying and inspecting Guardrail End Treatments along GDOT's roadways. The program is used in conjunction with an Application User Manual. Guardrail End Treatments are located at the beginning or end of a length of Guardrail and are intended to absorb energy and protect the motorist in the case of an accident. ***End Treatments were inventoried and inspected using the End Treatment Inventory and Inspections Application***, which contains functionality to log new locations of End Treatments, take photos of the asset and perform an inspection by filling out detailed condition and installation questions in an Inspection Form. Program covered all state roadways, which are sectioned by Counties and assigned to inspectors.

04/13 – Ongoing

Guardrail Strike Application, GDOT, Statewide, GA. Program Manager. Arcadis is maintaining a proven system and mobile mapping-based workflow in order to keep guardrails up in the district. Through implementation of the Guardrail Strike Application, Arcadis was able to identify frequently struck attenuator locations that were costing the District significant money. We consulted with the District and contracted vendors to replace 12 frequently struck locations with a more resilient attenuator. ***This saved the District \$200,000 the first year and an ROI of more than \$5 million in a 10-year time span.*** The ***Guardrail Strike Application success has also been instrumental*** within the Districts Level of Service with a documented reduction in structural guardrail deficiency of 20% within a year. Due to this successful innovation, GDOT IT has taken over the system and ***has conducted a statewide implementation.***

06/16 – 6/20	Maintenance Management and Design Services, GDOT, District 7 and State Maintenance Office (SMO), GA. <i>Project Manager</i> for this program, providing maintenance management and design services to support GDOT's SMO and District 7. The scope of work included program management and administration , as well as inspection and design services for maintenance service contracts, capital maintenance projects, and asset management programs. Performed roadway inspection services, cost estimating, project development and oversight, roadway and pavement design, asset management and data collection , contract preparation, and additional maintenance tasks assigned by the department.
02/12 – 02/15	Regional Traffic Operations Program, GDOT, Metro Atlanta, GA. <i>GIS Analyst</i> for a contract supporting more than 540 traffic signals across 12 regionally significant corridors. This multifaceted program established performance measures requiring specific uptime targets for traffic control and monitoring devices along the corridors, as well as goals for increasing throughput and reducing delays and stops during peak periods. The program architecture enabled a unique regional system to communicate with traffic control and monitoring assets across all 12 participating agencies through a single system housed at the GDOT Transportation Management Center.
08/07 – 08/12	Statewide Stormwater Assessment Program, GDOT (Office of Utilities), Statewide, GA. <i>Project Manager</i> for a statewide program to inventory and inspect stormwater structures, conveyances, and BMPs associated with GDOT rights-of-way. Worked with GDOT to define and implement the program and executed task orders to complete inventory and inspection work. Where pipes required repair, the program identified the preferred rehabilitation method. Conducted hydraulic studies to determine the sources of previously documented issues. Delivered all data in geodatabase format , linked to video and geo-tagged photographs of stormwater structures and conveyances.
01/14 – 01/20	Street Assessment and Asset Management Program, City of Atlanta Public Works, GA. <i>Project Manager</i> providing current pavement condition data to support informed decision-making and the City's asset management initiatives. The scope of work included a comprehensive street condition assessment , surface condition assessment, deflection testing on arterial, collector, and industrial streets, and project ranking, prioritization, and risk modeling.
01/13 - 01/14	Maintenance Rating Index Program, TDOT, Statewide, TN. <i>Technical Expert</i> responsible for developing a program to support condition assessment standards and tailor them to TDOT's specific needs and performance targets. Support included developing a comprehensive data collection program to incorporate evaluated assets into a risk-based asset management plan, with a focus on providing comprehensive level-of-service ratings. Worked with TDOT to define appropriate service levels for all asset classes within the TDOT right-of-way, excluding pavement and bridges. These service levels were intended to support the alignment of capital and maintenance projects and expenditures with reduced risk, enhanced reliability, and improved system management visibility.
06/10 – 06/11	Linear Referencing System (LRS) Implementation for Roads and Highways, ADOT, Statewide, AZ. <i>GIS Analyst</i> for the needs assessment, design, development, and implementation of a statewide LRS using ESRI's Roads and Highways . Conducted a detailed analysis of existing systems and data to be included in and migrated to the new LRS. Supported integration of the LRS with the DOT's Enterprise Data Warehouse. Designed the ALRS geodatabase and supported the implementation of the new LRS geodatabase. Developed workflows, business processes, and end-user training materials. The system included Roads and Highways, Workflow Manager, Data Reviewer, Roadway Characteristics Editor, custom web services, ArcGIS Server, and desktop application development.

Firm employed by.



Name	Tim Black	Years of relevant experience with this employer	22
Title	Asset Management Consultant	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	MS / 2016 / Geographic Information Systems (GIS), Penn State University		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Asset Management		



Mr. Black has **22 years of asset management experience with various Departments of Transportation** and local municipalities. He is focused on delivering proactive, innovative, and data driven solutions in a traditionally reactionary industry. He led the implementation of Deighton's dTIMS Pavement Management software at the Georgia Department of Transportation (GDOT), guiding the department through the creation of decision trees, degradation curves, budget scenarios, and mapping out their business processes. He utilized his proficiency in spatial data management and analytics to assist in the configuration of the software to meet client needs. He led stakeholder engagement sessions and user training workshops to guide clients through the transition and drive program success. **Understanding the full asset life cycle, he has utilized Enterprise Asset Management software** from Lucity and AgileAssets to assist clients with life cycle maintenance and risk prioritization. He also brings knowledge and experience with process automation to minimize time spent on rote tasks. He has worked directly with application developers to implement and deploy both custom and out of the box web applications. Some of these applications are currently being used across our client base to track maintenance work orders, monitor the contract life cycle, manage a comprehensive statewide restriping program, and facilitate real time data collection.

Experience dates

Experience and qualifications relevant to the proposed contract

07/16 – Ongoing

On-Call Maintenance Engineering and Inspection (MEI), GDOT SMO, GA. *Asset Management Lead.* Providing asset management consulting services on multiple tasks under this contract. Served as the Lead Consultant for the implementation and maintenance of the dTIMS pavement management system. The pavement management system is used to program the statewide resurfacing and restriping programs, with a recent annual budget of nearly \$500 million. The MEI program has implemented 3 years of the Maintenance Rating Program **including 25,000 annual inspections of roadside assets**, reviewed business processes and needs to design and build a web-based program to manage Invitations to Bid, RMR, and Quick Response projects state-wide. Responsible for overseeing a team of GIS/data analysts who create and manage a multitude of PowerBI dashboards and paginated reports to be utilized by GDOT for various maintenance KPIs and TAMP compliance.

08/22 – 08/23

Asset and Pavement Management Consulting Services, City of Virginia Beach, Virginia Beach, VA. *Asset Management Lead.* Providing asset management consulting services for the City of Virginia Beach, Virginia. Focused on assisting the City with Pavement and **Asset Management needs for a network with 1,900 centerline miles**. This project includes helping to define a scope and deliverable definitions for the release of a pavement scanning contract, as well as assisting in the process selection of the vendor. Providing **rigorous Data Analysis and Quality Control** to aid the City in properly evaluating the data and final acceptance of the deliverable upon completion of the scanning. Additionally, consulting on the initial configuration and data load into the City's Cartegraph software.

09/20 – 08/21	Cyclomedia/Arcadis Road Surface Analysis Pilot – Ward 7, District DOT, Washington, DC. Asset Management Consultant. The project evaluated 201 miles of roadway and applied the RSA toolset to produce a deliverable output of condition data utilizing ASTM standards. Provided consulting and data analysis services to aide in the optimization and calibration of the RSA toolset. Provided pavement subject matter expertise to assist in the documentation and communication of the final output to the client. The success of the pilot program has led to the award of a future project to complete an additional 1,775 miles of District DOT's network.
10/14 – 09/15	Pavement Condition Assessment, City of Atlanta, Atlanta, GA. Pavement Data Analyst. A street condition assessment for all City-maintained streets (1,600 centerline miles). Responsible for building a risk-based model for prioritization of potential projects to be funded from bond referendum and performed analysis to generate reports and figures for city staff and public meetings. This project provided current pavement condition data to make better decisions in support of the City's asset management initiatives. Upon completion of the condition assessment, the team worked to develop logical project extents and criteria to help the City make decisions related to project prioritization. Criteria was developed based on the condition assessment as follows: Pavement Condition Index, Recommended Rehab Actions, Resurfacing Cost Estimates, and Project Benefit of Deferral.
05/13 – Ongoing *multiple recompetes*	Municipal Separate Stormwater Sewer System (MS4) Permit Compliance IDIQ, Statewide, GA for GDOT. Task Manager and Analyst responsible for designing and constructing multiple databases, uses GIS analysis to generate figures and tables for inclusion in yearly permit report, and builds risk-based models for asset management prioritization. Arcadis designed all databases, collection application, and web-based management applications to support the Program. Program goals include: reduce discharge of pollutants from MS4 designated urban areas, protect water quality, and satisfy appropriate water quality requirements of the Clean Water Act. This on-call contract has multiple, and at times, concurrent TOs spanning more than thirteen years.
01/24 – Ongoing	Drainage Asset Inventory and Inspection (DAII) Program, Georgia Department of Transportation (GDOT), Georgia. Project Manager / Asset Management Lead. Providing project management, asset management, and data analytics leadership for GDOT's statewide Drainage Asset Inventory and Inspection (DAII) Program supporting stormwater infrastructure inventory, inspection, maintenance planning, and risk-based decision making. Led coordination between GDOT maintenance, environmental, and engineering stakeholders while overseeing program deliverables, QA/QC processes, dashboard development, reporting, and application enhancements. Managed statewide inspection data workflows and supported implementation of GIS, Power BI, and web-based tools used to monitor asset condition, maintenance needs, and program performance. Contributed to development of risk-based prioritization methodologies, maintenance planning workflows, executive reporting dashboards, and statewide performance metrics to support long-term drainage asset management and maintenance decision-making.

Firm employed by.



Name	Ryan Anderson		Years of relevant experience with this employer	27
Title	GIS Analyst and Asset Management Specialist		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 1998 / Geography and Planning, Appalachian State University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Asset Management	



Mr. Anderson is a physical geographer with more than 27 years of professional experience. His expertise includes geographic information systems (GIS), database management, global positioning systems (GPS), and surveying. He is responsible for managing all field crews, equipment, and software related to the inventory and inspection team. His software skills include ESRI's ArcGIS Pro, AGOL, Field Maps, Survey 123, Flyability Inspector 3.0

Experience Dates	Experience and qualifications relevant to the proposed contract
08/22 – 01/25	GDOT Guardrail End Treatment Inventory and Inspection Program, Georgia Department of Transportation (GDOT), Statewide, GA. Asset Management Specialist. Trainer and expert for the statewide program to inventory and inspect critical guardrail end treatments. Assisted in the development of the official Field Assessment Manual and a mobile application for inspectors to log locations, capture photos, and evaluate asset conditions. Trained field inspectors on inspection process for guardrail end treatments and assisted in large training events for maintenance staff.
06/19 – 04/24	Guardrail Strike Application, GDOT, District 7, GA. Asset Management Specialist. Field and operations lead during the development of an innovative mobile mapping-based workflow and tracking application to manage guardrail strikes and repairs within District 7. Integrated critical asset data from the statewide End Treatment Inspection Program, enabling staff to log, track, and report on strikes and repairs against specific guardrail assets to keep the network operational. This solution successfully identified high-frequency attenuator strike locations that were driving up maintenance expenditures. Collaborated with the District and vendors to upgrade 12 recurrently hit areas with resilient attenuators , achieving a first-year savings of \$200,000 and a projected 10-year ROI of over \$5 million . The program also reduced structural guardrail deficiencies by 20% in a single year , proving so effective that GDOT IT scaled and implemented the system statewide.
04/17 – 08/12	Statewide Stormwater Assessment Program, GDOT, Statewide, GA. Mobile GIS Manager in charge of collecting all stormwater collection, conveyance, and detention infrastructure within the DOT's right-of-way. Assisted with the coordination of field team members to provide complete coverage. Coordinated data finalization with the inventory coordinator and prepared final database deliverables.
02/08 – 02/13	DeKalb Manhole Program, DeKalb County, GA. Mobile GIS Manager in charge of locating 10,000+ manholes to survey-grade accuracy, including all sanitary collection and conveyance infrastructure. Assisted with the coordination of field team members to provide complete coverage. Coordinated data finalization with the inventory coordinator and prepared final database deliverables .

06/09 – 06/12	Meter Inspection Program, City of Atlanta, Atlanta, GA. <i>Mobile GIS Manager</i> in charge of the 80,000 water meters located and inspected by Arcadis crews. Coordinated data finalization with the inventory coordinator and prepared final database deliverables.
08/12 – 08/14	Clayton Stormwater Inventory, Clayton County Water Authority, Clayton County, GA. <i>Mobile GIS Manager</i> in charge of the collection of 12,000 stormwater structures. Assisted with the coordination of field team members to provide complete coverage. Coordinated data finalization with the inventory coordinator and prepared final database deliverables.
01/05 – 01/10	DeKalb Stormwater Inventory, DeKalb County Department of Public Works, DeKalb County, GA. <i>Mobile GIS Manager</i> for the DeKalb County Countywide MS4 Stormwater Inventory. Performing crew management and quality assurance and quality control (QA/QC) procedures during the field collection, compilation, and QA/QC of approximately 140,000 stormwater structures, 4,000 detention facilities, and 70,000 closed conveyances to date.
01/01 – 01/04	Gwinnett Stormwater Inventory, Gwinnett County, GA. <i>Mobile GIS Manager</i> in charge of the Gwinnett County Stormwater Inventory. Organized and maintained all data flowing into and out of the project. Assigned, monitored, and quality-checked all data reduction among multiple GIS technicians while working directly with field crews to provide complete and accurate coverage of the County's stormwater system.
01/04 – 01/06	McDonough Stormwater Inventory, City of McDonough, GA. <i>Mobile GIS Manager</i> in charge of the collection of the City's stormwater system. Oversaw the post-processing of field data and maintained connectivity and flow for potential future use in network analysis. Generated map sets depicting inaccessible structures. Identified stormwater outfalls. Assisted water engineers in the preparation of a pond quality assessment and recommendations report.

ROADWAY AND BRIDGE DESIGN STAFF

Firm employed by. 			Meets MPR No. 4
Name	Jose Rodriguez, PE	Years of relevant experience with this employer	5
Title	Senior Roadway Engineer	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	BS / 1992 / Civil Engineering, University of New Orleans		
Active registration number / state / expiration date	PE.0030492 / LA / Exp. 03/2027		
Year registered	2003	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Roadway Design		
	Mr. Rodriguez has more than 26 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, cost estimating, and project implementation for various clients in the states of Louisiana, Texas, Georgia, and North Carolina. His roadway design experience includes extensive expertise in the analysis, design, and estimating of highway safety hardware across a range of roadway environments and project types. He worked closely with the Louisiana Department of Transportation, City of New Orleans Department of Public Works, New Orleans Sewer and Water Board, Plaquemines Parish, Jefferson Parish, St. Bernard Parish, U.S. Army Corps of Engineers, and New Orleans Regional Planning Commission. His experience includes a wide range of project applications including Stage 0 feasibility and safety studies, safety design, environmental assessments, and design projects. Through his work, he has gained extensive experience in Inroads, Autodesk Civil 3d, Leap Bridge for Concrete Bridge Design, and Excel. Jose also served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010.		
Experience dates	Experience and qualifications relevant to the proposed contract		
04/23 – 01/25	LA 22 Tchefuncte River Bridge, LADOTD, St. Tammany Parish, LA. Lead Roadway Engineer. Responsible for preliminary roadway and drainage design for a Stage 0 Feasibility Study to develop and evaluate feasible alternatives for the replacement of the LA 22 Tchefuncte River Bridge in Madisonville, LA. The bridge has a high frequency of opening due to marine traffic and low elevation above the river. His team developed several bridge alternatives including fixed and moveable bridge options, with safety barrier designs to accomodate the various options . Alternatives were evaluated with respect to construction cost, ROW, traffic and safety, and environmental. All study methods and results were documented in a Stage 0 Feasibility Report with Preliminary Scope and Budget Checklist and Environmental Checklist.		
02/22 – 04/25	I-10 Calcasieu River Bridge P3 (Calcasieu Parish, LA). Senior Roadway Engineer for the I-10 Calcasieu Bridge Replacement P3 project to replace the existing I-10 bridge over the Calcasie River with a new bridge north of I-10. The project also includes the construction of several new bridge structures within the project limits, both inside and outside widening of I-10, improvements and modifications to existing interchanges, and improvements to other associated roadways within the project limits. He was responsible for identifying locations requiring roadside protection through application of clear zone principles and roadside safety analysis, determining appropriate lengths of need, establishing guardrail limits, designing approach transitions, and coordinating guardrail layouts with roadway geometry. The design of this project included new bridge barrier, longitudinal roadway barrier, median barrier, end treatments, and a large number of guardrail.		
05/12 – 12/15	Earhart Boulevard Causeway Interchange, LADOTD, New Orleans, LA. Roadway Designer. Responsible for the geometric design and roadway plan preparation for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow in traffic for the New Orleans Metro Area.		

	It consisted of the development roadway and bridge ramps for the creation of an elevated signal-controlled interchange. The estimated construction cost for this project was approximately fifty-nine million dollars. He was responsible for the development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project. Additional responsibilities included the design of roadside barriers to protect drivers from hazards like fixed objects, bridge approaches, embankments, drainage structures, and other obstacles, all while following current roadway design standards.
02/10 – 06/11	I-10 from Veterans to Clearview, LADOTD, Metairie, LA. Roadway Designer. Responsible for roadway plan preparation for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project included bridge work to accommodate the new roadway widening. Jose was also responsible for the alignment and design of concrete sound walls, as well as bridge, median and longitudinal barrier , and end treatments along the corridor.
07/09 – 07/15	Peters Road Expansion, Phases I, II and III, LADOTD, Plaquemines, LA. Roadway Designer. Responsible for the geometric design, plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, and approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barriere Road. The projects included analysis and design for bridge and safety barrier . The projects were prepared in coordination with Plaquemines, DOTD and the U.S. Army Corps of Engineers.
01/08 – 05/08	I-12 to Bush Corridor Study Phase III, LADOTD, St. Tammany Parish (STP), LA. Roadway Designer. Responsible for evaluating environmental issues and developing design alternatives, including shoulder guardrail, bridge barrier, and end treatments , in accordance with the National Environmental Policy Act (NEPA) for transportation improvements.
02/07 – 10/09	John James Audubon Bridge Approach (Design-Build [DB]), LADOTD, New Roads, LA. Roadway Designer. Responsible for the geometric horizontal and vertical alignment for five approach bridges to the John James Audubon Cable Stay Bridge., the longest cable-stayed bridge in the Western Hemisphere consisting of a 1,583' main span. This project included the design for a combination of rigid barrier, guardrail, guardrail transitions, and end terminals . Also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.
01/06 – 09/09	New Orleans Submerged Roadway Program Management New Orleans, LA. Project Designer and Quality Control Reviewer for a multi-million-dollar program for LADOTD and the Federal Highway Administration (FHWA). He helped develop design guidelines and processes for the standardization of engineering work to repair the roadways damaged by Hurricane Katrina in the City of New Orleans and other Parishes and conducted quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards. These standards included designs for repair and replacement of guardrail and barrier for safety, as well as end terminals .
06/04 – 01/11	Causeway Boulevard Interchange Improvements Phase I and II, LADOTD, Metairie, LA. Roadway Designer for the project, which consisted of widening the Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily traveled interchange. Included design of rigid barrier and end treatments for ramps and structure , as well as on adjoining local streets for fixed object protection as part of the roadway plan preparation for this project. Also, responsible for evaluating and design of new sewer and water lines for the project and coordinating the removal and replacement of all utilities affected by the new roadways or/and structure foundations.

Firm employed by. 			Meets MPR No. 3
Name	David Fulks, PE	Years of relevant experience with this employer	18
Title	Principal Roadway Design Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		MS / 2019 / Engineering Management, The George Washington University BS / 1997 / Civil Engineering, Portland State University	
Active registration number / state / expiration date		PE.030151 / LA / Exp. 09/30/2026	
Year registered	2002	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Roadway Design	
		Mr. Fulks has more than 30 years of experience in the design of roadways and pedestrian facilities, land developments, flood protection systems, and airports. His experience encompasses the analysis and geometric design of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His experience has been applied to a range of projects, from Stage Zero feasibility and safety studies to design and construction plan development. His responsibilities have included preparing engineering designs, reports, plans, and specifications; developing and managing project schedules and cost estimates; and providing construction administration.	
Experience dates		Experience and qualifications relevant to the proposed contract	
09/12 – 09/13		US 165 Connector and Ouachita River Bridge Environmental Impact Statement, Louisiana Department of Transportation and Development (LADOTD), Ouachita Parish, LA. Roadway Design Engineer. Prepared <i>roadway and bridge general plan designs, line and grade report development, and cost estimates</i> for a new five-mile elevated highway through Chauvin Swamp north of Monroe, LA. An in-town corridor was also developed, which entailed upgrading Louisville Avenue and Hudson Lane in Monroe, the Lea Joyner Bridge over the Ouachita River, and Stella Street in West Monroe to function as a one-way couplet. Early coordination with Delta Southern Railroad was included. Preliminary investigation for guardrail and barrier was also completed, along with cost estimates.	
09/09 – 03/12		Kansas Lane – Garrett Road Connector Environmental Assessment/Interchange Modification Request, LADOTD, Ouachita Parish, LA. Lead Engineer. Performed <i>geometry and roadway design</i> of the new Kansas City Southern Railroad overpass and connector between Kansas Lane and Garrett Road, including interstate interchange modifications to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the corridor outside of the interchange. <i>Improvements to the pedestrian and bicycle facilities</i> were included in accordance with the LADOTD Complete Streets Policy.	
08/11 – 09/13		Chef Menteur Bridge and Approaches Replacement Environmental Assessment and Line and Grade Study, LADOTD, Orleans Parish, LA. Lead Roadway and Bridge Geometrics and Cost Engineer. Prepared proposed geometric configurations of a bridge replacement at Chef Menteur Pass. Investigated four alignments, as well as both low-level moveable and high-level fixed span bridge configurations. Performed detailed <i>geometric layouts</i> of the mainline highway, bridge, and adjacent roadways to <i>mitigate impacts to environmentally sensitive resources</i> and local residential, commercial, and historical interests. Barrier and shoulder guardrail concepts designed for the various alternatives, with end treatment accommodations for nearby local street intersections.	
01/14 – 06/23		Pete's Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA. Lead Roadway and Bridge Geometrics and Cost Engineer. Completed an <i>Environmental Assessment</i> and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included	

	two split-diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing eastern overpass at Pete's Highway (LA 16), and a diverging diamond interchange alternative at Range Avenue. <i>Developed roadway geometry, line and grade, construction sequencing strategies, and construction cost estimates. Investigated need for guardrail and barrier on ramps and C-D road.</i>
04/13 – 07/14	US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, LADOTD, St. Tammany Parish, LA. <i>Lead Roadway Engineer.</i> Performed <i>geometry and roadway design, line and grade study development, and cost estimates</i> for the replacement of an historic railroad overpass bridge and the upgrading of an existing two-lane rural highway to a four-lane divided highway with access control. Early coordination with Norfolk Southern Railroad was included, as well as design of guardrail, barrier and end treatments.
05/14 – 05/15	Joe Sevario / Roddy Road Roundabouts, LADOTD, Ascension Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Performed <i>geometric and roadway design and developed cost estimates</i> for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.
07/15 – 06/17	US 190B at Jefferson Ave Roundabout, LADOTD, St. Tammany Parish, LA. <i>Roadway Engineer.</i> Performed <i>geometric and roadway design, prepared preliminary plans, and developed cost estimates</i> for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.
12/13 – 06/15	LA 3235 Corridor Safety Feasibility Study, LADOTD, Lafourche Parish, LA. <i>Lead Roadway Geometrics and Cost Engineer.</i> Designed geometric layout of safety improvements, including access management, restrictive intersections, and added turn lanes. Developed <i>construction cost estimates for proposed improvements to assess feasibility of proposed alternatives.</i>
11/14 – 10/15	LA 44 and Loosemore Road Roundabout, LADOTD, Ascension Parish, LA. <i>Deputy Project Manager and Lead Roadway Engineer.</i> Performed <i>geometric and roadway design, conducted preliminary subsurface utility investigation, and developed cost estimates</i> for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.
02/15 – 08/17	US 71 Corridor Phase II, LADOTD, Rapides Parish, LA. <i>Roadway Engineer.</i> Provided technical oversight for conceptual design drawing development as part of the preparation of a Stage Zero feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Completed Stage Zero documentation, including Preliminary Scope and Budget and Environmental Checklists.
06/00 – 12/00	Hesper and Helios Avenue Street Rehabilitation, Jefferson Parish Engineering Department, Harvey, LA. <i>Roadway Engineer.</i> Completed inspections and developed rehabilitation recommendations for eight blocks of local streets. Rehabilitation required demolition and replacement of concrete road panels, milling and overlay of asphalt surfaces, and installation of drainage inlets and subsurface drainage, as well as replacement of damaged and under-performing subsurface drainage. Performed inspections, <i>collaborated with Parish representatives and utility companies</i> , identified appropriate rehabilitation measures, and produced plans illustrating the rehabilitation recommendations.
02/09 – 4/10	US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, United States Army Corps of Engineers – New Orleans District, Jefferson Parish & St. Charles Parish, LA. <i>Deputy Project Manager and Lead Roadway and Drainage Engineer.</i> Developed <i>preliminary and final design</i> plans and specifications for a 2,540-foot prestressed concrete girder/column bent bridge, highway approaches, and frontage roadways. Design included bridge barrier and applicable end treatments.

Firm employed by:



Name	Garret Keller, PE	Years of relevant experience with this employer	17
Title	Design Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS / 2011 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.00040977 / LA / Exp. 03/2027		
Year registered	2016	Discipline	Roadway Design
Contract role(s) / brief description of responsibilities	Designer		



Mr. Keller is a civil design engineer who has spent his entire tenured career at Arcadis. He has been involved in several Louisiana Department of Transportation and Development (LADOTD) projects and has **direct experience utilizing DOTD's Roadway Design Procedures and Details Manual**. His responsibilities have included roadway and structural detailing and design, civil design, geometrics, and cost estimating. He also oversees implementation of CAD **systems and standards for Louisiana** including MicroStation, InRoads, and CAD conform for LADOTD work.

Experience dates	Experience and qualifications relevant to the proposed contract
09/12 – 04/14	US 165 Connector and Ouachita River Bridge Environmental Impact Statement, LADOTD, Ouachita Parish, LA. Roadway Designer. Provided roadway design support on a project that provided needed transportation system linkage in the north Monroe region. Preliminary design for guardrail and barrier was included in this project.
08/11 – 11/14	Chef Menteur Bridge and Approaches Environmental Assessment, LADOTD, Orleans Parish, LA. Roadway Designer. Performed geometry and roadway design for a high-priority bridge replacement. Key issues included minimizing impacts to Bayou Sauvage National Wildlife Refuge, Fort McComb, the existing bridge that was eligible for the NRHP, and compliance with Complete Streets Policy. This project included barrier and end treatments.
07/15 – 06/17	US 190B at Jefferson Avenue Roundabout Design, LADOTD, St. Tammany Parish, LA. Roadway Engineer. Performed geometric and roadway design for replacing an existing four-lane signalized intersection with a single-lane roundabout. The project also included a Context Sensitive Solutions study to optimize benefits to adjacent real estate and community needs.
02/19 – 06/23	NDRC Ohio Creek Watershed Project, City of Norfolk, VA. Lead Civil Engineer. Constructed earthen berms, reinforced concrete floodwalls, and internal stormwater pump stations, as well as upgraded existing transportation infrastructure to provide better mobility and safety for pedestrians and bicyclists . These features included elevated roadways, new shared use paths, new guardrail and end treatments to accommodate local drives, upgraded culverts with stormwater closure structures, and various green infrastructure treatments.
11/12 – 04/13	LA 594 (Millhaven Rd.) Alternatives, I-20 Economic Development Corporation, Ouachita Parish, LA. Primary Designer. Developed roadway intersection and roundabout improvement alternatives for a LADOTD Stage Zero study . Two roundabouts were evaluated in compliance with LADOTD Engineering Directives and Standards Manual (EDSM) V.1.1.5 (Analysis) and EDSM V.1.1.6 (Design).
02/09 – 02/13	US 90 WBV 73 – Western Tie-In Crossing Lake Cataouatche Area (Bridge/Roadway Approach/T-walls), United States Army Corps of Engineers – New Orleans District, Jefferson & St. Charles Parishes, LA. Project Designer. Prepared plans and specifications for a new floodwall and highway bridge in St. Charles Parish. Designed floodwalls, a four-lane highway bridge, and detour roads to maintain traffic traveling on US Highway 90. The project involved improvement layout and quantity calculations in support of cost estimate, as well as designs for bridge barrier and end treatments.

Firm employed by. **ARCADIS**

Name	Jennifer Barnes, PE, PS	Years of relevant experience with this employer	<1
Title	Transportation Principal Project Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization	BS / 2007 / Civil Engineering, Ohio State University		
Active registration number / state / expiration date	PE.76740 / OH / Exp. 12/31/2027; PS.8809 / OH / Exp. 12/31/2027		
Year registered	2012 / 2021	Discipline	Professional Engineer / Professional Surveyor
Contract role(s) / brief description of responsibilities	Roadway Design		



Ms. Barnes is an experienced engineering professional with a diverse background in planning, design, construction, and maintenance, bringing a unique end-to-end perspective to both project and asset management. Her experience enables effective project delivery while identifying strategies that **maximize asset longevity**, performance, and value. Jennifer also brings **experience and knowledge of surveying, contributing to accurate project development and implementation**. She is adept at working with ODOT and local agencies, coordinating across stakeholder groups, and managing competing priorities in complex project environments. Jennifer is recognized for effective communication, and a positive, forward-thinking mindset.

Experience dates	Experience and qualifications relevant to the proposed contract
11/22 – 05/26	Highway Management, Ohio Department of Transportation, District 9. Highway Management Administrator. Ensured that employees completed annual inspections of all guardrail end terminals in the district, made repairs as needed, and documented inspections. Served as technical advisor on guardrail replacements/installations by maintenance forces. Also prepared scopes of work and cost estimates for annual guardrail contract projects , approximately \$1M per project. Scopes of work included prioritizing and selecting locations for upgrade. Projects included long line upgrades and new guardrail installation. Supported project planning, design, and construction through project process.
01/20 – 01/21	Guardrail Priority List- Ohio Department of Transportation, District 9. Roadway Planning Engineer. Developed a prioritization process for new guardrail location installations . Process included a scoring system with multiple criteria to rank locations based upon need, feasibility, and ODOT guardrail warrants . Process also included a flow chart for reviews and approvals.
11/18 – 11/22	Capital Programs, Ohio Department of Transportation, District 9. Roadway Planning Engineer. Served as Program Manager for multiple roadway programs, including guardrail . Prepared scopes of work and cost estimates for annual guardrail contract projects , approximately \$1M per project. Scopes of work included prioritizing and selecting locations for upgrade. Projects included long line upgrades, new guardrail installation, and systematic end treatment upgrades. Supported project planning, design, and construction through project process.
01/09 – 01/17	Gallia County Engineer's Office. Assistant Engineer. Served as Project Engineer and Project Manager for all Gallia County infrastructure projects, managing delivery across planning, design, construction, and administration. Administered the county's annual capital improvement plan and served as Project Manager for annual guardrail projects , which included preparing comprehensive scopes, design plans, and contract specifications. Supported asset management by performing infrastructure inspections and condition assessments; developed and utilized a target guardrail prioritization system based on asset age, physical condition, Average Daily Traffic (ADT), and structural need . Oversaw in-house and contract projects, supervised construction progress, ensured specification compliance, and handled reporting, invoicing, and bid document

	preparation. Led office staff, GIS/mapping functions, and highway crews, while coordinating extensively with local, state, and federal agencies.
07/13 – 07/14	GAL CR 50 VAR GR FY2014 Guardrail Project. <i>Project Manager and Project Engineer.</i> Prepared project scope, plans and bid documents for a guardrail installation/upgrade project on Gallia County roads. Prioritized and selected locations for new installation and replacement, and designed guardrail and end terminals to meet state and county standards . Worked with contractors to resolve field issues and complete change orders.
07/11 – 07/12	GAL CR 12 VAR GR FY2012 Guardrail Project. <i>Project Manager and Project Engineer.</i> Prepared project scope, plans and bid documents for a guardrail installation/upgrade project on Gallia County roads. Prioritized and selected locations for new installation and replacement, and designed guardrail and end terminals to meet state and county standards. Worked with contractors to resolve field issues and complete change orders.
01/11 – 12/11	GAL CR 1 0.000 Guardrail Project. <i>Project Manager and Project Engineer.</i> Prepared project scope, plans and bid documents for a guardrail installation/upgrade project on Gallia County roads . Prioritized and selected locations for new installation and replacement, and designed guardrail and end terminals to meet state and county standards. Worked with contractors to resolve field issues and complete change orders.
01/10 – 12/11	GAL CR 76 (FH24) Box Culverts. <i>Project Manager and Project Engineer.</i> Prepared project scope, plans and bid documents for the purchase of 3 box culverts and long span guardrail for installation for each on Gallia County roads. Ensured construction was completed as per plan. Worked with contractors to resolve field issues and complete change orders.
01/10 – 7/11	GAL CR 63 0.000 Guardrail Project. <i>Project Manager and Project Engineer.</i> Prepared project scope, plans and bid documents for a guardrail installation/upgrade project on Gallia County roads. Prioritized and selected locations for new installation and replacement, and designed guardrail and end terminals to meet state and county standards. Worked with contractors to resolve field issues and complete change orders.

Firm employed by.



Name	William Scott Lee		Years of relevant experience with this employer	5
Title	Project Task Manager		Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization			BSCET / 1991 / Southern College of Technology (now Kennesaw State University Marietta Campus)	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Roadway Design	
			Mr. Lee has more than 28 years of experience working with the Georgia Department of Transportation (GDOT). He is experienced in the transportation field as a Quality Control/Quality Assessment (QC/QA) Reviewer, Project Manager, Designer, Construction Inspector, and Survey Location Engineer. He has worked on many transportation projects varying from simple road projects to major interstate interchange projects. His experience includes construction management and inspection, field plan reviews, QC/QA reviews, roadway designs, survey management, and survey field data. He held key positions with GDOT over 26 years, including District Construction Manager, District Preconstruction Engineer, Design Engineer, Location Engineer, Design Squad Leader, Survey Data Engineer, and Computations Engineering Technician, (CET)/Project Manager/Inspector. He has successfully led multi-disciplinary teams to deliver projects and is an effective team leader who works closely with discipline leads and clients to meet objectives and define priorities to deliver multiple, concurrent projects on schedule and budget.	
Experience dates			Experience and qualifications relevant to the proposed contract	
12/20 – Ongoing			QC Plan Reviews of Multiple Projects, GDOT, Statewide, GA. Responsible for QA/QC and constructability Plan Reviews of in-house designs, design-build projects. Design-Build projects include Glenwood and Covington Highway at I-285 (PI 0017129); Peachtree Industrial at I-285 (PI 0017126); I-285 Aux Lane Design Build (PI 0017130); and SR 25 Bridges at Savannah River and Middle River (PI 0013741 & PI 0013742). In-house design projects include SR 83 Connector (PI 0000411); SR 14 at Corinth Road Roundabout (PI 0015844); SR 16 at SR 42 Roundabout (PI 0015425); SR 10 BUS at US 78/SR 10 Ramp Improvements (PI 0015678); Rome Bypass (PI 662420); and US 41/SR 247 at US 129/SR 11/SR 29 Roundabout (PI 0015686). <i>Assists the District 7 Maintenance, Engineering, and Inspection (MEI) office with resurfacing and guardrail projects.</i>	
07/18 – 11/20			GDOT District 7, Chamblee GA. <i>District Construction Manager.</i> Managed and directed construction management and inspection activities for 65 active GDOT projects and 54 local let projects in District 7. Managed three Area Offices with a combined staff of 42 GDOT positions and 71 CEI positions. Attended concept team meetings, field plan reviews, preconstruction meetings, and final inspections.	
02/11 – 07/18			GDOT District 7, Chamblee GA. <i>District Preconstruction Engineer.</i> Managed and directed preconstruction activities for District 7. Managed the offices of District Design, Right-Of-Way, and Survey with a combined staff of 40 positions. Attended concept team meetings, field plan reviews, and conducted QC/QA reviews.	
08/04 – 02/11			GDOT District 7, Chamblee GA. <i>District Design Engineer.</i> Managed District design staff of 12 to 16 positions with an average yearly workload of 15 to 20 GDOT design projects. Managed local administered projects assigned to District 7 (average of 60 active projects per year). Complexity of projects included minor to moderate intersection improvements,	

	bridge replacements, enhancement projects (sidewalk/trail), and resurfacing projects. Attended concept team meetings and field plan reviews, and conducted QC/QA reviews.
03/04 – 08/04	GDOT District 7, Chamblee GA. <i>District Location Engineer.</i> Managed and directed field survey operations for District 7, including three field offices totaling eight survey crews.
05/98 – 03/04	GDOT District 7, Chamblee GA <i>Design Squad Leader.</i> Supervised a District design squad. Prepared concept reports, ROW, and construction plans for various roadway projects including SR 124 Widening, SR 6 Intersection Improvements at Oglesby and Hill Road, Freemanville Road Bridge Replacement over Chicken Creek, SR 166 Lankford Parkway Median Reconstruction, SR 5 at Rose Avenue Intersection Improvement, and I-285 Shoulder Reconstruction. Developed District Program for managing local let projects assigned to District 7.
03/95 – 05/98	GDOT District 7, Chamblee GA. <i>Survey Data Engineer.</i> Processed and formatted survey data in CEAL, CAiCE, and MicroStation. Provided training and assistance to field survey crews for collecting field data.
05/92 – 04/94	GDOT District 1, Lawrenceville, GA. <i>CET/Project Manager/Inspector.</i> Managed and inspected GDOT projects for compliance with plans and specifications. Projects included SR 20 Widening, SR 316 Resurfacing, SR 13 Widening, and SR 124 Resurfacing,

Firm employed by. 			Meets MPR No. 4	
Name	Osama Shahawy, PE		Years of relevant experience with this employer	6
Title	Senior Bridge Engineer		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		MS / 1991 / Civil (Structures), Florida State University BS/1983/Civil Engineering		
Active registration number / state / expiration date		PE.0035652 / LA / Exp. 09/30/2026		
Year registered	2010	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Bridge Design		
		Mr. Shahawy has over 36 years of experience in structural bridge engineering, working on projects throughout Louisiana and the Southeast. He served as PM or EOR on 100+ projects involving extensive bridge plans, specifications, and estimates, as well as preservation, rehabilitation, and bridge replacement. His experience includes coordinating teams of engineers and other technical personnel in the preparation of bridge PS&E design/ management, including on- and off-system bridges in rural/urban areas with heavy utilities & complex TCP. Additionally, he has extensive experience working on complex structures, including segmental, truss, and multi-level interchange bridges. Mr. Shahawy has specialized <u>expertise in roadside safety and barrier design, including flexible guardrail systems, concrete traffic barriers, bridge rails, MASH-compliant end treatments, pedestrian and bicycle facility protection, bridge approach barriers, and median barrier systems supporting roadway lighting, sign structures, and bridge substructures</u>. Also, provides solid construction support capabilities—a benefit that ensures constructible technical solutions and more complete construction documents. Leveraging his decades of experience, he will verify accuracy, check for compliance, review comments, and ensure that agency and stakeholder comments and concerns are addressed.		
Experience dates		Experience and qualifications relevant to the proposed contract		
02/06 – 12/07		Multi-level interchange, US287 Midlothian Bypass, TXDOT, Midlothian, TX, Structure Engineer of record for \$46.6 million bypass. Responsibilities: Prepare the Design and details of the interchange where Highway 287 crosses over Highway 67 south of Midlothian. Complex item: Design multi-level bridges using concrete and steel structures. The 650-degree curved structure was designed using a steel plate girder bridge. The slab over the steel structure used a Five-stage pouring sequence to control structural deflection and camber during construction. Developed a comprehensive barrier design that enhances safety, operational efficiency, and long-term maintainability throughout the interchange. The barrier system will be designed in accordance with current AASHTO LRFD Bridge Design Specifications, AASHTO Roadside Design Guide, applicable DOT standards, and project-specific design criteria.		
01/08 – 04/09		Galatyn Parkway West Extension, TXDOT, Dallas District, TX: Project Manager for segmental cast-in-place bridge extension at the City of Richardson from the Galatyn Parkway over US 75 to Palisades Boulevard, Richardson. The bridge superstructure has two spans (78' and 67'). Designed and managed barrier replacement and retrofit projects to bring existing bridge railings, traffic barriers, and approach barriers into compliance with current bridge safety standards. Developed wall-mounted barrier systems that provide required vehicle containment while maximizing roadway width and minimizing the structure's footprint. Evaluated barrier loading, wall geometry, and required test levels to ensure the retaining wall and barrier system function as an integrated structure. Design of traffic signs and lighting poles mounted on concrete barriers, or median barriers, including structural attachment details in compliance with applicable TxDOT and AASHTO requirements.		

04/13 – 09/17	I-30/I-35E Interchange - Horseshoe Design-Build, TXDOT, Dallas, TX. Design Manager: Review plans and calculations. Prepared schedules, reviewed design criteria, conducted peer reviews of concrete girder bridges, and verified foundation design loads and analyses for single- and multi-column bent caps. Performed independent design reviews (IDRs) of multiple superstructures and substructures designed for connector Bridges. Prepared IDR summary notes and a checklist for structural components to verify structural integrity and vertical clearance. Complex Items: Designed and detailed five (5) large, dissimilar <i>signs to be mounted on existing concrete and steel bridges</i>, and prepared and reviewed mounting details and connections to concrete and steel railroad bridges. The Sign truss structure is designed and detailed to accommodate different skew angles and sign sizes. <i>Developed a comprehensive barrier design that enhances safety and operational efficiency.</i> Also, inspect and assess damage to the subsurface concrete drainpipe and review repair details. Addressed potential conflicts and optimized constructability. <i>Transition details between wall-mounted barriers, bridge rails, concrete traffic barriers, and approach rail systems.</i> Review rehabilitation plans and recommended construction specifications.
11/17 – 05/19	SH 183 Managed Lanes - Design-Build, TXDOT, Dallas, TX: Structure Manager responsible for preparing structural layouts and designs for the Comprehensive Development Agreement “SH183 Managed Lanes Project”. Led a team of structural engineers to provide design and layout, including stage construction, for 51 bridges and 128 walls for the base and components scope along SH 183, SH 114, and LP 12 from SH 121 to IH 35E in Dallas and Tarrant Counties. Inspect and evaluate the condition of 42 bridges along SH114. Prepare geometry and a connection to a collector-distributor. <i>Designed barrier systems supported on reinforced-concrete foundations and drilled shafts.</i> These systems provide a robust, durable solution that resists vehicular impact loads while accommodating challenging geotechnical and site constraints. <i>Developed protective barrier systems for pedestrian and bicycle facilities, including shared-use paths, sidewalks, and separated multi-use corridors on bridge and roadway projects.</i> Direct preliminary design for soil nails, drilled shafts, and cast-in-place walls in various locations along the corridor. Prepare bridge and wall exhibits for the bidding document.
07/11 – 05/13	SM Wright, Phase 2, TxDOT, Dallas, TX, Project Manager and Structure Manager for the SB IH 45 widening at Pennsylvania Ave. The bridge was built in 1970 with concrete and steel girder spans. Mr. Shahawy conducted an independent technical review of bridge structures and responded to a construction request for information (RFI). Evaluate exit ramp geometry for the gore area of the bridge widening and review the as-built plans. Respond to contractor RFIs regarding gore area end wall and steel unit end bearings. <i>Worked with TxDOT to modify the details of the steel girder end bearings and provided a detailed extension wall to close the gap between the existing and new bridges.</i> I provided thorough, timely responses to construction RFIs to maintain the construction schedule and avoid delays. <i>Developed bridge approach barrier systems and Metal Beam Guard Fence (MBGF) installations that provide a continuous, crashworthy roadside safety system between bridge structures and roadway approaches.</i>
07/11 – 06/12	I-10 over Calcasieu River - Lake Charles Bridge, Lake Charles, LA. Project Manager, Engineer of Record. Responsible for bridge inspection of four steel deck trusses and a cantilever steel thru-truss for the central span of the bridge, covering a total length of 6,617 ft. and a width of 62.67 ft. Reviewed the as-built and rehab project plans. <i>Developed inspection forms;</i> performed load rating based on the bridge's present condition, capacity, and loading; rated the gusset plate and connection systems in accordance with the Federal Highway Administration (FHWA)-IF-09-014; <i>performed QA/QC</i> and assisted in developing the final report.

Firm employed by.



Name	Victor Sanchez, PE		Years of relevant experience with this employer	3
Title	Principal Bridge Engineer		Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			MS / 2017 / Civil Engineering-Structures, Ohio University BS / 1991 / Civil Engineering with a major in Structures, Universidad Autonoma de Santo Domingo	
Active registration number / state / expiration date			PE. 0033976 / LA / Exp. 09/2026	
Year registered	2008	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Bridge Design; Plan Development and Letting Support	
		Mr. Sanchez is the Lead Bridge and Structural Engineer for Arcadis' Louisiana Operations. He is highly skilled in the design and detailing of structures using AASHTO LRFD, the Louisiana Department of Transportation and Development (LADOTD) Bridge Design Manual, and software applications such as OpenBridge for bridge modeling and planning. His project experience includes Stage 0 Feasibility Studies, Stage 1 Planning/Environmental, and design projects. He applies sound structural knowledge to perform hand calculations for bridge structural design and possesses strong management skills, along with a willingness to collaborate effectively with various stakeholders within the project organization, including clients, multidisciplinary engineers, and project managers. His exceptional leadership abilities, combined with his knowledge of LADOTD policies, standards, and manuals, make him an effective team builder.		
Experience dates		Experience and qualifications relevant to the proposed contract		
02/22 – Ongoing		I-10 Calcasieu River Bridge P3, Calcasieu Parish, LA. Bridge Lead Engineer. The I-10 Calcasieu is one of the first Public-Private Partnership (P3) projects in Louisiana and involves the replacement of several bridges, including the main structure spanning the Calcasieu River. The project is divided into three segments. Arcadis leads the design of Segment 1, which includes the replacement of the WB I-210 Ramp over I-10. The bridge is a six-span bridge structure consisting of two units, each being a three-span continuous curved steel plate girder bridge. The substructure consists of concrete hammerhead piers on spread footings supported by precast concrete piles. As Bridge Lead Engineer and Engineer of Record (EOR), directed a team of engineers and drafters in the preparation of design plans, structural calculations, and quantity takeoff for the WB I-210 Ramp replacement over the I-10, and coordinated with project partners, the owner, and the contractor through formal coordination meetings. The design plans for this project included bridge barrier and end treatments.		
10/22 – Ongoing		Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Replacement (OSBR) Program, District 01, LADOTD, LA. Bridge Lead Engineer. Prepared preliminary and final plans of six proposed bridges with bridge barrier and end treatments, which included plan and profile sheets, typical roadway sections and quantities, a general bridge plan, traffic detour and road closure details, and relevant signing plans, as well as channel cross-sections.		
04/23 – 01/25		Stage 0 Studies IDIQ – LA 22 Tchefuncte River Bridge, LADOTD, St. Tammany Parish, LA. Lead Bridge Design Engineer. Led bridge design efforts for the Stage 0 Feasibility Study to develop and evaluate feasible alternatives for the replacement of the LA 22 Tchefuncte River Bridge in Madisonville, LA. The bridge has frequent openings due to marine traffic and its low elevation above the river. Arcadis developed several bridge alternatives, including fixed and movable bridge options, along with applicable guardrail, barrier, and end treatment designs for the various alternatives. Evaluated alternatives based on		

	construction cost, Right of Way, traffic and safety, and environmental criteria. All study methods and results were documented in a Stage 0 Feasibility Report with a Preliminary Scope and Budget Checklist and an Environmental Checklist.
06/14 – 07/15	I-10 Over Julia Street, Girder Rehabilitation Project, LADOTD, New Orleans, LA. <i>Bridge Design Engineer and EOR.</i> Led bridge design to address the partial failure of connection plates attaching girders to straddle bents on an I-10 exit ramp. The scope included replacement of the steel cap beam at straddle bent 25W, replacement of all connecting plate elements at cap 26W, and analysis and rehabilitation of the affected three-span continuous structure (74'-132'-132'). Coordinated the preparation of contract documents, plans, calculations, and estimates, and performed QC/QA. Supported construction by reviewing and approving contractor shop drawings and design calculations.
05/16 – 05/17	Union Pacific Railroad Overpass Near Tioga, LADOTD, Rapides Parish, LA. <i>Lead Bridge Design Engineer and EOR</i> for a 950' long bridge consisting of a main span using steel plate girders as superstructure elements over three continuous spans (210'-275'-210'); and bridge approaches to the main spans consisting of two 85' AASHTO type III prestressed concrete continuous spans at the north side and one 85' AASHTO type III prestressed concrete span at the south side. Safety hardware for the project included bridge barrier, bridge end terminal assemblies, guardrail, and end treatments. Conducted bridge design, with responsibility for contract document preparation, including cost estimating, specifications, final plan preparation, structural calculations, load rating, and coordination for project delivery per LADOTD policies.
04/16 – 12/16	Indian Bayou Bridge and Approaches, LADOTD, Calcasieu Parish, LA. <i>Lead Engineer and EOR</i> for a bridge 675' in length and consisting of three continuous span units with a length of 225', with each unit using precast prestressed concrete girders as superstructure elements over three continuous spans (75'-75'-75'). The bridge safety hardware includes concrete barrier and end treatments. Responsibility for contract document preparation, including cost estimating, specifications, final plan preparation, structural calculations, load rating, and coordination of project delivery per LADOTD policies.
04/15 – 03/16	Union Pacific Railroad Bridge at Sicard, LADOTD, Ouachita Parish, LA. (LADOTD). <i>Lead Engineer</i> for a bridge consisting of a main span using steel plate girders as the primary superstructure elements over three continuous spans (102'-175'-102'); with the bridge approaches consisting of three 84' continuous spans on the north side and three 84' continuous spans on the south side. The bridge project also included concrete barrier, guardrail, and end treatments. Completed plan quality reviews, prepared the bridge load rating report, and assisted the LADOTD Environmental Section in completing the environmental clearance for the project. Provided load ratings and construction support. Shop drawings review.
05/18 – 11/19	I-485 from I-77 to US 74; I-485 / Weddington Rd Interchange; and I-485 / East John St. - Old Monroe Rd. Interchange (Design-Build), NCDOT, Mecklenburg County, NC. <i>Structural Design Lead and Project Manager</i> for the replacement of two bridges in the project, including STR#1 over Westinghouse Blvd. and widening of STR#12 over CSX railroads. Both structures included applicable safety hardware, including barrier and end treatments. Managed structural design and coordinated local staff to maintain budget control and timely delivery to NCDOT.

Firm employed by.



Name	Krishna Singaraju, PE		Years of relevant experience with this employer	4
Title	Project Structural Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			MS / 2018 / Structural Engineering, University of Maryland College Park BE / 2014 / Civil Engineering, Birla Institute of Technology and Sciences	
Active registration number / state / expiration date			PE.0048911 / LA / Exp. 09/2026, PE.151559 / TX / Exp. 12/2026	
Year registered	2024	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Bridge Design	
			Mr. Singaraju has experience in bridge structural design, plan production, detail review, and construction engineering methods for miscellaneous highway structures. His design responsibilities include LRFD structural analysis and design, detailing, shop drawing review, and plan production in accordance with the Texas Department of Transportation (TxDOT), Louisiana Department of Transportation and Development (LADOTD), Oklahoma Department of Transportation, and American Association of State Highway and Transportation Officials (AASHTO) specifications. His experience includes bridge superstructure and substructure design, design review, construction engineering and methods, bridge construction, cost estimate preparation, and quality control.	
Experience dates			Experience and qualifications relevant to the proposed contract	
01/22 – Ongoing			I-10 Construction Management at Risk (CMAR), LADOTD, East Baton Rouge Parish, LA. <i>Project Bridge Engineer</i> for a CMAR project to improve I-10 through widening and reconstruction. This project involved bridge replacement and rehabilitation, interchange and ramp modification, shoulder widening, and auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. Responsibilities included bridge substructure design, plan production, and quality control (QA/QC) for bridge widening and new mainline structures. Participated in design meetings and provided guidance for CAD support for plan production at multiple CMAR submittal levels for LADOTD. Prepared the temporary and permanent widening substructure drawings of existing westbound I-10 for the 90% submittal level. Prepared markups using Bluebeam Revu software and shared them with CAD engineers for sheet updates.	
04/22 – 03/23			US 90 Bridge Assessment, TxDOT, Caldwell / Gonzales County to Louisiana State Line, Multiple Counties, TX. <i>Staff Bridge Engineer.</i> US 90 Bridge Assessment Project, which included a 246-mile corridor from Caldwell/Gonzales County (west limit) to the Louisiana State Line (east limit). Created bridge reports for each TxDOT district with an index of existing bridges and calculated the deck area of functionally obsolete bridges based on TxDOT bridge inspection manual definitions. Prepared a summary of bridges by vertical clearance using Google Earth KMZ file of existing US 90 bridges sorted by district within the project limits. Performed QA/QC review of the TxDOT bridge data to validate the information shown in the bridge Summary reports.	
08/22 – Ongoing			Calton Road, Railroad Grade Separation, TxDOT, Webb County, TX. <i>Staff Bridge Engineer.</i> Project involves grade separation work at a Union Pacific Railroad (UPRR) crossing which includes constructing a seven span overpass bridge with steel plate girders, bridge barrier and end treatments . Worked on modifying steel superstructure girder detail drawings for camber diagrams and fabrication notes. Prepared bridge layout and cross sections and modified them based on comments from TxDOT review. Created a submittal package with set of applicable TxDOT standards. Calculated bridge quantities and created a quantity table on the summary sheet with required bid item codes.	

01/23 – 06/24	FM 740/ FM 548, Schematic & Environmental, TxDOT, Kaufman County, TX. <i>Staff Bridge Engineer.</i> A new proposed bridge widening for the existing FM 548 Mustang Creek Bridge. This bridge widening project involved reviewing existing bridge as-built drawings in the metric system and preparing a bridge layout for the widening structure in U.S. customary units. Responsibilities included performing a design check for additional loads due to curbs and rails on the existing superstructure using Texas Optional Girder Analysis. Created the bridge layout and typical section using MicroStation. Calculated quantities and prepared a summary of required bid item codes based on available TxDOT bid history.
02/23 – 01/25	Cross Bayou Bridge Replacement / Feasibility Study, LADOTD, Caddo Parish, LA. <i>Staff Bridge Engineer</i> for the US 71 Northbound (NB) – Spring Street and US 71 Southbound (SB) – Market Street bridge alternatives for Cross Bayou bridge replacement on Route US 71. Responsibilities included preparing bridge quantity calculations for a prestressed concrete girder bridge with a simple-span alternative and a three-span continuous steel girder alternative for the Market Street bridge. Prepared bridge quantity calculations for a prestressed concrete girder bridge alternative, and three-span and four-span continuous steel girder alternatives for Spring Street bridge. Both bridges included applicable barrier and end treatments. Performed superstructure design using an LG girder and reviewed the LADOTD manual to optimize design. Worked on the feasibility study report and created supporting drawings and design recommendations.
03/23 – 05/23	Bridge Replacement at Shelby Ave, TxDOT, Hunt County, TX. <i>Staff Bridge Engineer</i> for the new bridge design of a prestressed concrete slab beam bridge with a single span, along with safety hardware including barrier and end treatments. Responsibilities included preparing a cost estimate for the bridge using TxDOT bid history average cost for the Paris District, performing QA/QC review of the bridge geometry input in the Bridge Geometry System (BGS) software program and the bridge layout, and extracting slab beam (5SB12) step elevations. Prepared a 3D model using OpenBridge Modeling software and designed the slab beam span.
03/19 – 05/21	TxDOT PS&E IH-35 Shiloh UPRR Overpass NB & SB in Webb County, Laredo, TX. <i>Bridge Engineer.</i> This project involved designing twin bridges with prestressed concrete girder approach spans and a 3-span continuous steel unit crossing an existing UPRR railroad. Included design of bridge barrier. Modeled complex bridge geometry with skew, curvature, multiple girder types and roadway superelevation using the BGS software program to extract bent and beam geometry reports for tables in bridge sheets. s.

Firm employed by.



Name	Sushil Dhungana, PE		Years of relevant experience with this employer	8
Title	Project Structural Engineer		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			MS / 2018 / Civil Engineering (Structural), University of Texas at Arlington BS / 2014 / Civil Engineering, Tribhuvan University	
Active registration number / state / expiration date			PE.0047291 / LA / Exp. 03/2027; PE.143443 / TX / Exp. 09/2026	
Year registered	2022; 2021	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Bridge Design	
		Mr. Dhungana has more than eight years of experience in bridge engineering, working on various Plans, Specifications & Estimates and Design-Build projects. His experience involves bridge design, replacement, widening and retaining wall design. He is skilled at designing and analyzing concrete and steel bridges as well as various drainage structures. He is proficient in QA/QC and constructability reviews, maintaining that designs are accurate, practical and feasible for construction. With a strong design background, he understands complex projects and recognizes the importance of quality designs to meet project requirements. He has hands-on experience with Design-Bid-Build, Design-Build, and Construction Manager at Risk (CMAR) projects.		
Experience dates		Experience and qualifications relevant to the proposed contract		
08/22 – Ongoing		I-10 CMAR, Louisiana Department of Transportation and Development (LADOTD), East Baton Rouge Parish, LA. Bridge Engineer. Improved I-10 through widening and reconstruction of the mainline from three to four lanes in each direction, including bridge replacement and rehabilitation, interchange and ramp modification, shoulder widening, and auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. Calculated control elevations and performed QA/QC on designs, plans and estimated quantities per LADOTD standards and guidelines. Provided CAD guidance and support throughout the production of plans at various stages of submittal.		
08/22 – Ongoing		Calton Road, Railroad Grade Separation, Texas Department of Transportation (TxDOT), Webb County, TX. Bridge Engineer. Performed grade separation work at a Union Pacific Railroad (UPRR) crossing, which includes constructing a seven-span overpass bridge with steel plate girders, as well as barrier and end treatments. Performed steel plate girder camber analysis and developed a web cutting table. Reviewed bridge plans per TxDOT bridge design and detailing guidelines.		
02/23 – 01/25		Cross Bayou Bridge Replacement Stage Zero Feasibility Study, LADOTD, Caddo Parish, LA. Bridge Engineer. Identified practical alternatives to replace the US 71 Northbound (Spring Street) and US 71 Southbound (Market Street) bridges in District 04 over Cross Bayou. Designed three-span curved steel plate girder and eight-span prestressed concrete LG 45 girder bridge options for the Spring Street bridge replacement; and four-span prestressed concrete LG54 girder and three-span steel plate girder options for the Market Street bridge replacement, with various options for barrier and end treatments. Performed cost estimates and drafted bridge layouts and typical sections for all feasible bridge alternatives. Prepared a feasibility study report and provided recommendations.		
01/23 – 06/24		FM 740 / FM 548, Schematic and Environmental, TxDOT, Kaufman County, TX. Bridge Engineer. Developed design schematics to widen the existing two-lane urban section to a divided four-lane urban section from IH 20 to US 80. Drafted bridge layout, typical sections, and calculated quantities and cost per TxDOT standards. Reviewed final schematic per TxDOT guidelines.		

07/21 – 08/22	BNSF Underpass at 4th Street, Oklahoma Department of Transportation (ODOT), City of Moore, OK. Bridge Engineer. Designed a railroad bridge over SE 4th Street in the City of Moore, Oklahoma, and developed the track layout per American Railway Engineering and Maintenance-of-Way Association (AREMA) and BNSF guidelines. Designed the proposed two-span railroad bridge using prestressed concrete TY IV beams with applicable guardrail . Reviewed the final bridge, railroad track layout and drilled shaft retaining wall package to meet BNSF and AREMA standards.
03/21 – 08/21	Crossroads I35/I240, Oklahoma Department of Transportation, Oklahoma City, OK. Bridge Engineer. The project involves replacing two existing railroad bridges and developing a track layout to reconstruct the I-35/I-240 interchange in Oklahoma City in accordance with AREMA and BNSF guidelines, as well as guardrail to meet standards . Designed and prepared detailed plans for steel plate girders, railroad bridges with ballasted deck. Developed layouts and structural details for tieback drilled shaft walls. Reviewed final bridge plans per BNSF and AREMA standards.
02/21 – 11/21	Bitter Creek at FM707, TxDOT, Taylor County, TX. Bridge Engineer. Performed bridge replacement and reconstruction of approaches for the Abilene District. Replaced the existing bridge with three spans of Tx28 girders. Designed the proposed bridge using TxDOT standard bridge elements. The bridge also included a combination of concrete rail, guardrail, and end treatments . Prepared bridge plan, profile, and typical sections, calculated bearing elevations, quantities and construction cost estimates per TxDOT standards. Specified the location of soil borings for the design of the bridge foundation.
09/20 – 08/22	Southeast Connector, TxDOT, Tarrant County, TX. Bridge Engineer. Executed a Design-Build project in the Fort Worth District, which includes improvements/widenings to I-20 (from Forest Hill Drive to Park Springs Boulevard), I-820 (from I-20 to Brentwood Stair Road), and US 287 (from Bishop Street to Sublet Road). Designed superstructure and substructure bridge elements, along with barrier, for two bridges , the I-20 Overpass at Hartman and the I-20 Underpass at Anglin Drive. Prepared bridge layout and detail sheets.
03/23 – 05/23	Bridge Replacement at Shelby Ave, TxDOT, Hunt County, TX. Bridge Engineer. Replaced an off-system bridge, Shelby Ave at Farber Creek branch with a 40' prestressed slab (5SB12) beam span. Designed the proposed bridge using TxDOT standard bridge elements. Designed the slab beam span, developed a 3D model using Open Bridge Designer software, drafted bridge sheets, calculated slab beam step elevations using BGS software, and calculated quantities. Specified the location of soil boring for the design of the bridge foundation. Selected applicable TxDOT standards to be included in the bridge package. Reviewed final bridge plans per TxDOT guidelines.

TRAFFIC ENGINEERS

Firm employed by.  **ARCADIS**

Name	Ari Deitch, PE, PTOE, PTP, RSP1	Years of relevant experience with this employer	11
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS / 2012 / Biological Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.0041842 / LA / Exp. 03/2028; PTOE #4346 / USA / Exp. 11/2026 PTP #690 / USA / Exp. 07/2028; RSP #37 / USA / Exp. 12/2027		
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities	Traffic & Safety Analysis		



Mr. Deitch is a Senior Traffic Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on projects for LADOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to NEPA studies, interchange modification / justification reports, Stage 0 feasibility studies, transportation management plans, traffic, and safety studies pedestrian and bicycle improvements, access management, signal design, and signing and marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. Mr. Deitch has completed LADOTD Traffic Engineering Process and Report Training.

Experience dates	Experience and qualifications relevant to the proposed contract
07/14 – Ongoing	Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA. Traffic Engineer. Responsible for traffic analysis of proposed alternatives using Vissim software. Played a key role in the development of preliminary roadway design drawings incorporating Complete Streets. Work involved completing an Environmental Assessment and Line and Grade and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange. Developed an Interchange Modification Report including traffic study results and FHWA Policy Points.
04/22 – Ongoing	LA 30 (I-10 to EBR Parish Line) Environmental Assessment, LADOTD, Ascension Parish, LA. Senior Traffic Engineer. Responsible for technical advisory of traffic engineering tasks including traffic data collection, peak period observations, volume projections and Highway Capacity Analysis (multi-period analysis using Highway Capacity Software) and ensuring conformance with LADOTD TEPR Requirements.
03/17 – Ongoing	I-49 Supplemental Environmental Impact Statement, LADOTD, St. Mary Parish, LA. Senior Traffic Engineer. Responsible for traffic engineering tasks including data collection, volume development, Vissim microsimulation model calibration, and alternative development and analysis. The purpose of the project is to conduct a Supplemental Environmental Impact Statement (SEIS) study to quantify the impacts of converting US-90, which has numerous existing access connections, to a control of access interstate (future I-49) facility. Arcadis developed a unique volume development methodology to estimate the redistribution of traffic that would result from the conversion of US-90 to I-49.
07/14 – Ongoing	US 11 Environmental Assessment, LADOTD, St. Tammany Parish, LA. Traffic Engineer. Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, alternative development, and noise modeling for the proposed widening of US 11 between US 190 (Gause Blvd) and I-12 in Slidell, LA. The proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. This project includes analyzing several innovative alternatives for the proposed corridor, including "superstreets" and J-turn concepts.

02/22 – Ongoing	I-10 Calcasieu River Bridge P3 (Calcasieu Parish, LA). <i>Traffic Engineer</i> for the I-10 Calcasieu Bridge Replacement P3 project to replace the existing I-10 bridge over the Calcasieu River with a new bridge north of I-10. The project also includes the construction of several new bridge structures within the project limits, both inside and outside widening of I-10, improvements and modifications to existing interchanges, and improvements to other associated roadways within the project limits. Ari's role in the project involves traffic engineering, including the development of a Transportation Management Plan (TMP) and the design of permanent signage, signals, and pavement markings.
11/20 – Ongoing	I-10 CMAR, LADOTD East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Project includes improvements on Interstate 10 through widening and reconstruction of the mainline from 3 to 4 lanes in each direction, including bridge replacement and rehabilitation, interchange and ramp modification, shoulder widening, and auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. 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 I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.
01/19 – 05/20	US 90 Ramps at LA 88 Roundabouts, Iberia Parish, Louisiana. <i>Transportation Engineer.</i> Assisted with permanent signing and striping components of roadway safety design plans for proposed roundabouts.
02/23 – 05/24	District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA. <i>Project Manager.</i> Responsible for contract management and technical advisory for this Stage 0 Feasibility study to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development District, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in a Stage 0 Feasibility Report. Performed benefit-cost analysis to aid in prioritizing the implementation of countermeasures.
04/16 – 09/18	New Orleans Pedestrian Safety Improvements, LADOTD, Orleans Parish, LA. <i>Project Manager.</i> Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes and selecting safety countermeasures for 20 high-risk locations. Developed design drawings for proposed short-term and long-term improvement phases and conducted benefit-cost analysis to inform project prioritization. Conducted safety analysis using Highway Safety Manual predictive methods. Organized and led project stakeholder meetings to review alternatives, obtain feedback, and develop context sensitive solutions. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists for all 20 intersections.
04/16 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. <i>Traffic Engineer.</i> Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Developed conceptual drawings and construction cost estimates to evaluate the feasibility of proposed alternatives.
02/17 – 02/18	I-49 Interchange Safety Improvements, LADOTD, Lafayette Parish, LA. <i>Traffic Engineer.</i> Responsible for data collection and analysis, traffic analysis, and conceptual design drawings. The purpose was to identify feasible improvement alternatives to address safety issues along the I-49 corridor at 3 interchanges. Participated in meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.

Firm employed by.



Name	Kester Hollier, PE, PTOE		Years of relevant experience with this employer	4
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			BS / 2004 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date			PE.034304 / LA / Exp. 03/2027; PTOE #3928 / USA / Exp. 11/2027	
Year registered	2009	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Traffic Engineering	
 Mr. Hollier has 20 years of experience in the field of transportation engineering including traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. He has experience and proficiency in traffic engineering and safety analysis software including IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software.				
Experience dates Experience and qualifications relevant to the proposed contract				
09/12 – 02/16		Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA. Traffic Engineer. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.		
11/20 – Ongoing		I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.		
12/17 – 11/19		Causeway Boulevard Widening, Jefferson Parish, LA. Project Manager / Traffic Engineer. Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.		
11/17 – 07/20		LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA. Project Manager / Traffic Engineer. Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated		

	intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative . The traffic study was prepared to follow the Louisiana Department of Transportation and Development's Traffic Engineering Process and Report Guidelines. The project also included a stand alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
07/21 – 07/22	US 61: Cardinal Drive to Bert Street Safety Improvements, LADOTD, St. John the Baptist Parish, LA. Traffic Engineer. Assisted with the development of a Stage 0 Feasibility and Safety Study for the US 61 Corridor in LaPlace, LA. Responsible for traffic and safety analysis tasks for existing, no-build, and build conditions. Analysis was performed using HCS. Purpose of the study was the develop and evaluate feasible alternatives that would address operational and safety needs along the corridor .
06/13 – 04/14	US 190 Roundabout and Ped Improvements, LADOTD, St. Tammany, LA. Traffic Engineer. Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
05/14 – 08/20	Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA. Traffic/Civil Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.
10/18 – 01/19	LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA. Traffic Engineer. Responsible for the development of three future alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
05/09 – 07/13	LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA. Traffic/Civil Engineer. Responsible for the roadway design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed traffic analysis for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.
10/10 – 7/15	Barriere Road Feasibility Study/Traffic Study, US Department of Defense, Plaquemines Parish, LA. Civil/Traffic Engineer. Responsible for the geometric layout and design of the realignment alternatives of Barriere Rd. between LA 23 to the US Naval Air Station. Developed and reviewed traffic analysis for arrival and departure patterns for the South US Naval Air Station entrance gates.

Firm employed by.



Name	Meredith Guidry Zamjahn, PE, RSP	Years of relevant experience with this employer	4
Title	Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS / 2020 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.0050062 / LA / Exp. 09/30/2026; RSP #861 / USA / Exp. 7/2028		
Year registered	2021	Discipline	Transportation Engineering
Contract role(s) / brief description of responsibilities	Traffic & Safety Analysis		



Ms. Zamjahn has gained experience preparing grant applications for several federal programs, conducting benefit-cost analyses, evaluating fleet total costs of ownership, and assessing needs and solutions for transit agencies and private companies transitioning to electric fleets. Her experience includes knowledge on equity and disadvantaged communities, electric vehicle (EV) funding opportunities and incentives, charging infrastructure for EVs, and greenhouse gas emissions produced by vehicles. Additionally, Ms. Zamjahn has worked on a variety of projects including crash safety analyses, volume analyses, Intersection Modification Reports, and building intersection and traffic signal models. Ms. Zamjahn is also familiar with the signing and marking regulations in the MUTCD. Her software skills include ArcGIS, MATLAB, and MicroStation. Ms. Zamjahn has completed LADOTD Traffic Engineering Process and Report Training.

Experience dates	Experience and qualifications relevant to the proposed contract
02/21 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Traffic Engineer. Assisted with several traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Created traffic models using Synchro and Sidra to predict traffic conditions for the build scenario and during construction. Assisted in the development of historical and predictive crash and safety analysis for the corridor . Responsible for addressing FHWA's 8 policy points and the associated policy point checklist for the Access Justification Report.
07/22 – Ongoing	LA 30 Environmental Assessment, LADOTD Ascension and East Baton Rouge Parishes, LA. Traffic Engineer. Responsible for recording queue lengths, unmet demand, and field observations during field visits at several intersections. Responsible for writing several appendices following LADOTD's Traffic Engineering Process and Report requirements and expectations . Also responsible for conducting peak period determination.
04/21 – Ongoing	MOVEBR Terrace Ave, City of Baton Rouge, East Baton Rouge Parish, LA. Traffic Engineer. Responsible for conducting signal warrant analyses, creating an inventory of crash data and for correcting data from Crash1 based on crash reports.
03/21 – 5/21	MOVEBR Bluebonnet Blvd (Perkins Rd- Picardy Ave), City of Baton Rouge, East Baton Rouge Parish, LA. Traffic Engineer. Responsible for collecting traffic counts and cross-checking queue length data with Synchro results.
04/21 – 11/21	MOVEBR Lee Dr (Highland Rd-Perkins Road), City of Baton Rouge, East Baton Rouge Parish, LA. Traffic Engineer. Responsible for collecting crash data and presenting that information in Collision Diagrams . Responsible for marking locations with high potential for improvement based on crash data. Responsible for performing field observations to document existing traffic conditions .

SAFETY ANALYSIS PROFESSIONALS

Firm employed by: 

Name	Max Aguirre, PhD, PE, PTOE, RSP2I	Years of relevant experience with this employer	6
Title	Transportation Engineer	Years of relevant experience with other employer(s)	1

Degree(s) / Years / Specialization	PhD / 2018 / Engineering Science, LSU MS / 2015 / Construction Management, LSU BS / 2013 / Civil Engineering, LSU
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Active registration number / state / expiration date	PE. 47579 / LA / 09/30/ 2027; PTOE #5291 / USA / Exp. 7/2028; RSP2I #182 / USA / Exp. 7/2027
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Year registered	2023	Discipline	Civil Engineer
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Contract role(s) / brief description of responsibilities	Safety Analysis
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	Dr. Aguirre is a Professional Engineer specializing in traffic engineering studies and design . Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to traffic and safety studies, Stage 0 feasibility studies, pedestrian and bicycle improvements, permanent signing design, signal design , and NEPA studies. He is also familiar with the Highway Capacity Manual, Highway Safety Manual, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including Interactive Highway Safety Design Model, SYNCHRO, Highway Safety Software (HSS), GuidSIGN, HCS and MicroStation software.
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Experience dates	Experience and qualifications relevant to the proposed contract
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02/23 – Ongoing	Cross Bayou Bridge Replacement, LADOTD, Caddo Parish, LA. Safety & Traffic Engineer. Conducted feasibility study to develop and evaluate alternatives for the replacement of two existing bridges over Cross Bayou. Developed Stage 0 Documentation including Preliminary Scope and Budget and Environmental Checklists. The next phase of the project will be conducted under the same contract and will include the development of construction plans.
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11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Safety & Traffic Engineer. Assisting in traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of existing condition safety analysis including tasks such as crash data analysis, collision diagrams, and crash report documentation.
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09/19 – Ongoing	I-49 (Ricohoc to Berwick) Supplemental Environmental Impact Assessment, LADOTD, St. Mary Parish, LA. Safety & Traffic Engineer. Assist in project tasks involving planning and evaluation of different interchange alternatives and their geometric design , socio-economic impacts, mobility impacts, and environmental impacts.
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12/19 – Ongoing	MoveBR Bluebonnet Blvd (Perkins Road to Picardy Avenue), City of Baton Rouge, East Baton Rouge Parish, LA. Safety & Traffic Engineer. The purpose of the project is to widen Bluebonnet Blvd from 4 lanes to 6 lanes between Perkins Road and Picardy Avenue. Responsible for assisting with the development of a traffic design study to develop proposed improvements and project design to maximize operational and safety benefits. Responsible for assisting with the development of signal design and timing plans at 7 intersections within the project limits.
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01/21 – Ongoing	MoveBR Lee Drive (Highland Road to Perkins Road), City of Baton Rouge, East Baton Rouge Parish, LA. Safety & Traffic Engineer. The purpose of the project is to provide capacity improvements and ped/bike accommodations along Lee Drive. Responsible for assisting with developing a traffic design study to evaluate and identify the preferred alternative , and developing signal design at the intersections of Highland Road, Boone Drive, and Hyacinth Avenue.
10/19 – 07/21	I-10 New Orleans to Slidell Hard Shoulder Running Feasibility Study, LADOTD, Orleans Parish, LA. Safety & Traffic Engineer. Purpose of the project was to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor. Developed conceptual drawings and typical sections, crash analysis, and predictive safety analysis for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Developed benefit-cost analysis for Preliminary Scope and Budget and Environmental Checklists.
02/23 – 05/24	District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA. Safety & Traffic Engineer. Responsible for conducting all traffic and safety tasks needed for this Stage 0 Feasibility study to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development District, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in a Stage 0 Feasibility Reports were completed for all 7 study corridors with Preliminary Scope and Budget Checklist and Environmental Checklist. Performed benefit-cost analysis to aid in prioritizing the implementation of countermeasures.
10/18 – 03/21	LA 3040 Corridor Improvements, LADOTD, Houma, LA. Safety & Traffic Engineer. 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 safety and operational needs . Responsible for performing traffic analysis using Highway Capacity Software in accordance with LADOTD TEPR Requirement.
09/19 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA. Safety & Traffic Engineer. Assisted with the assessment of existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes. Assisted in the development of Road Safety Assessments (RSAs) at 10 priority locations to identify and evaluate safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists. Evaluated alternatives to determine and document the feasibility of proposed countermeasures . Developed benefit-cost analysis to prioritize implementation of proposed improvements.
08/19 – 02/20	US 61 Access Management and Corridor Improvements (Airline Hwy), LADOTD, East Baton Rouge Parish, LA. Safety & Traffic Engineer. Project purpose was to evaluate the effectiveness of proposed access management improvements along US 61 and identify feasible alternatives to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use . Assisted in conducting traffic analysis and the development of benefit-cost analysis to compare the effectiveness of the proposed alternatives.

Name	Jonathan Wallace, PE, RSP		Years of relevant experience with this employer	17
Title	Transportation Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering Technology, Southern Polytechnic State University	
Active registration number / state / expiration date			PE #041969/ GA / exp 12/31/26; PE.0402053710 / VA / Exp. 05/2027; Registered Safety Professional (RSP) Exp. 12/21/2027	
Year registered	2015	Discipline	Civil Engineering Technology	
Contract role(s) / brief description of responsibilities			Safety Analysis	
		Mr. Wallace is a Traffic/ Intelligent Transportation Systems (ITS) Engineer with approximately 18 years of experience in traffic and ITS engineering with a strong background in ITS design, traffic signal design, signing/markings design, traffic modeling/simulation, and traffic studies. He has worked on and led projects throughout Georgia, the southeast, and internationally. His experience includes regional knowledge of standards and preferences for a variety of cities and counties.		
Experience dates		Experience and qualifications relevant to the proposed contract		
08/22 – 06/23		I-75 Guardrail Improvements (4 Locations; 28 miles), GDOT, Henry, Houston and Monroe Counties, GA. Senior Traffic Engineer. Responsible for identifying, prioritizing, and delivering this project to improve high risk guardrail locations due to safety concerns. This project upgraded existing guardrails at 4 locations along I-75. This project upgraded guardrail and end treatments for a total of 28 miles to standard heights and MASH compliance. Work included field review and plan development per new Georgia standards, utility coordination, quantity take-off, and contractor coordination during bid phase.		
08/23 – 06/2024		SR 1 and SR 20 Guardrail Improvements (1.5 miles), GDOT, Floyd County, GA. Senior Traffic Engineer. Responsible for identifying, prioritizing, and delivering this project to improve high risk guardrail locations due to safety concerns and substandard guardrail heights and end treatments. This project upgraded existing guardrails along SR 1 and SR 20 at 3 interchanges. Project upgraded guardrail and end treatments for a total of 1.5 miles to standard heights and MASH compliance. Work included field review and plan development per new Georgia standards, utility coordination, quantity take-off, and contractor coordination during bid phase.		
08/22 – 06/23		Statewide Signal Upgrade, GDOT, Brooks and Colquitt Counties, GA. Traffic Engineer. Responsible for creating updated signal plans for nine intersections. The project included field review to develop equipment inventory plans, signal plans development per new Georgia standards, Right-Of-Way plans coordination, wireless interconnect plans development, and quantity take-off and quantity summary sheets creation.		
01/10 – 06/11		Regional Traffic Operations Program, GDOT, Metro Atlanta, GA. Traffic Engineer. Handling the intersection permitting for this regional program shifted the responsibility of the operation and maintenance of 428 traffic signals along 12 regionally significant corridors to a team of consultants, contractors, and system suppliers led by Arcadis. Responsibilities include drafting all necessary intersections, modifying plans to bring signal heads into GDOT compliance, and seeing permits		

	through approval so work orders can be sent to the contractors. In addition, selected intersections are being upgraded to Flashing Yellow Arrow signal heads which require coordination between GDOT and corridor managers, as well as assisting in establishing state guidelines for new left turn treatments.
06/07 – 10/14	Pleasant Hill Road Phase II Improvements, Gwinnett DOT, Gwinnett County, GA. Traffic Engineer. Roadway improvements along Pleasant Hill Road increased capacity to alleviate congestion and allow for future vehicle volume. Responsibilities included signing/markings, signal design, and ATMS design within the project limits.
01/11 – 12/12	I-75 Northbound Off Ramp at SR3/Old Dixie Road Operational Improvements, GDOT, Clayton County, GA. Traffic Engineer. A project under the operational improvements contract, requiring additional capacity to the off ramp of I-75. Responsibilities included signing/markings, signal design, and project coordination between Arcadis and the prime consultant.
01/12 – 06/14	Floyd Road Improvements, Cobb County DOT, Cobb County, GA. Traffic Engineer. Roadway improvements along Pleasant Hill Road to increase capacity to alleviate congestion and allow for future vehicle volume. Responsibilities included signing/markings, signal design, and ATMS design within the project limits.
08/14 – 06/15	Concord Road Improvements, City of Smyrna, Cobb County, GA. Traffic Engineer. Roadway improvements along Concord Road to increase capacity to alleviate congestion and allow for future vehicle volume. Responsibilities included signing/markings, signal design, and ATMS design within the project limits.
06/15 – 12/16	New Orbital Highway and Truck Route, Qatar Public Works Authority, Doha, Qatar. Project ITS Engineer. A design-build project. Contract 2 of the New Orbital Highway includes a 38-kilometer roadway network with seven interchanges and one tunnel. The project also includes truck only facilities to separate passenger and commercial truck traffic. ITS requirements include a communication network with Lane Control Signs, Dynamic Message Signs, magnetometers, License Plate Recognition cameras, and Closed-Circuit Television (CCTV) cameras. Responsibilities include ITS device layout design, coordination with other disciplines, design report and documentation, and overall ASHGHAL design guideline and specification adherence.
06/09 – 07/11	Project ITS/Traffic Incident Management Phase 2 Design-Build, Louisiana Department of Transportation and Development, Baton Rouge to Lafayette, LA. Traffic/Field Engineer. Assisted in the design of the communication network which provided 26 CCTV cameras, 13 radar vehicle detectors, four dynamic message signs, and two highway advisory radios covering 122 roadway miles between Baton Rouge and Lafayette. Responsibilities also included installing and integrating radios and antennas at cell tower and strain pole locations.
06/09 – 07/11	Old National Highway ITS, Fulton County, GA. Project ITS Engineer. Project involved an ITS design requiring CCTV cameras at 12 intersections from Jonesboro Road to Sullivan Road along SR 279/Old National Highway. These cameras along with the signalized intersections were connected using wireless radios, and were tied into an existing GDOT trunk line with fiber. Responsibilities included ITS design, wireless specification creation, utility coordination, and letting document review.
08/09 – 07/10	Third Army Road Interchange, Cobb County DOT, Cobb County, GA. Traffic Engineer. A feasibility study of the proposed Third Army Interchange along I-75. The project involves assessing travel pattern impacts within the project area using travel demand modeling and carrying out corridor operational analysis along interstate and arterial corridors using micro-simulation models such as Corsim, Synchro, and VISSIM. The project also involves analyzing and recommending alternative conventional and non-conventional design recommendations such as continuous flow intersections, at grade capacity improvement solutions, and grade separated capacity improvement solutions.

Firm employed by.



Name	Justin Maderia, PE, PTOE, PTP		Years of relevant experience with this employer	18
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date			PE.0038492 / LA / Exp. 03/31/2028; PTOE #3455 / USA / Exp. 07/01/2027; PTP #604 / Exp. 07/01/2028	
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Safety Analysis	
		Mr. Maderia's experience in transportation engineering includes a range of services, such as project engineer responsible for safety studies , feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications.		
Experience dates		Experience and qualifications relevant to the proposed contract		
04/18 – 03/21		Local Road Systemic Safety Analysis, ODOT, Statewide, OH. Lead Engineer. As a key contributor to Ohio's SHSP, Arcadis worked as an extension of ODOT's Office of Program Management to perform data-driven systemic safety analyses across four task orders. These included pedestrian crash screening, citywide crash screening, bicycle route safety analysis, and expanded regional pedestrian analysis, focusing on identifying risk factors, prioritizing safety improvements, and developing interactive tools like ArcGIS Online applications . Each task order involved collecting and evaluating crash data, developing crash trees and risk scores, and identifying high-risk facilities and network segments to recommend countermeasures and support safety funding applications. This collaborative effort emphasized raising awareness of Ohio's SHSP emphasis areas and improving safety outcomes statewide.		
04/21 – 06/22		Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA. Senior Safety Analyst. Responsible for QAQC of crash data analysis tasks for the SHSP update , including statistical analysis of existing emphasis areas and evaluating modifications to emphasis areas.		
09/17 – Ongoing		Safety Study Task Order Contracts, ODOT, Statewide, Ohio. Lead Engineer. Responsible for completing site specific safety studies on a task order basis. Each safety study includes a site visit, existing conditions inventory , preparing existing conditions plans, collecting traffic counts, forecasting traffic volumes, reviewing 3 year crash history, completing ODOT's CAM Tool , capacity analysis, CMF Clearinghouse to test counter-measures , schematic diagrams, cost estimating, completing ODOT's ECAT, writing a safety study technical report , applying for safety funding from ODOT, and presenting the project to ODOT's Office of Program Management for the chance to be awarded safety funding.		

02/17 – 02/18	Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA. Traffic Engineer. Responsible for data collection and analysis, traffic and safety analysis , and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
03/16 – 07/18	Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. Traffic Engineer. Evaluated safety based on crash analysis, the HSM predictive methods and the ISATe tool for Freeways. Estimated costs and safety benefits to evaluate the feasibility of proposed alternatives. Analyzed speed data and volume data and developed figures for various hard shoulder running locations.
08/14 – 06/15	Safety Studies IDIQ - LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA. Traffic Engineer. Responsible for review of existing crash data and traffic operations analysis, development of safety countermeasures , conceptual drawings, and Stage 0 documentation. Purpose of the project was to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the corridor. Safety performance of alternatives were estimated using Highways Safety Manual predictive methods .
01/14 – 02/17	US 71 Corridor Phase I Traffic and Safety Feasibility Study, LADOTD, Rapides Parish, Louisiana. Traffic Engineer. Responsible for independent review of traffic and safety analysis , VISSIM animations, and final Stage 0 documentation. Purpose of the project was to identify operational and safety needs and determine the safety effectiveness of alternative concepts that incorporated innovative intersections, roundabouts, frontage road improvements, and signal timing improvements.
02/15 – 08/17	US 71 Corridor Phase II Traffic and Safety Feasibility Study, LADOTD; Rapides Parish, LA. Traffic Engineer. Responsible for providing traffic data collection, warrant studies, traffic analysis, safety data analysis , and development of conceptual layouts. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.
02/15 – 08/17	Evangeline Thruway, Johnston St, & Louisiana Ave. Traffic and Safety Feasibility Study, LADOTD, Lafayette Parish, Louisiana. Traffic Engineer. Responsible for the operational and safety analysis of project alternatives including existing, no-build, and build conditions. A calibrated VISSIM model was developed and used to analyze the various scenarios. Build alternatives included CFI, RCUT, and MUT concepts. The primary objective of the study is to identify reasonable alternatives that address the purpose and need and conduct a benefit/cost analysis to the operational and safety effectiveness of alternatives .
11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Traffic Engineer. Responsible for traffic engineering tasks related to the development of transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.

Firm employed by.



Name	Jody Peace, PE, PTOE, RSP		Years of relevant experience with this employer	18
Title	Senior Safety Engineer		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			MS / 2008 / Civil Engineering, Georgia Institute of Technology BS / 2007 / Civil Engineering, Georgia Institute of Technology BS / 2007 / Berry College	
Active registration number / state / expiration date			PE.036665 / GA / Exp. 12/31/2026; PTOE #4029/ Exp. 3/2028; RSP #224 / Exp. 12/2027	
Year registered	2011	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Safety Analysis	
			Jody Peace, PE, PTOE, RSP1 is a senior traffic engineer and project manager with more than 20 years of experience helping agencies improve transportation safety and system performance through data driven analysis and practical implementation strategies. He brings a coach’s mindset to safety by helping teams, clients, and stakeholders understand what the data is really saying and how to turn it into practical next steps. He also approaches each assignment with an owner’s accountability for schedule, budget, quality, and the client’s broader objectives. His experience spans safety screening, crash analysis, operational assessments, benefit cost evaluations, and the identification of proven countermeasures for urban arterials, freeway corridors, intersections, and multimodal transportation networks. He combines traditional engineering practices with emerging data sources and analytics tools to identify root causes of safety challenges and develop actionable solutions that improve outcomes for all roadway users. Throughout his career, Jody has supported safety initiatives ranging from statewide operational and safety improvement programs to corridor studies, interchange evaluations, and local agency safety assessments. As project manager for the Georgia Department of Transportation's Operational Improvements Program, he has helped identify, prioritize, and advance transportation safety and operational projects across the state while building repeatable processes that help agencies make better investment decisions without turning every effort into a science project. His work routinely requires balancing safety, mobility, cost, and stakeholder priorities to deliver improvements that are both effective and implementable. He is particularly skilled at translating complex technical findings into clear recommendations that support agency decision making and help build consensus among technical staff, leadership, and community stakeholders.	
Experience dates			Experience and qualifications relevant to the proposed contract	
07/15 – Ongoing			On-Call Statewide Operational Improvement Program, GDOT, Statewide/West Region, GA. Project Manager. Responsible for direct delivery and oversight of more than 40 task orders to complete a wide range of tasks, including bottleneck identification using traditional and probe data analytic techniques, needs identification and improvement development, plan development, and project delivery. Coordinated with both in-house and subconsultant traffic modelers, roadway designers, multiple GDOT TMC programs, various GDOT offices, District Traffic Engineers, and environmental planners to develop concepts and design solutions that provided the most operational benefit, while still being able to be delivered through the program.	
11/18 – Ongoing			On-Call Traffic Safety Design Services, GDOT, Districts 3 and 6, GA. Operations/Safety Program Liaison. An on-call contract to improve safety conditions in two districts. Responsible for coordination between the Safety and Operational	

	Improvement Programs for Districts 3 and 6. Assisted teams in setting up initial project tracking sheets and provided valuable input on procurement procedures using menus of services to help the Safety Program quickly get up to speed with Consultant Work Authorizations. Worked with the Arcadis Operational Improvement Team, the Arcadis Safety Team, other Safety Consultant Teams, and GDOT to develop and implement GOASIS, providing GDOT, consultants, and key stakeholders access to real-time information on location requests and projects.
8/12 – Ongoing	Cobb County SPLOST Program Management, Cobb County, Marietta, GA. Traffic Engineering Lead. The completion of multiple task orders during a span of 15 years to support the development and implementation of SPLOST funded projects across the County. Task orders included intersection studies, corridor scoping studies, development of the traffic management plan for Truist Park, and management of TMC staffing contract. Coordinated directly with Cobb County staff and senior management to gain a deeper understanding of County goals and objectives to achieve better outcomes on behalf of the County.
10/19 – 2/21	SR 6 Corridor Study, Paulding County, Dallas, GA. Traffic Engineering Lead. The completion of a study of safety, operational and capacity improvements along SR 6 in Paulding County, GA. As the lead traffic engineer, Jody oversaw the volume development, traffic analysis, and safety analysis for the study which evaluated existing and future needs due to current and future development along the corridor. The analysis included traffic operational modelling using Synchro and an analysis of existing crash patterns. In addition to a stakeholder engagement process, the team led a safety walkthrough on the corridor which included members of the various local agencies, law enforcement, GDOT, and various engineering disciplines to discuss safety and operational needs along the corridor.

INNOVATIVE TECHNOLOGY AND GIS PROFESSIONALS

Firm employed by.



Name	David Ward, GISP	Years of relevant experience with this employer	23
Title	Senior GIS Project Manager / Analyst	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	BS / 1999 / Environmental Studies, Eckerd College		
Active registration number / state / expiration date	Geographic Information Systems Professional (GISP) #51378 / United States / 04/2027		
Year registered	2005	Discipline	Geographic Information Systems (GIS)
Contract role(s) / brief description of responsibilities	Innovative Technology / GIS		



Mr. Ward is a Senior Project Manager with 27 years of experience specializing in Geographic Information Systems (GIS), database development and administration, and ArcSDE administration with experience in GIS development, implementation, and integration; database modeling and development; asset and work order management systems integration and development; environmental policy support; transportation system modeling and analysis including analysis of safety data; utilities infrastructure modeling; information management; and enterprise information systems design and development. Mr. Ward's technical experience is in the areas of ArcGIS, ArcGIS Server, ArcSDE, SQL Server, and Oracle.

Experience dates	Experience and qualifications relevant to the proposed contract
02/20 – Ongoing	Highway Performance Monitoring System (HPMS) & Certified Public Miles (CPM) Reporting using Esri Roads and Highways, LADOTD, Baton Rouge, LA. Program Manager. Provided critical data translation and quality assurance/quality control support for the April and June HPMS reports submitted to the Federal Highway Administration (FHWA). Responsible for translating linear referenced event data from one route network to another, validating and cross-checking event data against FHWA HPMS guidelines , and formatting the submittal files appropriately.
02/20 – 06/24	Enterprise Systems Integration w/ Esri Roads and Highways, LADOTD, Baton Rouge, LA. Program Manager. Provided Agile project management techniques, data analysis , and systems design consulting in support of LADOTD's mission to integrate enterprise business systems with their Roads and Highways Implementation . MS2, Deighton dTIMS, Agile Assets, and the State's crash data systems were integrated with Roads and Highways to facilitate data sharing, data management, and federal reporting (HPMS & CPM).
04/14 – 08/18	Esri Roads and Highways Linear Referencing System (LRS) Implementation, LADOTD, Baton Rouge, LA. Program Manager. Responsible for the assessment, design, build, and implementation of roads and highways LRS for LADOTD. Performed an initial needs assessment, including the understanding of existing conditions and desires for future functionality, and subsequently developed a plan for implementation. Directed the team's daily efforts using an Agile Project Management system, driven by user stories and acceptance criteria to track task work and perform regular quality control. Developed a customized data model to fit LADOTD'S needs, as well as the implementation of a statewide route network and data migration of events. Led the systems implementation steps using the various tools of Roads and Highways, including ArcGIS Desktop, Workflow Manager, Data Reviewer, and Roadway Characteristics Editor (RCE) web applications.
02/20 – Ongoing	Staff Augmentation for Section 21/Mapping, LADOTD, Baton Rouge, LA. Program Manager. Manages 25+ remote and embedded team members to operate as an extension of existing LADOTD staff in performing day-to-day activities for the Department. Supports staff in designing, developing, and implementing business system integrations between GIS and the core linear referencing system and internal business units as well as external vendors. Provides support for annual Highway Performance Monitoring Systems (HPMS) and Certified Public Mileage (CPM) report submittal to the Federal Highways

	Administration (FHWA). Direct team members in developing tools, applications, and web visualizations using SAFE Feature Manipulation Engine (FME) workbenches, Esri Experience Builder and Portal, Python scripting, and other ETL methodologies. Supports the monthly invoice and status report submittals and assists team members in executing agile-based story assignments.
01/11 – 12/11	Arizona Safety Action Plan (ASAP), Arizona Department of Transportation (ADOT), Phoenix, AZ. Senior Systems Analyst. Responsible for the development and analysis of statewide crash information to support the development of a Safety Action Plan for ADOT to minimize the impact of fatalities and serious injuries throughout the state. Conducted detailed historical analysis of crash information to establish trends within the emphasis areas of the SHSP. Performed business process reviews and analysis for ADOT to re-engineer workflows and methodologies to better support the State's mission.
04/17 – 6/22	Enterprise GIS Implementation using Esri Roads and Highways, Nevada Department of Transportation (NDOT), Carson City, NV. Program Manager. Responsible for the assessment, design, and implementation of Roads and Highways linear referencing systems for Nevada Department of Transportation (NDOT). Led efforts for initial discovery and needs assessment that capture current conditions and desires for future functionality and developing a plan for enterprise implementation. Utilized a customized Agile Project Management system to direct team's efforts via user story generation to track task work.
10/18 – 09/20	Enterprise Implementation of Esri Roads and Highways and Road Log Development, Montana Department of Transportation (MDT), Helena, MT. Program Manager. Leveraging the Agile method to led the team through the implementation of an enterprise linear referencing system using Esri Roads and Highways. Developed the database schema and model in Oracle & ArcSDE to support the LRS and directed the efforts for data migration and business process workflow development . Responsible for the overall program including the development of a Statewide Road Log (Straight-Line Diagram Reporting).
09/16 – 01/20	AASHTOware SafetyAnalyst Implementation and Integration, Arizona Department of Transportation (ADOT), Phoenix, AZ. Project Manager. Responsible for integrating SafetyAnalyst with ADOT's Enterprise GIS to leverage temporality and changes over time to the road segments and other data values. SafetyAnalyst is also integrating the Safety Data Mart (SDM) and other enterprise databases for the required data values for SA analysis modules. Used an Agile approach to develop and integrate systems to support statewide crash and safety analysis .
01/17 – 12/17	Deighton dTIMS Pavement and Bridge Management Integration with Esri Roads and Highways, Indiana Department of Transportation (InDOT), Indianapolis, IN. Project Manager. Responsible for a feasibility study and implementation plan to integrate the Deighton dTIMS pavement and bridge management programs with InDOT's existing Roads and Highways LRS. Provided background and training to Deighton personnel to understand the touchpoints between Roads and Highways and dTIMS through ArcGIS Server REST API endpoints and the enterprise database. Performed systems development and architecture design to support the development of the next generation of dTIMS software.
01/16 – 09/16	HPMS & CPM Reporting using Esri Roads and Highways LRS, Arizona Department of Transportation (ADOT), Phoenix, AZ. Project Manager. Responsible for the Highway Performance Monitoring System (HPMS) and Certified Public Miles (CPM) federal reporting requirements for ADOT FY2015 & FY2016. Oversaw the development and evaluation of sample panel sufficiency, as well as the workflow established to help team members efficiently extract roadway characteristic information from construction plans. Kept the team on track with federal deadlines and validated the use of external business system datasets, such as traffic and pavement management, were fully integrated with Roads & Highways.

Firm employed by:



Name	Adrien Litton	Years of relevant experience with this employer	10
Title	Principal Digital Consultant	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization	MS / 2005 / Information Technology, University of Redlands BS / 2001 / Business Information Systems, University of Phoenix		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Innovative Technology / GIS		
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Litton is a Senior Technical Consultant and Subject Matter Expert (SME) with more than 30 years of experience supporting enterprise Geographic Information Systems (GIS) programs, with emphasis on Linear Referencing System (LRS) design, implementation, and integration. He served as lead product designer for ESRI Roads and Highways solution and supported implementation efforts for LADOTD and other state DOTs. He provides expertise in enterprise data integration, database design, Extract, Transform, and Load (ETL) workflows, and geospatial system architecture. He supports Federal Highway Administration (FHWA) reporting programs, including Highway Performance Monitoring System (HPMS) and Certified Public Mileage (CPM), and guides development of automated analytics and reporting workflows. Adrien provides strategic and technical leadership across multidisciplinary teams to ensure consistent system performance, data quality, and operational efficiency.		
	09/24 – Ongoing	Guardrail Asset Management Web Mapping Application, LADOTD, Baton Rouge, LA. Subject Matter Expert. Provides technical oversight for development of web and field applications supporting guardrail data collection and management . Directs development of post-processing workflows to transform field data and align with enterprise data schemas, improving accuracy and consistency. Supports design and implementation of ArcGIS Experience Builder applications to visualize and analyze processed data, enhancing workflows for data collection, transformation, and safety analysis.	
	04/20 – Ongoing	Highway Performance Monitoring System (HPMS) Facilitator, LADOTD, Baton Rouge, LA. Subject Matter Expert. Supports development and coordination of workflows for annual Highway Performance Monitoring System (HPMS) reporting. Integrates data from multiple sources and develops spatial overlays and geoprocessing models to generate reporting outputs. Supports analysis of roadway extent and traffic data in responding to Federal Highway Administration (FHWA) for data validation and reporting compliance .	
	04/20 – Ongoing	Certified Public Mileage (CPM), LADOTD, Baton Rouge, LA. Subject Matter Expert. Supports development of overlay processes to calculate Certified Public Mileage (CPM) in accordance with Federal Highway Administration (FHWA) requirements for Highway Performance Monitoring System (HPMS) reporting. Reviews and applies federal guidelines and develops Linear Referencing System (LRS) geospatial workflows to identify and correct gaps in roadway coverage using attribute integration methods.	
	07/24 – Ongoing	Rail Inventory Management System (RIMS) FME Workflow, LADOTD, Baton Rouge, LA. Subject Matter Expert. Oversees development of Extract, Transform, Load (ETL) workflows using Feature Manipulation Engine (FME) to extract rail	

	crossing data via application programming interface (API) and integrate into enterprise datasets. Directs development of automated processes to organize, validate, and store data for advanced analytics and reporting supporting railroad asset management.
11/23 – Ongoing	Application Prioritization, LADOTD, Baton Rouge, LA. Program Specialist. Supports prioritization of application development, system upgrades, and maintenance activities for System of Engagement (SOE) applications supporting Emergency Operations Center (EOC) and roadway operations. Provides technical guidance and assists in identifying and coordinating staff resources for testing, documentation, and system improvements.
09/23 – Ongoing	Legacy Application Modernization, LADOTD, Baton Rouge, LA. Subject Matter Expert. Provides technical leadership for modernization of legacy applications supporting transportation operations and emergency management systems. Supports evaluation, documentation, and redesign of applications to align with modern Linear Referencing System (LRS) architecture and enterprise standards.
12/24 – 12/25	ArcGIS Pro Migration, LADOTD, Baton Rouge, LA. Subject Matter Expert. Developed migration strategy for transitioning Geographic Information Systems (GIS) and Linear Referencing System (LRS) data from ArcGIS Desktop to ArcGIS Pro. Provided guidance on testing new functionality, updating workflows, and adapting database schemas to support advanced capabilities, including versioning and workflow enhancements.
07/19 – 06/22	Deighton dTIMS Integration, LADOTD, Baton Rouge, LA. Program Specialist. Supported integration between Deighton dTIMS pavement management system and Roads and Highways platform. Developed pavement event schema and geospatial workflows to overlay historical pavement data onto current Linear Referencing System (LRS). Performed quality control checks on located data and coordinated with stakeholders to resolve data gaps and establish consistent data collection processes.
07/22 – Ongoing	Highway Class Development, LADOTD, Baton Rouge, LA. Subject Matter Expert. Supports development of Highway Classification datasets used for crash analysis and reporting in the eCrash system. Develops schema design and automates workflows to improve data generation and consistency. Coordinates with safety and research stakeholders to refine data models and support distribution to external reporting systems.
07/22 – Ongoing	Highway Needs Report, LADOTD, Baton Rouge, LA. Program Specialist. Leads modernization of reporting workflows by replacing legacy Visual Basic scripts with Python-based automation. Supports development of geoprocessing models to integrate multiple datasets, including overlay of more than 40 Geographic Information Systems (GIS) layers. Improves accuracy and efficiency of annual reporting aligned with current Highway Design Manual standards.
07/23 – Ongoing	MS2 Traffic System Support, LADOTD, Baton Rouge, LA. Subject Matter Expert. Supports development of traffic segment datasets using Geographic Information Systems (GIS) data for on-system and off-system roadways. Develops workflows to aggregate data to meet Federal Highway Administration (FHWA) requirements for Highway Performance Monitoring System (HPMS) reporting. Supports integration of traffic segments with station data to assign unique location identifiers and ensure continuous network coverage. Develops processes for validation, segment refinement, and annualized traffic data generation to support accurate and consistent reporting.

Firm employed by:



Name	Jennifer Berthiaume, GISP	Years of relevant experience with this employer	17
Title	Senior GIS Analyst	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BS / 2003 / Geography, University of Nebraska – Kearney		
Active registration number / state / expiration date	Geographic Information Systems Professional (GISP) #67339 / USA / Exp. 05/2027		
Year registered	2013	Discipline	Geographic Information Systems (GIS)
Contract role(s) / brief description of responsibilities	Innovative Technology / GIS		



Ms. Berthiaume is a Project Manager with over 20 years of experience delivering Geographic Information Systems (GIS) solutions for state Departments of Transportation (DOTs). She leads multidisciplinary teams supporting Linear Referencing System (LRS) implementations, data integrations, and enterprise system modernization. She has expertise in geodatabase design, data conflation, asset management systems, and quality assurance and quality control (QA/QC) processes. Jennifer supports enterprise workflows across SQL Server and Oracle environments and develops web-based applications using ArcGIS Enterprise platforms. She applies agile project management practices to coordinate delivery, track performance, and manage team workload. She supports her clients with safety analysis, data governance, and federal reporting requirements, including Highway Performance Monitoring System (HPMS) and Certified Public Mileage (CPM).

Experience dates	Experience and qualifications relevant to the proposed contract
08/25 – Ongoing	Highway Safety Improvement Program (HSIP) Task Order 3: Crash Data Enhancements, Nevada Department of Transportation (NDOT), Carson City, NV. Project Manager. Leads efforts supporting Traffic Safety Engineering (TSE) data analysis team to restore functionality of third-party Crash Locator web application . Directs identification and resolution of system issues and supports validation of crash geocoding workflows using alias and alternate street names. Develops automation pipelines to improve crash location validation and supports management of crash data lifecycle for safety analysis as well as state and federal reporting requirements . Supports management and maintenance of authoritative crash data within the enterprise database. Provides support to TSE to make five-year crash data and analytics available to internal and external stakeholders , including metropolitan planning organizations (MPOs) and the public.
02/20 – Ongoing	General Staff Augmentation for Section 21/Mapping, LADOTD, Baton Rouge, LA. Daily Operations Manager. Manages a team of more than 25 remote and embedded staff operating as an extension of Department personnel to support daily operations. Leads development and implementation of business system integrations between Geographic Information Systems (GIS) and the Linear Referencing System (LRS) across internal and external stakeholders . Supports annual federal reporting requirements related to Highway Performance Monitoring System (HPMS) and Certified Public Mileage (CPM). Directs development of data tools, applications, and web-based visualizations using Feature Manipulation Engine (FME), ArcGIS Experience Builder, ArcGIS Portal, and Python-based Extract, Transform, Load (ETL) workflows. Oversees program delivery , including invoicing, status reporting, and Agile-based task management.
07/24 – Ongoing	Rail Inventory Management System (RIMS) Integration with Roads and Highway, LADOTD, Baton Rouge, LA. Project Manager. Directs technical team development of Feature Manipulation Engine (FME) workflows to extract rail crossing data from the Rail Inventory Management System (RIMS) database via an application programming interface (API) and integrate into enterprise systems. Works with stakeholders to improve data accessibility and understand requirements for

	data analytics. Develops QA/QC workflows to monitor and track incoming data to the enterprise. Directs data processing workflows to append and manage authoritative rail crossing datasets . Improves data availability and quality to support advanced analytics, reporting, and railroad asset management .
09/24 – 04/26	Guardrail Asset Management, LADOTD, Baton Rouge, LA. Daily Operations Manager. Oversees development of web and field applications supporting guardrail data collection and management. Directs development of post-processing scripts to transform field data and align with enterprise data schemas , improving data accuracy and consistency. Supports development of ArcGIS Experience Builder applications to visualize and analyze processed data , enhancing workflows for data collection, reporting, and safety analysis .
07/19 – 03/24	Enterprise Systems Integration with Roads and Highways, LADOTD, Baton Rouge, LA. Daily Operations Manager. Supports integration of enterprise business systems with Roads and Highways platform , including AgileAssets, MS2, and pavement data systems. Coordinates technical integration using Linear Referencing System (LRS) network exports and provides Geographic Information Systems (GIS) support for asset management and traffic data integrations . Supports integration of pavement data collection and analysis into the enterprise GIS to improve data sharing and reporting via the annual Highway Performance Monitoring System (HPMS) cycle.
01/25 – Ongoing	Migration from TransInfo to Roads and Highways, Oregon Department of Transportation (ODOT), Salem, OR. Assistant Project Manager and Change Management Lead. Supports transition from Bentley TransInfo Linear Referencing System (LRS) to Esri Roads and Highways platform for Geographic Information Systems (GIS) and Road Inventory and Classification (RICS) units. Develops organizational change management documentation and communication strategies to support system transition across the agency. Supports technical team across tasks involving database design, schema development, workflow documentation, and identification of reporting requirements .
01/23 – Ongoing	Multi-Application Geographic Information Center (MAGIC), Nevada Department of Transportation (NDOT), Carson City, NV. Daily Operations Manager. Manages Agile-based delivery across a team of more than 30 staff using Microsoft DevOps to establish epics, features, stories, and tasks within two-week sprint cycles. Leads requirements gathering through client interviews across NDOT business units to define current conditions, target state, and prioritized use cases. Supports development and deployment of enterprise solutions , including applications such as Road Data Viewer, Functional Class tools, Pavement Query Engine, and Traffic Records Information Access (TRINA 2.0).
08/25 – Ongoing	Highway Safety Improvement Program (HSIP) Task Order 2: Context Classification Guide, Nevada Department of Transportation (NDOT), Carson City, NV. Project Manager. Leads development of statewide context classification guide supporting Traffic Safety Engineering. Directs evaluation of best practices across peer state programs to inform data model development. Supports data collection, standardization, and development of automated and scenario-based analytical models to advance transportation safety and planning analysis. Leads development of requirements and specifications for wireframing and building web-based applications in ArcGIS Experience Builder and Event Editor to manage context classification datasets and scenarios.
11/23 – 05/25	Highway Safety Improvement Program (HSIP) Task Order 1: Investigating and Analyzing Safety Data Protocols, Nevada Department of Transportation (NDOT), Carson City, NV. Project Manager. Leads safety data analysis and development of workflows supporting Traffic Safety Engineering operations. Directs development of automated processes using Python to integrate crash data from multiple sources and improve reporting.

Firm employed by. 

Name	Joshua Chatelain	Years of relevant experience with this employer	13
Title	Senior Digital Data Analyst	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	BS / 2002 / Geography, University of New Orleans		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Innovative Technology / GIS		



Mr. Chatelain has more than **20 years of experience using Geographic Information Systems (GIS) for planning and analysis** in the transportation engineering field. He is experienced in performing infrastructure mapping and assessment, transportation planning and analysis, data acquisition, field survey oversight, and providing GIS support for a wide range of projects. Mr. Chatelain is currently leading a project with LADOTD Safety Section to **develop data sets for use in safety screenings and systemic analyses**. experience with ESRI ArcGIS application stack and data driven applications include: ArcMap, ArcCatalog, ArcInfo, ESRI Roads and Highways, Event Editor, ArcGIS Data Reviewer, ArcGIS Workflow Manager, ArcGIS Pro, ArcGIS 3D Analyst, ArcGIS Spatial Analyst, ArcGIS Geostatistical Analyst, ArcGIS Network Analyst, Production Mapping, ArcPad, ArcGIS Collector, ArcGIS Model Builder, ArcGIS Online, ArcGIS Enterprise, ArcGIS Web App Builder, AutoCAD, Enterprise Databases, ArcSDE, Python, ArcGIS Server, and SQL Server Management Studio.

Experience dates	Experience and qualifications relevant to the proposed contract
04/24 - Ongoing	LADOTD Safety Section Support - LADOA General Services Staff Augmentation Contract, LADOTD, Statewide, LA. Data Analyst. Supporting Highway Safety Section and CARTS (LSU Center for Analytics & Research in Transportation Safety) focus groups to design and develop a linear referenced enterprise Intersections data model to meet the needs of various stakeholders at LADOTD.
06/18 – 10/19	I-10 Queue Warning Systems Engineering Analysis (SEA) and Feasibility Study, LADOTD, Baton Rouge, Louisiana. Probe Data and GIS Analyst. Developed the first of its kind ITS SEA for the evaluation of a Queue Warning system on I-10 eastbound. Required evaluation of traffic probe data as well as LADOTD's crash data using GIS and electronic dashboarding tools to identify existing traffic conditions.
01/14 – 01/18	Retainer Contract for an Enterprise LRS System Development, LADOTD, Statewide, Louisiana. GIS Analyst. Responsible for the implementation of an Enterprise Linear Referencing System (LRS) using ESRI's Roads & Highways . Participated in discovery meetings, development of existing conditions report, development of initial R&H database model and implementation of a Statewide Enterprise LRS. Local point of contact and associate project manager for the retainer contract.
02/13 – 07/14	Enterprise LRS Business Process Review and Database Design Arizona Department of Transportation, Phoenix, Arizona. GIS Analyst. Worked as part of the project team to design and implement an Enterprise Linear Referencing System (LRS) using the ESRI Roads and Highways platform (RNH) . Evaluated the needs of the LRS system within ADOT. Tested tool sets, geoprocessing functions, models, datasets, schemes, and other elements within RNH to identify practical methods of migration to RNH from ADOT's current system. Modified, modeled, processed, and prepared datasets for migration into RNH.
01/10 – 01/11	City-Parish Enterprise LRS System Development, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, Louisiana. GIS Analyst. Responsible for the implementation of an Enterprise Linear Referencing System using Geomedia and Oracle Spatial. Conducted business requirements and needs assessment, design, build, and implementation of a parish wide LRS.

FIELD INVENTORY AND INSPECTION STAFF

Firm employed by.



Name	Erik T. Smith, PE	Years of relevant experience with this employer	1.6
Title	Senior Construction Inspection Engineer	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization	BS / 1995 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.0029085 / LA / Exp. 09/30/2026		
Year registered	2000	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Field Inventory / Inspection		



Mr. Smith is a Senior ITS Engineer and Project Manager with more than 29 years of experience in the industry. His extensive experience includes construction engineering support and inspection (CE&I) for ITS projects, ITS design, and ITS Maintenance. As an ITS CE&I Engineer, his focus has been maintaining DOTD construction standards, specifications, and procedures during construction with an eye toward future maintenance of constructed components and safety. He has successfully worked on projects at the Louisiana Department of Transportation and Development (LADOTD). Other certifications include ATSSA TCT & TCS.

Experience dates	Experience and qualifications relevant to the proposed contract
06/24 – Ongoing	I-10 WBR Queue Warning System, LADOTD, Iberville and West Baton Rouge Parishes, LA. Senior ITS Engineer. Responsible for providing Project Management and QA/QC services to LADOTD on ITS expansion project that includes the installation of approximately 20 miles of fiber optic communications cable and conduit and the installation of 18 Closed Circuit television cameras, 1 Dynamic Message Sign, and 7 flashing beacons. As a Senior ITS Engineer, Erik's responsibilities include overseeing all aspects of construction and inspection, providing engineering support and quality control oversight to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD, including RFIs and shop drawings. Other duties include software testing, component testing, system acceptance testing, and system upgrades for the project. Managing monthly project meetings, preparing pay estimates, and managing work orders.
01/25 – Ongoing	ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract – Program Management (PM) and Maintenance Management System (MMS) Task Orders, LADOTD, Statewide, LA - Senior ITS Engineer. Responsible for developing, implementing, and managing ITS maintenance plans, policies, standards, procedures, and guidelines . Responsibilities also include deployment planning, installation, configuration validation, data migration support and ongoing update to database, training, and annual MMS software support. The project scope includes program management, MMS software, comprehensive maintenance plan for routine and responsive maintenance, health and safety and traffic control plan development, and tracking and performance measures reporting.
01/25 – Ongoing	ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract - Routine Maintenance Task Orders – CCTV, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA - Senior ITS Engineer. Responsible for providing routine maintenance of statewide ITS sites including, CCTV, dynamic message signs (DMS), vehicle detectors (VD), and ramp meters. Routine maintenance activities typically include inspecting site equipment, changing air filters, vacuuming dust out of a cabinet, cleaning CCTV domes, cleaning DMS face plates, and cleaning cooling fans, as well as record keeping. Responsibilities also include development of detailed checklist by device type; integration of checklist with MMS software;

	standardized reporting; development of routine maintenance schedule; and coordination with statewide Traffic Management Center (TMC), regional TMCs, and DOTD districts before, during, and after all maintenance activities.
01/25 – Ongoing	ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract - Responsive Maintenance Task Orders – CCTV, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA - Senior ITS Engineer. Responsible for providing responsive maintenance of statewide ITS sites including, CCTV, dynamic message signs (DMS), vehicle detectors (VD), and ramp meters. Responsible for responsive and emergency maintenance of ITS sites in Louisiana. Responsive maintenance involves the repair or replacement of any reported failed or malfunctioning equipment. Emergency maintenance is responsive maintenance that requires immediate repair, such as sites requiring traveler information, or incidents and events.
07/24 – Ongoing	ITS Maintenance Retainer Contract, ALDOT, Statewide, AL - Senior ITS Engineer. Responsible for overseeing ITS and Communications related activities. Provided Project Management and Technical Resources for ITS, CCTV, Traffic Signal, and Communications projects to ALDOT.
01/06 – 01/23	LADOTD ITS Maintenance and Communications – Program and Project Management for ITS Maintenance and Communications, LADOTD, Statewide, LA – LADOTD ITS Maintenance and Communications Engineer Manager. LADOTD Program Manager and Project Manager in responsible charge of all ITS (Section 56) Maintenance and Communications projects statewide. Projects included installation, maintenance, repair, and decommissioning of CCTV, Radar Vehicle Detectors, Dynamic Message Signs, Ramp Meters, Flashing Beacons, fiber optic cable, conduit and pullboxes, SONET and Ethernet switch gear, telephone systems, communications towers, hub buildings, generators, fuel tanks, HVAC, solar panels, UPS systems, electrical transformers, electrical disconnects, and electrical service.
02/13 – 01/23	LADOTD ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Contracts – Project Management for PM and MMS Task Orders, LADOTD, Statewide, LA – LADOTD ITS Maintenance and Communications Engineer Manager. LADOTD Project Manager in responsible charge of all Program Management (PM) and Maintenance Management System (MMS) Task Orders.
02/13 – 01/23	LADOTD ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Contracts – Project Management for Routine Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA – LADOTD ITS Maintenance and Communications Engineer Manager. LADOTD Project Manager in responsible charge of all Routine Maintenance Task Orders.
02/13 – 01/23	LADOTD ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Contracts – Project Manager for Responsive Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA - ITS Maintenance and Communications Engineer Manager. LADOTD Project Manager in responsible charge of all Responsive Maintenance Task Orders.

Firm employed by



Name	Cody Lemoine, PMP	Years of relevant experience with this employer	8
Title	Senior Field Operations Manager	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	Project Management Professional (PMP) 3771871 / Exp. 07 / 2027 Drone License # 4416213 / United States / no expiration		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Field Inventory / Inspection		



Mr. Lemoine has thirteen years of experience including field inspection and data collection in the transportation industry. He is licensed with the Louisiana Board of Contractors as an electrical contractor & low voltage telecommunications. He has experience as Lead Inspector and Senior Inspector on several LADOTD CE&I projects. He has experience with data collection, data management, data verification, and inventory management using the inSIGHT AM software package. He is a licensed FAA Drone Pilot and uses his drone to obtain photo imagery for project site observations.

Experience dates	Experience and qualifications relevant to the proposed contract
06/24 – Ongoing	ITS Maintenance Engineering & Inspection (ME&I) – Program Management and Maintenance Management System Task Orders, LADOTD, Statewide. <i>Field Manager / Project Manager.</i> Performs field inspection and data collection for LADOTD maintenance contract. Responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
06/24 – Ongoing	ITS Maintenance Engineering & Inspection (ME&I) - Routine Maintenance Task Orders, LADOTD, Statewide, LA. <i>Field Manager / Project Manager.</i> Performs field inspection and data collection for LADOTD maintenance contract. Responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
06/24 – Ongoing	ITS Maintenance Engineering & Inspection (ME&I) - Responsive Maintenance Task Orders, LADOTD, Statewide, LA. <i>Field Manager / Project Manager.</i> Performs field inspection and data collection for LADOTD maintenance contract. As Project Technician, responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
02/24 – Ongoing	I-10 WBR Queue Warning System ITS Deployment (CE&I), LADOTD, Iberville and West Baton Rouge Parishes, LA. <i>Sr. Field Inspector.</i> Provides field inspection and data collection for LADOTD construction project. Responsibilities include observing and documenting all aspects of construction.
08/21 – 09/25	I-10 US 61 to Laplace ITS Deployment (CE&I), LADOTD, Ascension, St. James, and St. John the Baptist Parishes, LA. <i>Sr. Field Inspector.</i> Provided field inspection and data collection for LADOTD construction project. Responsibilities included observing and documenting all aspects of construction.
10/19 – 10/21	Alexandria ITS Deployment Phase 3 (CE&I), LADOTD, Rapides Parish, LA. <i>Sr. Field Inspector.</i> Provided field inspection and data collection for LADOTD construction project. Responsibilities included observing and documenting all aspects of construction.

Firm employed by.



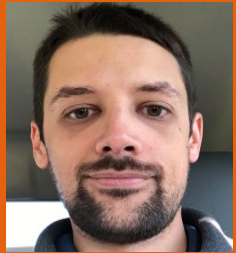
Name	Anthony Jackson, IMSA III		Years of relevant experience with this employer	4
Title	Senior Technician/Inspector - Lead		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			Pre-Civil Engineering Coursework / 2016 – Ongoing / Baton Rouge Community College	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Field Inventory / Inspection	
 Mr. Jackson has 23 years of experience in field inspection and investigation, testing/QA, and construction inspection and testing of structural components on LADOTD ITS CE&I projects. He has 19 years of experience working on ITS and traffic signal projects including construction, inspection, system integration and maintaining traffic signal and ITS systems in the transportation industry. He has experience with complex intelligent transportation system (ITS), and Traffic Signalizations. He has a thorough knowledge of LADOTD standards and specification. He has certified technical trainings on ITS assets and systems such as COHU, Axis, Daktronics, ISS RTMS Traffic Detector, Trafficware TS2, and Econolite Autoscope and others. He also has certifications as an IMSA Level III Traffic Signal Technician, and Traffic Signal Inspector for Advance Technologies.				
Experience dates				
Experience and qualifications relevant to the proposed contract				
08/16 – Ongoing				
ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Contract Program Management (PM) and Maintenance Management System (MMS), LADOTD, Statewide - Senior ITS Technician: Responsible for assisting in the routine maintenance of CCTV camera, Dynamic Message Sign (DMS), vehicle detector (VD) and ramp meter sites, and responsive/emergency maintenance of CCTV camera and DMS sites located throughout the state of Louisiana. Developed Traffic Control Plans (TCP) and worked with the LADOTD project manager to determine safety class and critical level assignments for all asset sites . Performed training for and installation of the maintenance management system (MMS). Worked on the development of performance measures reports, ITS Maintenance Plan, Program Management Plan (PMP) and Health and Safety Plan (HASP) for the project. Developed procedures and checklists for the performance of maintenance activities at ITS sites. Performed site inspections, validation and quality control checks for maintenance activities performed under the contract.				
08/16 – Ongoing				
ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Routine Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD; Statewide, LA - Senior ITS Technician: Responsible for assisting in routine maintenance activities that include inspecting site equipment, changing air filters, vacuuming dust out of a cabinet, cleaning CCTV domes, cleaning DMS face plates, and cleaning cooling fans, as well as record keeping. Responsibilities also include development of detailed checklist by asset type ; integration of checklist with MMS software; standardized reporting; development of routine maintenance scheduler; and coordination with statewide traffic management center (TMC), regional TMCs, and DOTD districts before, during, and after all routine maintenance activities.				
08/16 – Ongoing				
ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Responsive Maintenance Task Orders – CCTV Camera and DMS, LADOTD; Statewide, LA - Senior ITS Technician: Responsible for assisting in responsive or emergency maintenance that occurs in response to malfunctioning or faulty components that prevent the normal operations of ITS devices. Also responsible for tracking a responsive maintenance ticket to see that the work is done within the defined response time based on a site location.				

05/13 – 08/16	ITS Maintenance Retainer Contract – Program Management and Maintenance Management System, LADOTD, Statewide, LA - <i>Senior ITS Technician</i> : Premier duties were to integrate, troubleshoot, and perform preventative maintenance, on CCTV Cameras, DMS, VD, and Ramp Meters. Performs QA/QC checks after any work is performed on the routine and responsive maintenance. The site visits for quality control on maintenance activities to secure thoroughness of work against maintenance procedure. It also allows the inspection of the TCP installation, and usability for current roadway geometrical conditions.
08/21 – Ongoing	CE&I for I-10 US 61 to Laplace ITS Deployment, LADOTD, Ascension, St. James, St. John the Baptist Parishes, LA - <i>Senior Technician/Lead Inspector</i> : Provide field inspection and investigation services to LADOTD on ITS expansion project that includes the installation of approximately 23 miles of fiber optic communications cable and conduit and the installation of ten Closed Circuit television cameras including four that will be solar powered. Responsibilities include overseeing all aspects of construction and inspection including providing support and quality control oversight to the contractor during construction, directing field inspectors , and maintaining project documentation required by LADOTD, including Daily Work Reports, materials testing submittals, daily temporary traffic control, and daily pay item field diaries .
02/19 – 08/21	CE&I for US 190 ITS Deployment, LADOTD, West Baton Rouge, Pointe Coupee, and Landry Parishes, LA - <i>Senior Technician/Inspector</i> : Provide field inspection and investigation services to LADOTD on ITS expansion project that includes the installation of approximately 48 miles of fiber optic communications cable, the interconnection of four traffic signals onto the LADOTD communications network, and the installation of two communications HUB buildings. Responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.
10/19 – 08/21	CE&I for Alexandria ITS Deployment Phase 3, LADOTD, Rapides Parish, LA - <i>Project Technician</i> : Provide construction management services to LADOTD on ITS expansion project in the Alexandria metropolitan area. The ITS expansion project includes the installation of fiber optic communications cable, Dynamic Message Signs and Closed-Circuit Television cameras on US 71, US 165, and LA 28. Responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.
06/15 – 12/15	LADOTD District 04 Controller Upgrade Traffic Signalization and Related Work, Bienville, Bossier, Caddo, Claiborne, Desoto, Red River, Webster, Jefferson, Orleans, St. Bernard, St. Charles Parishes, Baton Rouge, LA - <i>Project Manager/Sr. Technician</i> : Participated in planning and bidding to obtain contracts for projects. Acting Traffic Control Supervisor on the project and coordinated work schedule with LADOTD. Served as Lead Technician on project and approved partial estimates and change orders. Responsible for programming ATC controllers, and installing GPS in the controller cabinets. Maintain proper traffic control by coordinating the shutdowns of major and minor signalized intersection with state and local police departments.

Firm employed by.



Name	Justin Gaspard, IMSA I	Years of relevant experience with this employer	6
Title	ITS Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Field Inventory / Inspection		



Mr. Gaspard has six years of ITS experience including **field inspection and investigation**, and maintenance. He has experience with complex intelligent transportation system (ITS) networks that include wireless MESH, fiber optics, and copper. His responsibilities include managing routine maintenance and responsive/emergency maintenance of closed-circuit television (CCTV) camera systems, Dynamic Message Sign (DMS), vehicle detector (VD), and Ramp Meter (RM) sites located throughout the state of Louisiana. He has been certified by IMSA as a **Level 1 Traffic Signal Field Technician**.

Experience dates	Experience and qualifications relevant to the proposed contract
06/24-Ongoing	ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract - Routine Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA. ITS Technician Responsible for providing routine maintenance of statewide ITS sites including, CCTV cameras, DMS, VD, and Ramp Meters. Routine maintenance activities typically include inspecting site equipment, changing air filters, vacuuming dust out of a cabinet, cleaning CCTV domes, cleaning DMS face plates, and cleaning cooling fans, as well as record keeping. Responsibilities scheduling field staff and coordination with statewide traffic management center (TMC), regional TMCs, and DOTD districts before, during, and after all routine maintenance activities. This project includes the troubleshooting and repair of malfunctioning ITS and network communications devices. Diagnostics and repair to utility power services, backup generator power sources, and solar power systems.
06/24-Ongoing	ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Responsive Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD; Statewide, LA. ITS Technician. Responsible for providing responsive maintenance of statewide ITS sites including CCTV cameras and DMS. Performs responsive/emergency maintenance in response to malfunctioning or faulty components that prevent the normal operations of ITS devices. Also responsible for tracking each responsive maintenance ticket to verify that work is done within the defined response time based on the site location.
03/19 – 06/24	ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Routine Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD; Statewide, LA. ITS Technician. Responsible for maintenance of statewide ITS sites including CCTV cameras, DMS, VDs, and Ramp Meters. Routine maintenance activities typically include inspecting site equipment and performing routine maintenance checklists for all asset devices . This project included the troubleshooting and repair of malfunctioning ITS and network communications devices as well as diagnostics and repair to utility power services, backup generator power sources, and solar power systems.
03/19 – 06/24	ITS Maintenance, Engineering, and Inspection (ME&I) Retainer Responsive Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD; Statewide, LA. ITS Technician. Responsible for providing responsive maintenance of

	statewide ITS sites including CCTV cameras and DMS. Performs responsive/emergency maintenance in response to malfunctioning or faulty components that prevent the normal operations of ITS devices. Also responsible for tracking each responsive maintenance ticket to verify that work is done within the defined response time based on the site location.
06/22 – 06/24	ITS Maintenance Retainer, Alabama Department of Transportation (ALDOT), Birmingham, AL. ITS Field Technician. Responsible for ensuring proper functions of ITS devices including CCTV cameras, Dynamic Message Signs (DMS), and Vehicle Detectors (VD). Assisted with communications deployments, routine maintenance activities, and project planning. This project involved establishing new network routes to an extensive ITS/RTOP network in Birmingham, AL and various ITS related activities statewide. Assisted the East Central Region to develop and implement the first 811 utility locate program in the East Central Region that has completed nearly 1000 fiber optic cable locates in since May of 2022. This included detailed documentation, geo fencing, and reporting of fiber assets region wide.
08/21 – Ongoing	CE&I for I-10 US 61 to Laplace ITS Deployment, Ascension, St. James, St. John the Baptist Parishes, LA. Project Inspector. Provide field inspection and investigation services to LADOTD on ITS expansion project that includes the installation of approximately 23 miles of fiber optic communications cable and conduit and the installation of 10 CCTV cameras including 4 that will be solar powered. Overseeing all aspects of CE&I including providing support and quality control oversight to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD, including Daily Work Reports, materials testing submittals, daily temporary traffic control, and daily pay items.
02/19 – 08/21	CE&I for US 190 ITS Deployment, LADOTD, West Baton Rouge, Pointe Coupee, and St. Landry Parishes, LA. Inspector. Provide field inspection and investigation services for LADOTD on ITS expansion project that included the installation of approximately 48 miles of fiber optic communications cable, the interconnection of four traffic signals onto the LADOTD communications network, and the installation of two communications hub buildings with three-phase utility power. As Project Inspector , responsibilities included observing and documenting all aspects of construction and preparing DWRs and reviewing daily temporary traffic control. Assisted Lead inspector with maintaining project documentation required by LADOTD.
10/19 – 10/21	CE&I for Alexandria ITS Deployment Phase 3, LADOTD, Rapides Parish, LA. Inspector. Assisted in inspection of ITS device construction and installation including , verifying traffic control, reading plan sets, completing daily work reports (DWR), and tracking quantities . Worked with the lead inspector and project engineer to ensure that all construction line items, and safety expectations were met as part of this ITS construction deployment. This project involved the installation of underground conduit and fiber optic cable, Dynamic Message Signs, and Closed-Circuit Television Systems.

Firm employed by.



Name	Joshua Daigrepont, IMSA II		Years of relevant experience with this employer	7
Title	Senior Field Technician		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		N/A		
Active registration number / state / expiration date		International Municipal Signal Association (IMSA) Level 1 / Level 2 Traffic Signal Field Technician / Exp. 09/18/2028		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Field Inventory / Inspection		



Mr. Daigrepont has ten years of experience including field inspection and data collection in the transportation industry. He has experience as an Inspector on several LADOTD CE&I projects. He has been certified by the International Municipal Signal Association (IMSA) as a Level 1 and Level 2 Traffic Signal Field Technician. Mr. Daigrepont has seven years of experience with tower climbing and working at heights with a variety of bucket trucks, cranes, and manlifts. He has been certified by Comtrain, LLC as a competent level Tower Safety and Rescue climber. He has experience with data collection, data management, data verification, and inventory management using the inSIGHT AM software package.

Experience dates	Experience and qualifications relevant to the proposed contract
06/24-Ongoing	ITS Maintenance Engineering & Inspection (ME&I) - Program Management and Maintenance Management System Task Orders, LADOTD, Statewide, LA. <i>Field Technician & Inspector.</i> Performs field inspection and data collection for LADOTD maintenance contract. Responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
06/24-Ongoing	ITS Maintenance Engineering & Inspection (ME&I) - Routine Maintenance Task Orders, LADOTD, Statewide, LA. <i>Field Technician & Inspector.</i> Performs field inspection and data collection for LADOTD maintenance contract. Responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
06/24-Ongoing	ITS Maintenance Engineering & Inspection (ME&I) - Responsive Maintenance Task Orders, LADOTD, Statewide, LA. <i>Field Technician & Inspector.</i> Performs field inspection and data collection for LADOTD maintenance contract. Responsibilities include observing and documenting all aspects of maintenance. Use inSIGHT AM software for data collection and data management . Regularly maintain, verify, and update the inventory in inSIGHT AM.
08/21 – 09/25	I-10 US 61 to Laplace ITS Deployment (CE&I), LADOTD, Ascension, St. James, and St. John the Baptist Parishes, LA. <i>Field Inspector.</i> Provided field inspection and data collection for LADOTD construction project. Responsibilities included observing and documenting all aspects of construction.
02/19 – 08/21	US 190 ITS Deployment (CE&I), LADOTD, West Baton Rouge, Pointe Coupee, and St. Landry Parishes, LA. <i>Field Inspector.</i> Provided field inspection and data collection for LADOTD construction project. Responsibilities included observing and documenting all aspects of construction.
10/19 – 10/21	Alexandria ITS Deployment Phase 3 (CE&I), LADOTD, Rapides Parish, LA. <i>Field Inspector.</i> Provided field inspection and data collection for LADOTD construction project. Responsibilities included observing and documenting all aspects of construction.

GEOTECHNICAL ENGINEERS

Firm employed by.



Name		Kirk Lowery, PE, BC.GE		Years of relevant experience with this employer		13	
Title		Geotechncal Engineer		Years of relevant experience with other employer(s)		24	
Degree(s) / Years / Specialization				MS / 2000 / Civil Engineering BS / 1987 / Civil Engineering			
Active registration number / state / expiration date				PE. 25665 / LA / Exp. 09/30/2026			
Year registered		1994		Discipline		Civil Engineer, Environmental Engineer	
Contract role(s) / brief description of responsibilities				Geotechnical Engineer			
				Mr. Lowery has 37 years of geotechnical planning, design, and construction experience. He has served as the geotechnical task lead ranging from preliminary design alternatives and assessment of levees, earthen dams, and concrete dams to mitigation recommendations for unstable slopes using remedial measures such as deep soil mixing and compacted stone columns. He has experience performing Flood Risk Management, Aquatic Ecosystem Restoration and Coastal Storm Risk Management projects. Training: Geostudio (SLOPE/W, SEEP/W, SIGMA/W) workshop, ENSOFT (LPile, APile, GROUP, PYWall) workshop, OpenGround USACE workshop.			
Experience dates				Experience and qualifications relevant to the proposed contract			
05/04 – 02/06				Louisiana TIMED Management Program throughout Louisiana. Mr. Lowery was the <i>project leader for the geotechnical investigation of 14 separate Louisiana Timed Projects along Louisiana Highways 165, 167 and 425.</i> As such, Mr. Lowery was responsible for preparing all proposals, and <i>ensuring all geotechnical work and design were accomplished in accordance with LADOTD guidelines.</i> These projects included drilling, sampling, geotechnical testing, and <i>geotechnical design for new bridges</i> over waterways <i>and railroad bridges</i> , new roadway embankments, and large excavations. Geotechnical recommendations were provided for post-tension, precast concrete bridge piles, drilled shafts, slope stability for embankments and excavations, settlement analyses of embankments, surcharge loading of embankments, possible wick drains for large embankments, settlement monitoring plans for large embankments, possible dewatering requirements for large excavations, and for constructability.			
08/09 – 07/11				Comite Diversion Project – US Highway 61, Baton Rouge, LA. <i>Civil Geotechnical Engineer.</i> Lead Geotechnical Engineer for two new, permanent, highway bridges, including approaches; a temporary highway bypass (on grade); a new, permanent railroad bridge; a temporary shoofly (by-pass on grade); and USACE channel design, including disposal areas, and dewatering as required. <i>Coordinated geotechnical efforts with LADOTD and proposed additional CPTs and borings to accommodate FHWA's LRFD standards.</i> Additionally, <i>design of the railroad bridge and shoofly required the use of American Railway Engineering and Maintenance-of-way Association (AREMA) standards.</i> The team provided quality control for the field and laboratory testing and conducted geotechnical analysis including slope stability, settlement, pile design using FHWA's LRFD and AREMA standards, <i>retaining wall analysis for the railroad crash wall</i> , and slope protection recommendations.			
02/09 – 1/14				Western Tie-In U.S. Highway 90, Jefferson Parish, LA. <i>Civil Geotechnical Engineer.</i> Arcadis supported USACE by completing final engineering design plans and specifications for a floodwall crossing U.S. Highway 90. In addition to designing the floodwall, an approximate 2,540-foot-long bridge was designed in accordance with FHWA's LRFD standards. Kirk was the Geotechnical Task Manager for the final design. The geotechnical team reviewed existing geotechnical borings and CPTs, did			

	preliminary geotechnical analysis and determined an additional boring and CPTs were necessary to meet FHWA's LRFD standards. The team provided quality control for the field and laboratory testing and conducted geotechnical analysis including slope stability, settlement, seepage, levee design, pile design, T-wall design, evaluating downdrag issues on piles due to fill placement and assisted in preparing plans, specifications, cost estimates, and report documentation of design alternatives. Led Arcadis' team to develop pile load test plans and specifications and provide an evaluation with recommendations of the pile load tests.
09/19 – Ongoing	Rio Puerto Nuevo Channel (2D/2E) and Roosevelt Avenue Bridge Replacement (2B) Design, San Juan, PR. <i>Civil Geotechnical Engineer.</i> Provided geotechnical QC review of all design submittals of a 1.1-mile channel wall segment capable of resisting seismic loading on the Rio Puerto Nuevo. Provided geotechnical and structural design as well as extensive construction sequencing drawings for the drilled shaft cantilevered channel tangent walls, a utility 36-in siphon structure and coffer cells, inlet and drop structures, channel excavation, bridge superstructure and abutments, utility penetrations through channel walls, and a utility bridge to carry a 48-in potable watermain pipe over the canal.
01/15 – 11/15	Louisiana Coastal Area Beneficial Use of Dredged Material (BUDMAT) Program, Plaquemines Parish, LA. <i>Civil Geotechnical Engineer.</i> Geotechnical task leader of the selected option of this project to construct roughly 80 acres of marsh and ridge via hydraulic dredging, transport over 10 miles, and placement of approximately 1.7 million cubic yards of material from the Mississippi River near Spanish Pass. As part of the evaluation and design, borings were taken to determine an excavation plan for routing the dredge pipe under Tide Water Road in Venice, Louisiana. Assessed the civil layout based on right-of-way, overhead clearance and the existing structures along the roadway, and then he analyzed the required sheeting needed to keep the excavation open.
12/15 – Ongoing	Mecca Impoundment Design, Palm Beach County, FL. <i>Civil Geotechnical Engineer.</i> Geotechnical Lead for the analysis and development of the design for a proposed aboveground water storage reservoir to benefit the Loxahatchee River, a national Wild and Scenic River in northern Palm Beach County. Project responsibilities included overseeing the delivery of the geotechnical data report, geotechnical technical memoranda, and a final geotechnical engineering report that summarized the technical memoranda. The field investigation included 24 initial and four supplementary borings, 44 piezometers/wells, field permeability testing, and geotechnical laboratory testing.
04/18 – 08/25	C-139 Flow Equalization Basin Design, Hendry County, FL. <i>Civil Geotechnical Engineer.</i> Performed geotechnical analysis and design using geotechnical modelling data, geotechnical laboratory testing, installation of piezometers, and slug tests of the piezometers. Analyzed seepage, slope stability, and erosion protection of the internal and external containment berms and designed recirculation channels for seepage and the foundation design of the inlet / outlet structures. Kirk oversaw the geotechnical investigations and prepared boring logs, performed logging in gINT, and coordinated lab testing. The soil borings included field standard penetration testing.
05/19 – Ongoing	Helena Levee / Floodwall Design, Phillips County, AR. <i>Civil Geotechnical Engineer.</i> Led geotechnical evaluation and design of floodwall. Reviewed historical borings and performed seepage, slope stability and settlement analysis to determine depth of sheet pile needed and to mitigate the unstable slope. Design of the replacement of 3,700 linear feet concrete floodwall and 2 gates on the Mississippi River. The design required the preparation of 100% construction plans and specifications. Developed geotechnical design conditions based on investigations of the subsurface conditions that included previous investigations provided by USACE and current investigation conducted by Arcadis.

Firm employed by.



Name	Ayan Mehrotra, PE, PMP		Years of relevant experience with this employer	3
Title	Geotechnical Engineer		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization			MS / 2014 / Civil Engineering, Louisiana State University BS / 2011 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE. 40973 / LA / Exp. 03/2027	
Year registered	2016	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Geotechnical Engineer	
			Mr. Mehrotra is a highly skilled Geotechnical Engineer with over 18 years of experience, specializing in project management for flood protection and coastal resiliency projects. Ayan has a proven track record of successfully leading complex geotechnical designs for flood protection, coastal resiliency, and infrastructure projects. Ayan excels in overseeing all stages of project lifecycles, from initial planning and budgeting to execution and quality control. His strong leadership, meticulous attention to detail, and effective communication skills enable him to effectively coordinate multidisciplinary teams, ensuring project objectives are met on time and within budget. Ayan's expertise in project management, combined with his extensive geotechnical engineering background, make him a valuable asset for organizations seeking a results-driven professional to drive successful project outcomes.	
Experience dates			Experience and qualifications relevant to the proposed contract	
11/18 – 04/21			Laurel Ridge Levee, GSA, Ascension Parish, LA. Geotechnical Engineer. The project involves the construction of an approximately 4-mile-long levee in east Ascension Parish, Louisiana. The geotechnical scope of services included performing 5-inch soil borings, laboratory testing, and geotechnical levee design. Performed settlement analysis to evaluate levee overbuild, and slope stability analysis in accordance with USACE HSDRRS guidelines of proposed levee sections.	
07/17 – 11/18			Sunset Levee, CB&I, Sunset Drainage District Levee – St. Charles Parish, LA. Staff Engineer. The project consisted of geotechnical design of proposed improvements to 10 miles of earthen levee. The improvements included increasing the protection height of the existing levee. Responsible for performing stability analyses of proposed T-Wall sections of the levee. The T-Wall were analyzed for local and global stability utilizing an approach developed by USACE-MVN.	
06/14 – 07/17			Engineer’s Road Drainage Improvements, Trigon, Plaquemines Parish, LA. Lead Geotechnical Engineer. The project consisted of various drainage improvements along Engineers Road in Belle Chasse, Louisiana. The improvements consisted of removal and replacement of existing drainage pipes and culverts, regrading of existing open-channel sections, a new pump station, and installation of two outfall pipes over the Algiers Canal Levee. The Algiers Canal Levee is a part of the USACE HSDDRS system, and therefore, the pipe crossing over the levee required stability, settlement, and seepage analyses utilizing Slope/W and Method of Planes to satisfy USACE permitting requirements.	
06/14 – 07/17			Dillard University Drainage Improvements, Dillard University, New Orleans, LA. Project Manager. Performed stability and seepage analysis to satisfy USACE requirements. The project consisted of various drainage improvements throughout the campus of Dillard University. Part of the project included the construction of a detention pond, and a trench to replace an	

	existing storm drain, within 150 feet of the London Avenue Floodwall. Stability and seepage analysis were performed with respect to the London Avenue Floodwall to satisfy USACE permitting requirements. The stability analysis was performed in accordance with USACE HSDRRS design guidelines and included full gap, partial gap, and global analysis.
07/17 – 11/18	Port Development, Evans-Graves Engineers, Cameron, LA. Geotechnical Engineer. The project consisted of the construction of a new port facility near the existing Calcasieu Ship Channel in Cameron, LA. The port facility will be created by hydraulically dredging an entrance channel and a slip. The dredging will be performed to about El. -33 feet (existing El. +1 feet) and the slip will be constructed utilizing open-cell sheet walls. Manage the scope of services consisting of performing soil borings to depths of up to 150 feet, field vane shear tests, CPTu testing, laboratory testing, and engineering analyses. Performed engineering analyses that included creating the dredge profile, foundation analysis, slope stability analysis, pavement recommendations, settlement analysis, ground improvement recommendations, and soil design profiles.
06/14 – 07/17	Yscloskey to Norco Pipeline Relocation, Design Engineer, Yscloskey, LA. Geotechnical Engineer. Performed geotechnical analysis for this project that involved evaluating the stability of a bank of the Mississippi River due to a proposed excavation to relocate an existing pipeline. The pipeline replacement was proposed to be performed using an open trench excavation within 50 feet of the levee toe, and a geotechnical stability analysis was needed to help confirm that the excavation would not impact the levee or the riverbank. Performed the levee/bank stability analysis utilizing LMVD Method of Planes.
07/17 – 11/18	Cypremort Point Wave Attenuation System, Royal Engineers, Cypremort Point Park, LA. Geotechnical Engineer. The project consisted of the proposed construction of a wave attenuation system (breakwater) at Cypremort Point State Park in St. Mary Parish, LA. The new wave attenuation system will replace a previous one that was damaged during Hurricane Rita. Manage the scope of services consisting of performing soil borings over open water, laboratory testing, and engineering analyses. Also performed engineering analyses that included considering two types of breakwater systems, a rock dike and Oysterbreak™. Engineering analyses was performed to consider both the global stability, and settlement, of both types of systems and aid in selection of the most practical/cost efficient solution.

BIDDING AND CONSTRUCTION SUPPORT STAFF

Firm employed by.



Name	Thomas Landry, PE		Years of relevant experience with this employer	1
Title	Senior Traffic/Transportation Engineer		Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization			BS / 1985 / Civil Engineering, LSU Baton Rouge	
Active registration number / state / expiration date			PE.0023842 / LA / Exp. 09/2026	
Year registered	1990	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Bidding/ Construction Support	
 Mr. Landry has eight years of experience as a Project Engineer with Louisiana Department of Transportation and Development (LADOTD) District 61, six years of experience as the District Construction Engineer for LADOTD District 61, and 12 years of experience as an Area Engineer with LADOTD District 62. He has experience with contract administration on asphaltic concrete overlay projects, concrete pavement reconstruction projects, interstate widening projects, and bridge replacement projects. Mr. Landry also has considerable experience in highway maintenance and operations from his tenure as a LADOTD Area Engineer.				
Experience dates Experience and qualifications relevant to the proposed contract				
10/15 – 12/18		LA 447/I-12 Interchange, LADOTD, Livingston Parish, LA. Area Engineer. Provided construction management services for LADOTD on interchange improvement project that included the construction of two roundabouts and ramp modifications. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.		
01/17 – 07/18		LA 10 Beaver Creek Bridge, LADOTD, St. Helena Parish, LA. Area Engineer. Provided construction management services for LADOTD on bridge replacement project. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.		
7/17 – 04/18		LA 447, LA 1029 – Westcoll Road Turn Lanes, LADOTD, Livingston Parish, LA. Area Engineer. Provided construction management services for LADOTD on project to add a left turn lane to LA 447 for Westcoll Road. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.		
7/14 – 12/17		LA 16, LA 22, Install Roundabout, LADOTD, Livingston Parish, LA. Area Engineer. Provided construction management services for LADOTD project including drainage improvements and roundabout construction. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.		
06/16 – 07/17		US 190, E. Baton Rouge Parish Line – W. Jct. LA 16, LADOTD, Livingston Parish, LA. Area Engineer. Provided construction management services for LADOTD project including drainage improvements, full depth patching, and asphaltic concrete overlay. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.		

07/15 – 06/17	LA 3002, LA 1034 – US 190, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, cold planning, asphaltic concrete overlay, and concrete patching. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>
11/15 – 08/16	LA 1027, E. End W. Colyell Bridge – LA 447, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, cold planning, and asphaltic concrete overlay. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>
11/13 – 01/16	I-12, Walker to 0.5 West of Satsuma, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, ramp modifications, interstate roadway and bridge widening, and median barrier. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>
06/14 – 06/15	LA 444, Gum Swamp Road – LA 22, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, base stabilization, and asphaltic concrete overlay. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>
04/13 – 12/14	US 190, W. Jct LA 63 – Tangipahoa Line, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, full depth patching, and asphaltic concrete overlay. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>
10/11 – 02/14	I-12, LA 1026 – LA 447, LADOTD, Livingston Parish, LA. Area Engineer. <i>Provided construction management services for LADOTD project including drainage improvements, ramp modifications, interstate roadway and bridge widening, and median barrier. As Construction Manager, responsibilities included overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD.</i>

Firm employed by.



Name	Jason Moore	Years of relevant experience with this employer	30
Title	Senior Roadway Maintenance Consultant	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization	HS Diploma / Floyd College & Southern Polytechnic State University		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Construction Support / Bidding		



Mr. Moore has extensive knowledge of both maintenance and construction practices and operations. His maintenance experience has provided him with a strong understanding of client needs and objectives throughout the asset and pavement management lifecycle, as well as a solid background in budget management and the ability to adjust priorities as needed. He is familiar with roadway and asphalt policies, plans, standards, details, and procedures required to address evolving project needs and understands asset lifecycles and the balance between investment levels and asset performance. Mr. Moore has the knowledge and experience necessary for the development and execution of asset investment planning through the use of various contracting mechanisms, resurfacing plans, and internal client resources.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/21 – Ongoing	ARCADIS - Maintenance, Engineering, and Inspection (MEI) On-Call, GDOT, District 7 Maintenance Office, GA. Project Engineering Consultant. Provide guidance on the maintenance of roadway assets. Assist with budget planning, personnel planning, and contract scoping. Negotiates pricing for contract modifications and contractors; supervising the preparation of reports and correspondence; and communicating with contractors. Review and research innovation of transportation / roadway related processes and new products, provide training of these processes and products. Initiated and helped develop process changes for the GDOT for identifying, reporting and repairing deficiencies to guardrail systems.
07/ 15– 01/21	GDOT, District 7 Maintenance Office, GA. Maintenance Manager. Managed daily operations for all District maintenance activities, including supervising employees, administering contracts and personnel matters, developing operational budget , responding to maintenance issues, coordinating emergency maintenance concerns and project activities , managing shop and equipment operations, and interpreting policies, objectives, and priorities.
08/03 – 07/15	GDOT, District 6 Maintenance Office, GA. Assistant Area Engineer / Assistant District Maintenance Engineer. Assisted in the daily maintenance operations, including supervising employees, administering personnel issues, coordinating maintenance projects and emergency response activities , establishing long- and short-term objectives, prioritizing departmental repair and maintenance projects , and managing shop and equipment operations.
07/00 – 07/03	GDOT, District 6 Maintenance Office, GA. Construction Project Engineer and Construction Team Leader. Managed daily activities for complex construction projects , including supervising employees, administering personnel issues, training and developing staff, monitoring contractor activities, resolving issues and conflicts that arose during construction , and maintained the proper completion of projects.
01/94 – 06/00	GDOT, District 6 Maintenance Office, GA. Construction Inspector, career ladder path of various levels. Provided inspection services on construction projects to verify compliance with project plans and assist in training employees.

Firm employed by.



Name	Sam Wheeler	Years of relevant experience with this employer	5
Title	Senior Roadway Maintenance Consultant	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	BS / 1993 / Civil Engineering, Southern College of Technology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Training / Construction Support		



Mr. Wheeler brings 32 years of construction and maintenance experience to the private sector, gained through his work with the Georgia Department of Transportation (GDOT). He has extensive experience in pavement and transportation asset management, construction project management, and maintenance operations. His background includes five years as an Area Engineer, one year as an Assistant Area Engineer for Maintenance, **three years as a Construction Project Engineer**, and 14 years as a Construction Project Manager. He has managed guardrail/cable-rail installation projects. He has given GDOT-sponsored training sessions on guardrail anchorage systems and the use of a guardrail damage collection app. He was the liaison that oversaw transition from Arcadis developed guardrail damage collection app platform to the GDOT platform.

Experience Dates	Experience and qualifications relevant to the proposed contract
12/20 - Ongoing	Consultant Training: Provided pavement distress training for GDOT maintenance and construction employees and presented asset management tools for pavement preservation to MDOT. Delivered guardrail end treatment training for GDOT maintenance personnel as well a trainings for pavement preservation, traffic control, shoulder maintenance, operator, and resurfacing package field assessment training. Assisted and advised the SMO with pavement score validation, resurfacing treatment recommendations and treatment provisions, specifications, and guidelines.
01/16 – 12/20	System Change to Automated Pavement Distress Data Collection, GDOT, Atlanta, GA. Maintenance Liaison Engineer and Emergency Support Coordinator. Assisted GDOT's transition to automated pavement distress data collection and supported development of pavement management, Maintenance Rating Program, buried asset inspection, and guardrail strike systems. Developed pavement preservation training, researched current industry practices, and delivered asset management training to district maintenance leadership and field staff.
01/11 – 06/16	Area Construction and Maintenance Supervision, GDOT, Bartow, Cherokee, Fannin, Gilmer, Gordon, and Pickens Counties, GA. Area Engineer. Managed construction and maintenance staff of 30 to 60 employees across 1,588 lane miles of highway, 12 facilities and associated equipment, and two rest areas in District 6.
04/10 – 01/11	Maintenance Staff and Construction Support, GDOT, Fannin, Gilmer, and Pickens Counties, GA. Assistant Area Engineer and Maintenance. Managed maintenance and construction staff in the absence of the Area Engineer, responsible for 536 lane miles of highway and four facilities, including associated equipment, in District 6.
11/07 – 04/10	Major Construction Project Management, GDOT, District 6, GA. Construction Project Engineer. Managed large, complex construction projects and construction staff.
08/96 – 11/07	Large Construction Project Management, GDOT, Districts 6 and 7, GA. Construction Project Manager II. Managed large construction projects and construction staff.

PROFESSIONAL LAND SURVEYORS AND SURVEY STAFF

Firm employed by. 			Meets MPR No. 5
Name	Chris Ballard, PLS	Years of relevant experience with this employer	9
Title	Survey Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization	BS / 2004 / Civil Engineering / Biological Science, Southern Louisiana State University		
Active registration number / state / expiration date	PLS. 5033 / LA / Exp. 09/2026		
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities	Survey		
	Mr. Ballard serves as the Survey Manager for this project. He will work to oversee the project stays on schedule, aid in both crew coordination and office production, and provide final QC on the firm's deliverable to the Prime Consultant. Mr. Ballard 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	Experience and qualifications relevant to the proposed contract		
12/23 – 05/23	LA 347 Drainage Improvements, LA. Survey Manager. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
02/23 – 12/23	I-20 UPPR, North Louisiana, LA. Survey Manager. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.		
09/18 – 01/20	I-10 LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA. Survey Manager. 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	LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA. Survey Manager for 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. Survey Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of two 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. <i>Survey Manager.</i> In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Served as Survey 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	LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA. <i>Project Manager.</i> 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	District 62 Bridges, Livingston and Tangipahoa Parishes, LA. <i>Survey Manager</i> 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	I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA. Served as the <i>Survey Project Manager</i> 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.

Firm employed by. 			Meets MPR No. 5
Name	Madison Mills, PLS	Years of relevant experience with this employer	4
Title	Survey Project Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering		
Active registration number / state / expiration date	PLS. 5293 / LA / Exp. 03/2027		
Year registered	2022	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities	Survey		
	Mr. Mills has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.		
Experience dates	Experience and qualifications relevant to the proposed contract		
12/24 – 04/25	LA 317 - Wax Lake B., LADOTD, LA. Survey Project Manager. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
10/24 – 01/25	US 190 R Cuts @ LA741, LADOTD, LA. Survey Project Manager. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
12/23 – 05/23	LA 347 Drainage Improvements, LADOTD, LA. Survey Project Manager. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
09/23 – 12/23	LA 106, LADOTD, LA. Survey Project Manager. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.		
05/23 – 08/23	LA 685, LADOTD, LA. Survey Project Manager. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
05/23 – 08/23	LA 14 Business LADOTD, LA. Survey Project Manager. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
02/23 – 12/23	I-20 UPPR, North Louisiana, LADOTD, LA. Survey Project Manager. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.		

08/22 – 02/23	Louisiana Watershed Initiative Region 5 – Task Order 3, LA. <i>Survey Project Manager</i> this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities , and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
01/22 – 11/22	Louisiana Watershed Initiative Region 5 – Task Order 2, LA. <i>Survey Project Manager</i> this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data , creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
09/21 – 03/22	Southern University Ravine Protection, East Baton Rouge Parish, LA. <i>Survey Technician</i> for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning..
08/21 – 08/22	St. Mary Street Sidewalks; Scott, LADOTD, LA. <i>Survey Tech</i> for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked 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 will be in accordance with latest LADOTD Location and Survey standards.

Firm employed by. 

Name	Bryan Bergeron	Years of relevant experience with this employer	1
Title	Survey Technician	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS / 2022 / Civil Engineering		
Active registration number / state / expiration date	ATSSA Flagger / ATSAA Traffic Control Supervisor		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Survey and Mapping		



Mr. Bergeron serves as a Survey Technician and helps manage field crews, process field crew data and finalize deliverables.

Experience dates	Experience and qualifications relevant to the proposed contract
12/23 – 05/23	LA 347 Drainage Improvements, LADOTD, LA. Survey Technician. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project . Helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	LA 14 Business, LADOTD, LA. Survey Technician. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Helped manage crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	LA 685, LADOTD, LA. Survey Technician. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Helped manage crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 - 08/23	LA 3073, LADOTD, LA. Survey Technician. Topographic Survey for just over 4,000 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Helped survey in the field, managed crews, processed field data , created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.
08/23 – 12/23	Sauvage Avenue and Caddy Drive Bridges, LADOTD, LA. Survey Technician. Topographic Survey for just over 2160 feet of roadway. Traditional means and methods were used to collect topographic data for this bridge improvement projects. Helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.

08/23 – 12/23	Park Road Over Lagoon, LADOTD, LA. <i>Survey Technician.</i> Topographic Survey for just over 1040 feet of roadway. Traditional means and methods were used to collect topographic data for this bridge improvement project. Helped survey in the field, managed crews, processed field data, created punch-lists, and helped complete the final deliverables to the client. Project was completed to LADOTD Location and Survey Standards and practices.
05/24 – Ongoing	MOVEBR Lobdell Intersection, LA. <i>Survey Technician.</i> Topographic Survey for just over 1030 feet of roadway. Traditional means and methods are used to collect topographic data for this Property boundary survey. Help manage crews, process field data, create punch-lists, and help complete the final deliverables to the client. Project will be completed to MOVEBR City-Parish Standards and practices.
07/24 – Ongoing	MOVEBR Bayou Duplantier Boundary, LA. <i>Survey Technician.</i> Topographic Survey for 200 acres of floodplains. Traditional means and methods are used to collect topographic data for this Property boundary survey.

Firm employed by. 			Meets MPR No. 5	
Name	Mike J. King, PLS		Years of relevant experience with this employer	19.5
Title	Senior Surveyor		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2012 / Construction Management, Louisiana State University		
Active registration number / state / expiration date		PLS 5127 / LA / Exp.09/2027		
Year registered	2015	Discipline	Professional Surveyor	
Contract role(s) / brief description of responsibilities		Surveying		
		Mr. Mike King, PLS will serve as NTBA Survey Project Manager for topographic surveying services during this contract. Mike will manage field crews, file processing, drafting, and submittals. Mike has over 20 years of surveying experience. He satisfies MPR No. 6 per the advertisement.		
Experience dates		Experience and qualifications relevant to the proposed contract		
09/24 – 05/26		IDIQ Contract for Professional Boundary Surveying Services, LA (4400027918), LADOTD, Statewide. <i>Quality Control Surveyor.</i> Responsible for assisting in staffing, coordination, and team meetings for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final right-of-way mapping in support of roadway design improvements..		
08/25 – 05/26		I-20: Sam R. Fert Dr. to Red River Bridge, Caddo Parish, LA (H.016413.5), LADOTD, Caddo Parish, LA. <i>Survey Project Manager.</i> Responsible for for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and surveys in support of QL C & D subsurface utility services for interstate rehabilitation along I-20, between a point southeasterly of the I-20 & I-49 interchange and the Caddo/Bossier Parish Line.		
11/25 – 05/26		Kings Hwy: Healthcare & Development Corridor, Caddo Parish, LA (H.015724), LADOTD, Caddo Parish, LA. <i>Survey Project Manager.</i> Responsible directing field crews, file processing, drafting, and submittals for Static GPS Control surveys and topographic surveys in support of QL B, C, & D utility designating, and utility coordination services in support of rehabilitation and design for roadway reconstruction.		
01/23 – 05/26		Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779), LADOTD, Bossier & Caddo Parishes, LA. <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services.		
08/21 – 05/26		Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337), LADOTD, Districts 05, 08, & 58. <i>Assistant Project Manager</i> assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.		

04/21 – 05/26	Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338), LADOTD, Districts 02, 03, 07, 61, & 62. Assistant Project Manager. Responsible for assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacement.
08/22 – 05/26	Delta Utilities/ CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.), Various Parishes, LA. Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE , title takeoffs, boundary and right-of-way calculations, CADD drawings, and plats for maintenance and construction projects.
12/24 – 05/25	Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975), LADOTD, St. Landry, & Bienville Parishes. Project Manager. Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.
09/20 – 03/25	IDIQ Contract for Hydrographic Surveying Services, Statewide, LA (4400019715), LADOTD, Statewide, LA. Assistant Project Manager. Responsible for assisting with supervision of field crews, file processing, drafting, and submittal preparation for single beam and multibeam hydrographic surveying services and development of surface models from LiDAR data for multiple bridges at scheduled intervals upstream and downstream for 301 sites throughout southern districts.
12/17 – 11/24	I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs), LADOTD, West & East Baton Rouge Parishes, LA. Assistant Project Manager assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support SUE.
04/22 – 04/23	I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713), LADOTD, Caddo Parish, LA. Assistant Project Manager. Responsible for assisted in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
12/20 – 03/22	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713), LADOTD, Orleans Parish, LA. Assistant Project Manager assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, multibeam hydrographic survey, and surveys in support of QL C & D subsurface utility designating for bridge repair/ rehabilitation.
05/15 – 12/20	Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15), City of Bossier, Bossier Parish, LA. Quality Control Surveyor reviewed data and drafting for Static GPS Control surveys, topographic, property, single beam and multibeam hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
07/16 – 03/17	Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5), LADOTD, East Baton Rouge Parish, LA. Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.

Firm employed by. 			Meets MPR No. 5	
Name	Bryan T. Bunch, PLS		Years of relevant experience with this employer	17
Title	Senior Surveyor		Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 1988 / Survey and Land Information Systems, University of Arkansas		
Active registration number / state / expiration date		PLS 5014 / Louisiana / Exp.03/2028		
Year registered	2009	Discipline	Professional Surveyor	
Contract role(s) / brief description of responsibilities		Surveying		
		Mr. Bryan Bunch, PLS will serve as NTBA Assistant Survey Project Manager assisting in staff management, processing, and preparation of deliverables for surveying and mapping services.		
Experience dates		Experience and qualifications relevant to the proposed contract		
09/24 – 05/26		IDIQ Contract for Professional Boundary Surveying Services, LA (4400027918), LADOTD IDIQ, Statewide, LA. Assistant Survey Project Manager assisting in staffing, coordination , and QA/QC for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final right-of-way mapping in support of roadway design improvements.		
08/25 – 05/26		I-20: Sam R. Fert Dr. to Red River Bridge, LA (H.016413.5), LADOTD, Caddo Parish. Assistant Survey Project Manager assisting in staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection , and surveys in support of QL C & D subsurface utility services for interstate rehabilitation along I-20, between a point southeasterly of the I-20 & I-49 interchange and the Caddo/Bossier Parish Line.		
11/25 – 05/26		Kings Hwy: Healthcare & Development Corridor, LA (H.015724), LADOTD, Caddo Parish. Assistant Survey Project Manager assisted in staffing, coordination, and QA/QC for Static GPS Control surveys and topographic surveys in support of QL B, C, & D utility designating and utility coordination services in support of rehabilitation and design for roadway reconstruction.		
01/23 – 05/26		LADOTD Jimmie Davis Bridge (LA 511) Design-Build, LA (H.001779), Bossier & Caddo Parishes. Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys , title take-offs, description preparations, preliminary and final right-of-way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
09/20 – 05/26		LADOTD Rural Bridge Replacement Initiative Phase II, (4400019338), Districts 02, 03, 07, 61, & 62. Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements.		
08/22 – 05/26		Delta Utilities/ CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA. Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE, title takeoffs,		

	boundary and right-of-way calculations, CADD drawings, and plats for maintenance and construction projects. To date, NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.
07/23 – 05/26	IJA Off-System Bridge Program, District 62 (4400025041), LADOTD, Statewide, LA. <i>Quality Control Surveyor</i> assisted in staffing, coordination, and QA/QC for Static GPS control surveys, topographic surveys, property surveys , title take-offs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.
12/24 – 05/25	Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975), LADOTD, St. Landry, & Bienville Parishes. <i>Assistant Project Manager</i> assisted in staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.
12/17 – 11/24	I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs), LADOTD, West & East Baton Rouge Parishes, LA. <i>Survey Project Manager</i> directed field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
04/22 – 04/23	I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713), LADOTD, Caddo Parish, LA. <i>Survey Project Manager</i> directed field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
12/20 – 03/22	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713), LADOTD, Orleans Parish, LA. <i>Assistant Project Manager</i> assisted in the management of field crews and technicians for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, multibeam hydrographic survey , and surveys in support of QL C & D subsurface utility designating for bridge repair/ rehabilitation.
12/20 – 03/21	LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5), LADOTD, Natchitoches Parish, LA. <i>Assistant Project Manager</i> assisted in staffing, coordination, and QA/QC for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
05/15 – 12/20	Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15), City of Bossier, Bossier Parish, LA. <i>Quality Control Surveyor</i> supervised south LA field crews and technicians for Static GPS Control surveys, topographic, property, single beam and multibeam hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
05/16 – 06/18	LA 675 & LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 & 4400006814), LADOTD, Iberia Parish, LA. <i>Project Manager</i> directed field crews, file processing, drafting, and submittals for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL A, B, C, and D subsurface utility designating/ locating as a sub to Stanley Consultants, Inc.

Firm employed by.



Name	William Offer, PLS		Years of relevant experience with this employer	9.5
Title	Vice President		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			A.S. / Science in Surveying / Great Basin College of Nevada – Currently enrolled	
Active registration number / state / expiration date			PLS #5365 / LA / Exp. 03/31/27	
Year registered	2024	Discipline	PLS	
Contract role(s) / brief description of responsibilities			Surveying	



Mr. William Offer, PLS will serve as NTBA Quality Control Surveyor during this contract. He will oversee field operations and crew logistics for topographic and property surveys in support of right-of-way mapping and surveys in support of SUE Services.

Experience dates	Experience and qualifications relevant to the proposed contract
11/25 – 05/26	Kings Hwy: Healthcare & Development Corridor, LADOTD, Caddo Parish, LA (H.015724). QC Surveyor. Assists in staffing, coordination, and QA/QC for Static GPS Control surveys and topographic surveys in support of QL B, C, & D utility designating and utility coordination services in support of rehabilitation and design for roadway reconstruction.
01/23 – 05/26	Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779). QC Surveyor. Assists in staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support of title take-offs, title research, and preliminary and final right-of-way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River.
08/21 – 05/26	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). Field Coordinator/QC Surveyor. Overseeing field crews and data transfers for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.
04/21 – 05/26	Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338). Field Coordinator/ QC Surveyor. Overseeing field crews and data transfers for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.
01/23 – 05/26	Surveying & SUE Services, Delta Utilities/CenterPoint Energy, LA (Various Agency Proj. Nos.). Field Coordinator/QC Surveyor. Overseeing field crews and data transfers for topographic surveys, boundary surveys, right-of-way mapping, QL B subsurface utility designating services, and surveys in support of SUE for maintenance and construction projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.

12/17 – 11/24	I-10: LA 415 to Essen Lane on I-10 and I-12, LADOTD, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Survey Party Chief/ Field Coordinator/ QC Surveyor.</i> Ran a field crew, overseen field crews, and performed data management for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
04/22 – 04/23	I-20 Monkhouse to I-49, LADOTD, Caddo Parish, LA (4400017713). <i>Field Coordinator.</i> Overseeing field crews and data transfers for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.
10/21 – 02/22	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713). <i>Field Coordinator.</i> Overseeing field crews and data transfers for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, multibeam hydrographic survey, and surveys in support of QL C & D subsurface utility designating for bridge repair/ rehabilitation.

Firm employed by.



Name	Will Wales	Years of relevant experience with this employer	13
Title	Party Chief	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization	High School Diploma, 1987 ATSSA TCS		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Surveying		



Mr. Will Wales will serve as NTBA Field Operations Manager during this contract. He will supervise field operations for all surveying services.

Experience dates	Experience and qualifications relevant to the proposed contract
01/23 – 05/26	Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779). Field Operations Manager. Supervising field operations for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.
08/21 – 05/26	Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337). <i>Field Operations Manager.</i> supervising field operations for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.
04/21 – 05/26	Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Field Operations Manager.</i> Supervising field operations for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.
09/20 – 03/25	IDIQ Contract for Hydrographic Surveying Services, LADOTD, Statewide, LA (4400019715). <i>Field Operations Manager/Survey Party Chief.</i> Supervised field operations, ran a field crew, and downloaded data for single beam and multibeam hydrographic surveying services and development of surface models from LiDAR data for multiple bridges at scheduled intervals upstream and downstream for 301 sites throughout southern districts.
02/25 – 03/25	Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, LADOTD, Evangeline, St. Landry, & Bienville Parishes (4400021975). <i>Field Operations Manager.</i> Supervised field operations for Static GPS Control surveys, topographic

	surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.
12/17 – 03/24	I-10: LA 415 to Essen Lane on I-10 and I-12, LADOTD, West & East Baton Rouge Parishes, LA (H.004100.5). <i>Field Operations Manager/ Survey Party Chief.</i> Supervised field operations, ran a field crew, and downloaded data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
12/20 – 03/22	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713). <i>Survey Party Chief.</i> Ran a field crew and downloaded data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, multibeam hydrographic survey, and surveys in support of QL C & D subsurface utility designating for bridge repair/ rehabilitation.
12/18 – 01/20	LA 951: Roadway Washout Repairs, LADOTD, East Feliciana Parish, LA (H.013643). <i>Survey Party Chief.</i> Ran a field crew and downloaded data for topographic surveys, surveys in support of QL A, B, C, and D subsurface utility designating/locating, and QL A, B, C, and D subsurface utility designating/locating for road rehabilitation and bridge replacement.

Firm employed by.



Name	Belton Davis, Jr.	Years of relevant experience with this employer	7.5
Title	Party Chief	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	U.T.A. Certified Professional Utility Locator ATSSA TCT		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	Surveying; Subsurface Utility Engineering and Utility Relocation		



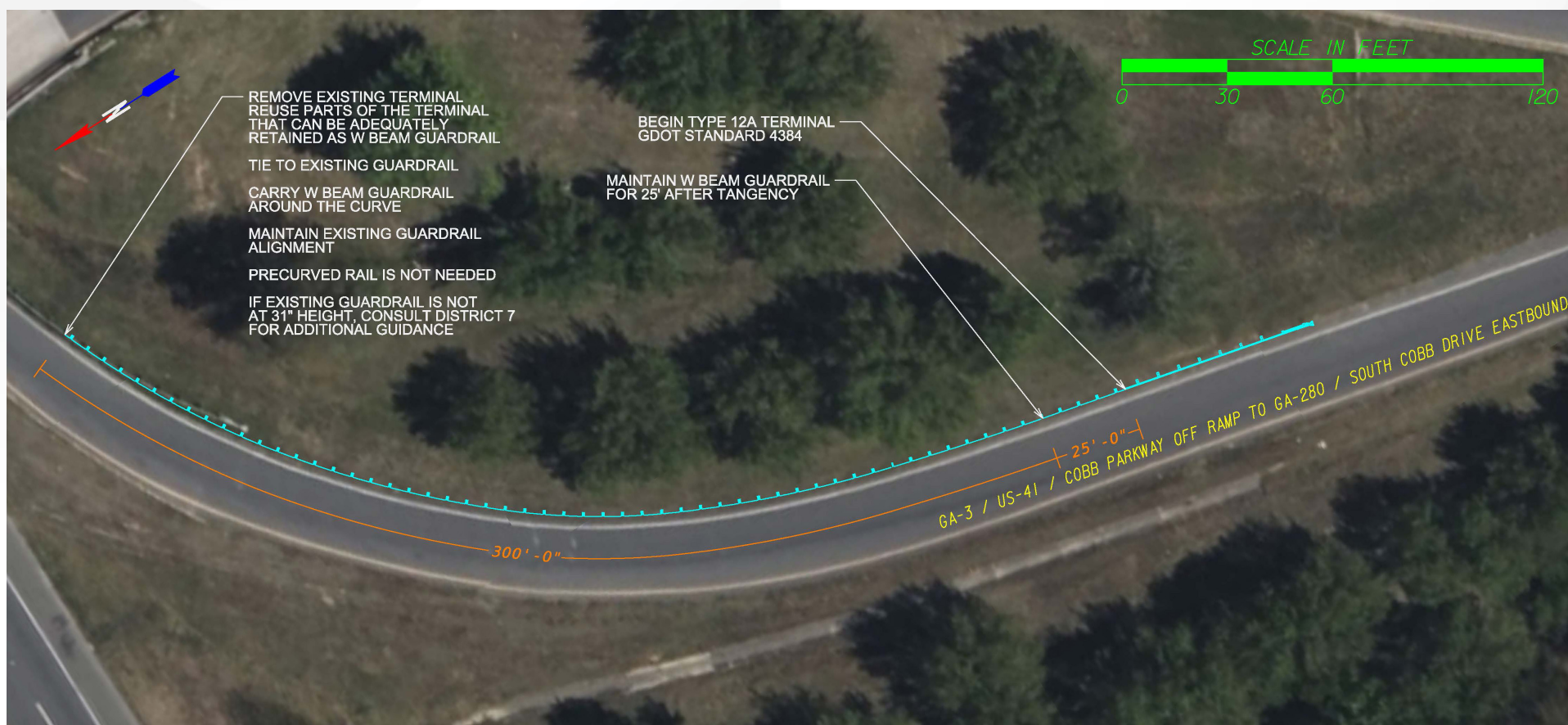
Mr. Belton Davis will serve as an NTBA Survey/ SUE Party Chief during this contract. He will lead a field crew and download data for survey and SUE services.

Experience dates	Experience and qualifications relevant to the proposed contract
09/24 – 05/26	IDIQ Contract for Professional Boundary Surveying Services, LADOTD, LA (4400027918). <i>Survey Party Chief.</i> Running a field crew and downloading data for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final right-of-way mapping for roadway design improvements.
01/23 – 05/26	Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779). <i>Survey/SUE Party Chief.</i> Running a field crew and downloading data for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support of title take-offs, title research, preliminary and final right-of-way mapping, and QL A, B, C, & D utility designating/ locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.
07/23 – 05/26	IIJA Off-System Bridge Program, LADOTD, District 62 (4400025041). <i>Survey/SUE Party Chief.</i> Running a field crew and downloading data for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.
09/22 – 05/26	Surveying & SUE Services, Delta Utilities/ CenterPoint Energy, Various Parishes, LA (Various Agency Proj. Nos.). <i>Survey/SUE Party Chief.</i> Running a field crew and downloading data for topographic surveys, property surveying services, surveys in support of SUE, title research, title take-offs, boundary and right-of-way calculations, and reviews of CADD drawings and plats for maintenance and construction projects.
06/18 – 10/24	I-10: LA 415 to Essen Lane on I-10 and I-12, LADOTD, West & East Baton Rouge Parishes, LA (H.004100.5). <i>Survey/SUE Party Chief.</i> Ran a field crew and downloaded data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
10/21 – 11/23	Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337). <i>Survey/SUE Party Chief.</i> Ran a field crew and downloaded data for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser

	Scanning methods of data collection, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.
05/21 – 08/23	Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Survey/SUE Party Chief.</i> Ran a field crew and downloaded data for Static GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, and property surveys in support of title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.
09/21 – 02/22	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713). <i>Survey/SUE Party Chief.</i> Ran a field crew and downloaded data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, multibeam hydrographic survey, and surveys in support of QL C & D subsurface utility services for bridge repair/ rehabilitation.

SECTION 17

Our initial engineering review identifies design complexities and streamlines field reviews. Our experienced designers know LADOTD policies and standards and know how to adapt them to existing roadway conditions, such as tying guardrail in with historic bridge structures or adjusting rail length to fit space requirement for MASH standards.



Design

17 FIRM EXPERIENCE:

Firm name	 ARCADIS	Past Performance Evaluation Discipline(s)*	Other (Asset Management), Data Collection
Project name	GDOT Guardrail End Treatment Inventory and Inspection Program		Firm responsibility (prime or sub?) Prime
Project number	TOOMT2201060	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Statewide, Georgia	Owner's Project Manager	Brandon Clayton
Owner's address, phone, email	600 W Peachtree St NW, Atlanta, GA 30308; 404 631 1397, bclayton@dot.ga.gov		
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost (\$1,000's)	\$4,337
Services completed by this firm (mm/yy)	01/25	Cost of consultant services provided by this firm (\$1,000's)	\$3,885

Firm Members Involved: Tony Hendon, Walker Marshall, Ryan Anderson, Pete Estes, Tim Black, Ryan Bowman, Keith Dunlap, William Douglass, Daniel Jamison

Firms Role: The Arcadis team partnered with Georgia Department of Transportation's State Maintenance Office to deliver on its' mission to "develop and maintain all state and federal roadways in the U.S. state of Georgia, and to deliver a transportation system focused on innovation, safety, sustainability and mobility." *Arcadis developed the Guardrail End Treatments Inspection and Inventory manual to outline procedures for inventorying and inspecting Guardrail End Treatments along GDOT's roadways.* The program is used in conjunction with an Application User Manual. Guardrail End Treatments are located at the beginning or end of a length of Guardrail and are intended to absorb energy and protect the motorist in the case of an accident. As such, these are a critical safety assets and data collected during this inventorying program brings a high amount of value to the Department.

This Program was designed to give GDOT a detailed inventory of the End Treatments. End Treatments were *inventoried and inspected using the End Treatment Inventory and Inspections Application*, which contains functionality to log new locations of End Treatments, take photos of the asset and perform an inspection by filling out detailed condition and installation questions in an Inspection Form. All data was collected accurately and completely in the application as data from this program is being used by GDOT management to prioritize maintenance and replacement of End Treatments. This Inventory and Inspection Program covered all state roadways, which are sectioned by Counties and assigned to inspectors. Once a section is assigned to the inspector, it is their responsibility to locate, inventory and inspect all End Treatments in their assignment. The information is reported to the Department in a timely manner via reports and dashboards so they can understand the condition of the End Treatments on their network.

Through this program, Arcadis inspected and *inventoried and inspected over 70,000 end treatments* across GDOT's network. Approximately *1,500 installation issues and 3,400 damaged end treatments were identified and prioritized for immediate resolution* through both contract forces and internal maintenance resources. The program also helped GDOT identify the need for more consistent maintenance training, which led to development of a *comprehensive guardrail end treatment maintenance training program*, including a "Guardrail Garden" installation training area and development of installation checklist worksheets. Based on the success of this effort, GDOT has established *ongoing reinspection programs* to continue monitoring end treatment performance. The Maintenance Department is also using this program *to collaborate with Traffic Safety Operations and Office of Design Policy to develop large-scale end treatment upgrade projects to remove outdated systems.*

Relevant Services

- Data Acquisition and Verification
- Field Review and Retrofit Determination
- Guardrail Prioritization and Risk Analysis
- Cost Estimation and Scenario Planning
- Reporting and Procedure Development
- Training Development and Delivery



17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Road, Traffic, Planning
Project name	IDIQ for Safety Studies	Firm responsibility (prime or sub?)	Prime
Project number	4400004404	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Statewide, LA	Owner's Project Manager	Adriane McRae
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1950, adriane.mcrae@la.gov		
Services commenced by this firm (mm/yy)	08/14	Total consultant contract cost (\$1,000's)	\$1,250
Services completed by this firm (mm/yy)	03/21	Cost of consultant services provided by this firm (\$1,000's)	\$1,085

Firm Members Involved: Akhil Chauhan, Ari Deitch, Max Aguirre, Garret Keller, Meredith Guidry, Justin Maderia

Firms Role: Arcadis performed traffic and safety projects to identify countermeasures and evaluate project feasibility

I-49 Interchange Safety Improvements Task Order, Lafayette Parish

- Collected traffic count data and conducted traffic analysis for existing and future years. Analysis utilized Vistro and Sidra software. Developed optimized signal timing plans.
- Reviewed crash reports and conducted historical crash analysis to identify safety deficiencies.
- Developed alternatives that seek to address operational and safety needs along I-49 and at interchange locations.
- Provided Stage 0 Documentation including **Preliminary Scope and Budget** and Environmental Checklists.

Joe Sevario/Roddy Road Intersection Evaluation Task Order, Ascension Parish

- Collected traffic and pedestrian count data along the corridor to determine existing operating conditions.
- Field investigation** of potential construction obstacles, location of existing utilities (public and private), location of existing right-of-way markers, and mapping of existing drainageways and drainage patterns.
- Analyzed different intersection control options – unsignalized channelized turns, J-turns, signal, roundabouts.
- Developed preliminary geometric layouts and cost estimates for potential safety improvements. The **cost estimates included costs associated with engineering, environmental, construction, right-of- way acquisition/ relocation, utility relocation, and contingencies.**

Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments Task Order; East Baton Rouge Parish

- Developed safety action plan that identified 10 locations with highest risk of pedestrian and bicycle crashes.
- Conducted Road Safety Assessments using a multi-disciplinary team of transportation engineers.
- Developed safety countermeasures to address operational and safety needs.
- Coordinated closely with LADOTD, District, and Stakeholders to develop context sensitive solutions.

Relevant Services

- Crash History & Safety Analysis
- Traffic Modeling
- Traffic Signal Improvements
- Data Collection
- Corridor and Intersection Studies
- Pedestrian & Bicycle Improvements
- Alternative Development
- Conceptual Drawings
- Construction Cost Estimates
- Predictive Safety Analysis



Figure: Proposed short-term safety improvements at I-49/Veterans Drive

17 FIRM EXPERIENCE:

Firm name			Past Performance Evaluation Discipline(s)*	Data Collection, Other (Asset Management), Traffic, Road, Bridge
Project name	Traffic Safety Design Services (Including Guardrail Upgrades)		Firm responsibility (prime or sub?)	Prime
Project number	TOOTO2202206	Owner's name	Georgia Department of Transportation (GDOT)	
Project location	District 3 and 6, Georgia		Owner's Project Manager	Ron Knezevich
Owner's address, phone, email	935 United Avenue SE Bldg. 24, Atlanta, GA 30316, 470 487 4380, rknezevich@dot.ga.gov			
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)		\$25,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$25,000

Firm Members Involved: Jody Peace, Jonathan Wallace

Firm's Role: Since 2016, Arcadis has supported GDOT's Safety Program through traffic safety design, safety screening, risk assessment, project prioritization, and safety improvement implementation.

Our team has provided a sustained continuity momentum through the program's evolution. Through regular collaboration with D3, D6, TMC, OPD, and other stakeholders, we work together to identify high risk locations and develop solutions that **meaningfully improve safety outcomes**. Our work has included delivering backlogged projects and identifying the highest risk locations based on historical crashes. It also included prioritizing key risk emphasis areas, systemic improvements, and innovative approaches that support a more streamlined program aligned with the Safe System Approach.

Arcadis has helped GDOT advance high value safety projects by **streamlining risk identification early in the project development and defining a clear scope for improvements that minimizes scope-creep during design**. Our team has screened more than 400 intersections and 25 corridors, resulting in 63 TE Studies and 35 PDPs. We have also completed 28 RSA reports, 9 historical reviews, and recommendations for 37 corridors, supporting safety reviews and stakeholder engagement.

Systemic improvements include the delivery of more than **29 miles of guardrail improvements** across I-75, SR 1, and SR 20. These guardrail projects **upgraded existing guardrail and end treatments at 7 high risk locations, bringing facilities to standard heights and MASH compliance**. The plans were packaged into large contracts and let for bidding, with construction completed in calendar years 2022 and 2023. These outcomes were driven by our **data-focused screening and validation process, which prioritizes locations with the highest benefit-cost potential** and evaluates crash patterns, project overlaps, environmental risks, ICE, and conceptual costs. This approach directs resources to impactful projects and addresses risks early.

For project delivery, we work alongside OPD, maintenance, and the TMC. Our team has collaborated with GDOT to develop the scope for Menu of Service Design (MOSD), which helps to deliver projects quickly and streamlines the PDP process for low impact projects. With proven success, we have delivered rumble strip improvements, wrong way driving improvements, and AWSC improvement projects **within 9 months of NTP to address safety concerns quickly and efficiently**.

Arcadis' integration with GDOT enables direct coordination with OTD, Planning, and Maintenance to support the Safety Office. We prepare and submit signal permits through GPAS for district projects and evaluate safety software such as Michelin Near Miss and Abley SafeRoads/SafeCurves to enhance roadway safety. Innovation drives the Safety Program's evolution. Arcadis has focused on identifying innovative solutions for programmatic challenges and best practices to maintain GDOT's leadership in safety.

Relevant Services

- Traffic Safety Design Services including Guardrail Design.
- Safety Screening and Risk Identification
- Traffic Engineering (TE) Studies
- Historical Crash Analysis and Safety Review
- Corridor Safety Evaluations and Recommendations
- Systemic Safety Improvement Planning
- Benefit-Cost Evaluation and Project Prioritization

Firm name			Past Performance Evaluation Discipline(s)*	Road, Bridge, Other (Drainage), Traffic, Planning, ITS, Environmental
Project name	Guardrail & Barrier Design - I-10 Calcasieu River Bridge P3 Project		Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Lake Charles, Louisiana		Owner's Project Manager	Paul Vaught
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, Louisiana 70804-9245, 225 379 1133, Paul.VaughtIII@LA.GOV			
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)	\$125,000	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$25,000	

Firm Members Involved: Akhil Chauhan, Jose L Rodriguez, Ari Deitch, Eric Kalivoda, Victor Sanchez, Osama Shahawy

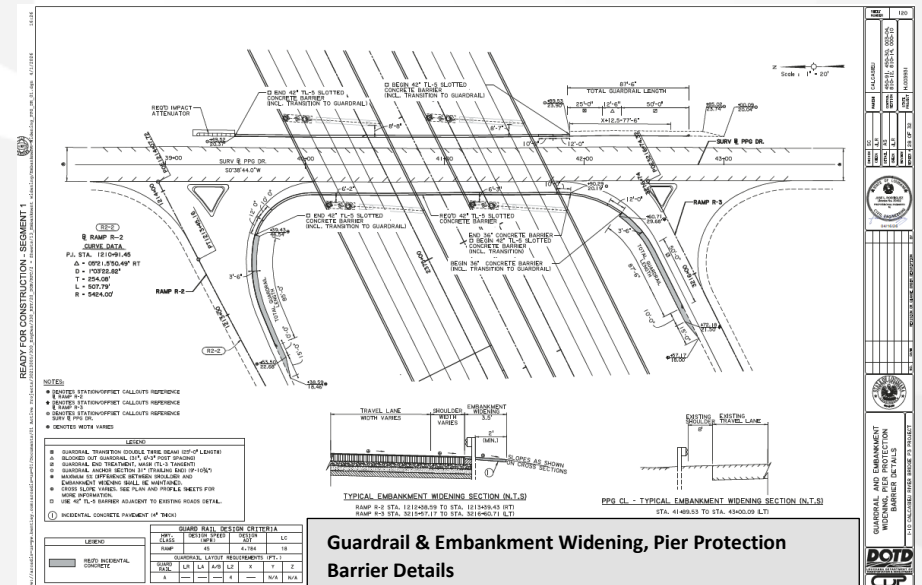
Arcadis provided a range of design and engineering services for the project that include roadway and drainage design, bridge design, traffic engineering, safety, ITS design, and environmental permitting. As part of the design, Arcadis evaluated and designed roadside barriers to protect drivers from hazards like fixed objects, bridge approaches, embankments, drainage structures, and other obstacles, all while following current roadway design standards. Our responsibilities included identifying locations requiring roadside protection through application of clear zone principles and roadside safety analysis, determining appropriate lengths of need, **establishing guardrail limits, designing approach transitions, and coordinating guardrail layouts with roadway geometry**, drainage features, retaining walls, utilities, bridge elements, signing, and pavement markings. Special attention was given to maintaining continuity of roadside protection while minimizing impacts to existing infrastructure and construction staging.

Our design was based on the latest DOTD Engineering Directives and Standards Manual (EDSM), Standard Plans, and Road Design Manual. All guardrail systems met the Manual for Assessing Safety Hardware (MASH) requirements set by DOTD, so the safety hardware passes current crash tests. When needed, we also used the **AASHTO Roadside Design Guide for hazard assessment, clear zone checks, barrier placement, terminal selection, and risk reduction**. We coordinated pavement markings and traffic control devices with the Manual on Uniform Traffic Control Devices (MUTCD) to ensure a complete and consistent safety solution.

In our design process, we assessed roadside hazards, decided whether to use barriers or remove hazards, **chose the right guardrail system for the road, calculated the needed guardrail length, picked terminal treatments, and checked offsets, flare rates, grading, and deflection**. We also reviewed bridge approaches, medians, drainage crossings, utility conflicts, driveways, and intersections to make sure each installation offers the right protection and can be built and maintained easily. Along with full construction plans, our team created detailed plan sheets, layout tables, quantity lists, special details, specifications, and cost estimates needed for a successful project. We worked closely with roadway, drainage, structural, geotechnical, and utility teams during design to make sure guardrail systems fit with all project parts and meet current DOTD standards.

Relevant Services

- Guardrail Design
- Barrier Design
- Roadway Design
- Bridge/Structural Design
- Drainage Design
- Construction Quantities
- Pavement Marking Design
- Traffic Engineering
- Maintenance of Traffic
- Construction Support



17 FIRM EXPERIENCE:

Firm name			Past Performance Evaluation Discipline(s)*	Other (Asset Management), Data Collection
Project name	GDOT Guardrail Strike Application			Firm responsibility (prime or sub?) Prime
Project number	TOOMT2201318	Owner's name	Georgia Department of Transportation (GDOT)	
Project location	District 7, Georgia		Owner's Project Manager	Brandon Clayton
Owner's address, phone, email	600 W Peachtree St NW, Atlanta, GA 30308; 404 631 1397, bclayton@dot.ga.gov			
Services commenced by this firm (mm/yy)	06/18	Total consultant contract cost (\$1,000's)		\$1,200
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$1,200

Firm Members Involved: Tony Hendon, Walker Marshall, Ryan Anderson, Pete Estes, Tim Black, Keith Dunlap, William Douglass, Daniel Jamison

Firms Role: Arcadis was selected to be the MEI contractor for GDOT's District 7 Maintenance Division in Metro-Atlanta. Arcadis provided staff augmentation services that identified a need for better tracking and report of guardrail damages and repair performed by guardrail maintenance contractors. Arcadis responded to this need by providing field staff, office reviewers and application development to build an asset management approach to maintaining cablerails, attenuator and guardrails, including end treatments.

Through our maintenance operations knowledge and digital delivery approaches, Arcadis designed and implemented the Guardrail Strike App. The application is a mobile and web based GIS solution that enables users to immediately map and log damage located in the field, review and assigned damaged locations via web application to Contractors, receive repairs and pay items from Contractors in an automated workflow, and **track and validate repairs through a mobile application to ensure repairs meet GDOT and Manufacturers specifications**. Arcadis also provides field and office reviewers who have become guardrail experts through hands on support for this application.

The **District 7 Strike application was such a success that it was adopted by GDOT's GIS Department and implemented for the entire state**. Arcadis continues to support the statewide application, including training videos and hosting training sessions, supporting changes to the applicatoin based on ammendments to On Call Guardrail Maintenance Contracts and consulting to ensure the contracts include services maintenance operations requires. Arcadis has also integrated the Guardrail End Terminal Inventory from GDOT SMO End Treatment Inspection Program to **provide a full life cycle asset management solution for guardrails end treatments**. With this data, GDOT is able to log strikes and repairs against specific guadrails, end treatements, cablerails and attenuators and update the asset in the source GIS inventory.

Through implementation of the Guardrail Strike Application, **Arcadis was able to perform a hot spot analysis to identify recurring attenuator strikes with significant recurring costs to the District..** We consulted with the District and contracted vendors to replace 12 frequently struck locations with a more resilient attenuator. This saved the District \$200,000 the first year and an ROI of more than \$5 million in a 10-year time span. The application has also enable the Maintenance Department to identify hotspots and collaborate with Traffic Operations retrofit locations to alternative solutions, including replacing guardrail with concrete barriers. The Guardrail Strike Application success was **also instrumental within the Districts Level of Service with a documented reduction in structural guardrail deficiency of 20% within a year.**

Relevant Services

- Construction Services
- Database Management
- Application Development
- Data Analysis
- Field Review and Inspections
- Training



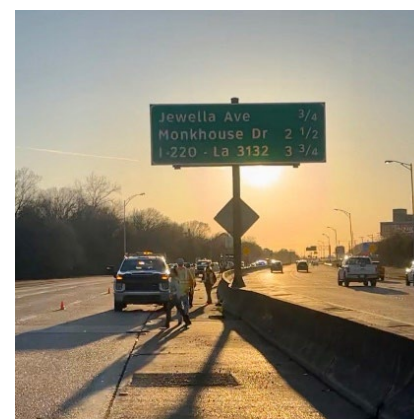
17 FIRM EXPERIENCE:

Firm name			Past Performance Evaluation Discipline(s)*	Survey, Other (SUE)
Project name	I-20: Monkhouse to I-49, Route I-20			Firm responsibility (prime or sub?) Prime
Project number	4400017713/ H.010468.5	Owner's name	LADOTD	
Project location	Caddo Parish, LA	Owner's Project Manager	Mr. Barrett Smith, PLS	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1133, barrett.smith@la.gov			
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)	\$1,355	
Services completed by this firm (mm/yy)	04/23	Cost of consultant services provided by this firm (\$1,000's)	\$1,355	

Firm Members Involved: Mike King, Bryan Bunch, Belton Davis, William Offer, Will Wales

Firms Role: NTBA performed Static GPS Control, topographic surveying services utilizing RTK and conventional surveying and HDS 3D Terrestrial Laser Scanning, Traffic Control, and QL C & D subsurface utility investigation for interstate rehabilitation. NTBA also prepared a drainage map. This **project was one of the largest topographic surveys NTBA has ever been a part of.** It consisted of **4.89 miles of interstate, 2.35 miles of side streets, and a drainage area of approximately 990 acres.** Surveys and utility investigations were performed along I-20 beginning approximately 4,200 ft. southwest of the intersection of Monkhouse Dr. and I-20 and proceed in a northeasterly direction along I-20 ending at the westerly end of the I-20/I-49 interchange. Areas include Monkhouse Drive, Jewella Avenue, Hearne Avenue, Greenwood Road, Texas Avenue, Kings Hwy, and Lakeshore Drive.

NTBA managed Mobile Laser Scanning Services of hard surfaces along the route. NTBA performed data extraction of mobile scan data for incorporation into Inroads and for Point Cloud delivery. LADOTD's project schedule had an allowable duration of 365 days, but NTBA completed in 359 days with one minor comment. This effort took 3,999 field crew hours, 3,448 CADD hours, and 2,250 PLS hours. There **were over 70,000 points for the topographic survey and over 1,500 drainage structures surveyed for the drainage map.** The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverable for the project. All services were completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.



17 FIRM EXPERIENCE:

Firm name			Past Performance Evaluation Discipline(s)*	Survey, Other (SUE)
Project name	Kings Hwy: Healthcare & Development Corridor			Firm responsibility (prime or sub?) Sub
Project number	H.015724	Owner's name	LADOTD / City of Shreveport	
Project location	Caddo Parish, LA	Owner's Project Manager	Mrs. Elba Hamilton, PE	
Owner's address, phone, email	3003 Knight Street, Suite 120 Shreveport, LA 71105, 318 425 7452, ehamilton@afjmc.com			
Services commenced by this firm (mm/yy)	11/25	Total consultant contract cost (\$1,000's)	\$249	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$249	

Firm Members Involved: Mike King, Bryan Bunch, Belton Davis, William Offer, Will Wales

Firms Role: NTBA is performing QL B, C, D subsurface utility designation services, utility coordination, and survey services as a sub-consultant to AFJ&M and providing topographic surveying services as a sub-consultant to Forte & Tablada. These efforts support rehabilitation and design activities for roadway reconstruction, pedestrian facility improvements, bicycle accommodations, traffic signal upgrades, highway lighting improvements, utility relocations, and public transit route enhancements.

In addition, NTBA is **performing topographic surveying services for three intersections**. Survey tasks include collecting drainage and sanitary sewer structure inverts within the survey limits and documenting all required topographic features. All survey work is being completed in accordance with the current LADOTD Location and Survey Manual, which specifies detailed procedures, styles, and methodologies.

Preliminary SUE research has already begun. NTBA has initiated QL D records research to identify utility owners and determine the presence of utilities within the project limits. Early data collection includes obtaining utility information from One Call notifications and utility companies, as well as reviewing construction plans, maps, and field notes. This information is being compiled into a GIS database to support upcoming field investigations and utility coordination activities.

As part of the ongoing SUE effort, NTBA is preparing the online GIS map and Survey123 form for use with Field Maps. Following this preparatory work, NTBA will conduct QL B utility designating using electromagnetic and ground-penetrating radar methods to identify and mark the approximate horizontal location of underground utilities. Designating results will be documented in a 2D MicroStation file, incorporated into the GIS map, and used to develop a Utility Conflict Matrix to identify potential conflicts with proposed improvements.



Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	Rural Bridge Replacement Initiative Phase II			Firm responsibility (prime or sub?) Sub
Project number	4400019338	Owner's name	LADOTD Baton Rouge/ Waggoner	
Project location	Districts 02, 03, 07, 61, & 62		Owner's Project Manager	Mr. Robert J. Lear, Jr., PE, LS
Owner's address, phone, email	10305 Airline Highway, Baton Rouge, LA 70816, 225 298 0800, rlear@sigmacg.com			
Services commenced by this firm (mm/yy)	09/20	Total consultant contract cost (\$1,000's)		\$1,351
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$2,500

Firm Members Involved: Mike King, Bryan Bunch, Belton Davis, William Offer, Will Wales

Firms Role: NTBA is performing GPS Control surveys, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, property surveys, title take-offs, legal description preparation, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements throughout South Louisiana. **Topographic surveying** includes surveying of all sub-surface drainage structures, 200 feet upstream and downstream with cross-sections every 50 feet along channels, deck gutter lines, centerline of joints, low chord elevations, bent locations, and right-of-way 800 feet either side of the structure. Subsurface utility engineering services include QL C and QL D utility mapping. NTBA produced electronic topographic drawings in MicroStation depicting all utility and topographic information. Data was provided to the engineering consultant for incorporation into their hydraulic model being utilized to evaluate the system.

Boundary **surveying has been performed for 15 bridges including bridge barrier, applicable guardrail with end treatments with approximately 50 parcels.** Services include surveying of each parcel affected by either construction servitude or additional right-of-way requirements as well as production of property survey submittal, preliminary and final right-of-way maps, and parcel descriptions. All services are being completed in accordance with the Location and Survey Manual Addendum A and all currently accepted Location and Survey Automated procedures.



17 FIRM EXPERIENCE:

Firm name		Past Performance Evaluation Discipline(s)*	Survey
Project name	I-20 UPRR Overpass		Firm responsibility (prime or sub?) Sub
Project number	H.012027.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Shreveport, LA	Owner's Project Manager	Thomas Gattle (Huval & Assoc.)
Owner's address, phone, email	922 W. Point Des Mouton Rd., Lafayette, LA 705007, 337 234 3798, tgattle@tgattle@huvalassoc.com		
Services commenced by this firm (mm/yy)	01/23	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm (\$1,000's)	\$281

Firm Members Involved: Karla Weston, Christopher Ballard, Madison Mills, Clarence Goodspeed

Firm's role: CD&C, Inc. was a sub-consultant on this project. CD&C, Inc. performed *a full topographic beginning and ending 5000 feet* beyond either end of the approach slab of the I-20 eastbound and westbound bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails. The survey total distance was 2.03 miles with a width of approximately 350 feet. This included 1 mile along Highway 79 with a width of 300 feet.

CD&C *completed a topographic along this route.* The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. Final submittal was in accordance with latest LADOTD Location and Survey standards.



17 FIRM EXPERIENCE:

Firm name		Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 317 - Wax Lake B		Firm responsibility (prime or sub?) sub
Project number	H.014824.5	Owner's name	Department of Transportation and Development (DOTD)
Project location	St. Mary Parish, LA	Owner's Project Manager	Adam Fields
Owner's address, phone, email	700 Main Street Baton Rouge, LA 70802, 225 387 2422, FieldsAdam@stanleygroup.com		
Services commenced by this firm (mm/yy)	12/24	Total consultant contract cost (\$1,000's)	N/A
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm (\$1,000's)	\$162

Firm Members Involved: Karla Weston, Madison Mills, Chancey Cothren, CJ Goodspeed

Firms Role: The scope of work consists of providing a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to **LADOTD Location and Survey Standards and practices.**

CD&C was a sub-consultant on this project and was responsible for a **complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map** to LADOTD Location and Survey standards.

The survey started 1.60 miles south of the intersection of LA 317 and US 90. The survey continued along US 90 for 2.3 miles north of the intersection of LA 182. The width of the survey was five feet behind the right of way to the apparent right of way of all crossing streams, canals, and 500 feet from any drainage structure.



17 FIRM EXPERIENCE:

Firm name		Past Performance Evaluation Discipline(s)*	Survey
Project name	Verot School Road	Firm responsibility (prime or sub?)	sub
Project number	H.011235	Owner's name	DOTD
Project location	Lafayette, LA	Owner's Project Manager	Thomas Gattle
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)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$435

Firm Members Involved: Karla Weston, Christopher Ballard, Madison Mills

Firm'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. 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 existing right of way linework for the prime consultant to use for exhibits for the project. In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail. CD&C also performed all phases of **ROW mapping**.

Project Description: 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. This included a complete **topographic survey of all utilities with depths, drainage and finished floor elevations** of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project. CD&C was supplemented in 2023 to complete ROW mapping phases including property survey through final **ROW maps**.



SECTION 18

Through the GDOT Traffic Safety On Call, we've already delivered major construction projects on a scale comparable to what LADOTD is requesting—so we know what it takes to succeed. Also, we build our contracts to serve multiple departments and contractors by embedding end treatment IDs for seamless inventory updates and including GPS-coordinates so crews know exactly where each replacement is located.

		8/6/2023				
		Page 1 of 1				
Contract ID: B1CBA2302477-0		Project(s): 0019031				
Awarded Vendor: 20H750						
SECTION 0001 ROADWAY		\$12,465,905.00				
Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0005	150-1000					
	TRAFFIC CONTROL - 0019031	LUMP SUM				1,875,000.00
0010	158-1000	2,000.000				
	TRAINING HOURS	HR	0.80			1,600.00
0015	610-1055	176,725.000				
	REM GUARDRAIL	LF	6			1,060,350.00
0020	610-1075	401.000				
	REM GUARDRAIL ANCH, ALL TYPES	EA	450			180,450.00
0025	641-1100	1,377.000				
	GUARDRAIL, TP T	LF	102.50			141,142.50
0030	641-1200	87,675.000				
	GUARDRAIL, TP W	LF	36.50			3,200,137.50
0035	641-2100	73.000				
	DBL FACED GUARDRAIL, TP T	LF	175			12,775.00
0040	641-2200	87,600.000				
	DBL FACED GUARDRAIL, TP W	LF	51			4,467,600.00
0045	641-5001	186.000				
	GUARDRAIL ANCHORAGE, TP 1	EA	2350			437,100.00
0050	641-5015	199.000				
	GUARDRAIL TERMINAL, TP 12A, 31 IN, TANGENT, ENERGY-ABSORBING	EA	4250			845,750.00
0055	641-6005	16.000				
	GUARDRAIL TERMINAL, TP 10D, 31 IN	EA	15250			244,000.00
Total Bid:						\$12,465,905.00



End Treatment ID	Location	Route	Roadway	Direction	Side of Road	District	Area	County	Milepost	Lat	Long
ET_067_00300_0127	End	3	Mainline	Southbound	Left			2 Cobb	20.91666	34.05738	-84.7148
ET_067_00300_0116	Begin	3	Mainline	Southbound	Left			2 Cobb	21.99786	34.06902	-84.7255
ET_067_00300_0144	Begin	3	Mainline	Southbound	Left			2 Cobb	19.78581	34.0482	-84.6995
ET_067_00300_0141	End	3	Mainline	Southbound	Left			2 Cobb	20.01776	34.05106	-84.7016
ET_067_00300_0119	End	3	Mainline	Southbound	Left			2 Cobb	21.79626	34.06618	-84.7246
ET_067_00300_0114	End	3	Mainline	Southbound	Left			2 Cobb	22.21391	34.07205	-84.7264
ET_067_00300_0194	End	3	Mainline	Southbound	Left			2 Cobb	15.8806	34.02714	-84.6391
ET_067_00300_0180	End	3	Mainline	Southbound	Left			2 Cobb	17.28757	34.03181	-84.663

Upgrade

OVERVIEW. The Arcadis Team understands that this contract is focused on prioritizing, designing, and implementing upgrades to Louisiana's existing guardrail inventory to achieve compliance with current AASHTO MASH criteria.

Arcadis has assembled a highly qualified team of professional engineers, guardrail experts and analytics specialists complemented by NTBA for survey and Subsurface Utility Engineering (SUE) services and CD&C for survey. Led by Tony Hendon, PE, our team combines technical resources, program management experience, and lessons learned from similar DOT contracts to efficiently advance guardrail improvements from prioritization through implementation.

Our methodology is built around the process outlined in the scope, including data collection and review, prioritization methodology development, field reviews, survey and design, plan development, bidding support, and construction services. We have organized our approach into five key phases—**Review, Prioritize, Design, Upgrade, and Track & Verify**—which align with LADOTD's vision while recommending a final tracking and verification component to provide a complete asset lifecycle perspective.



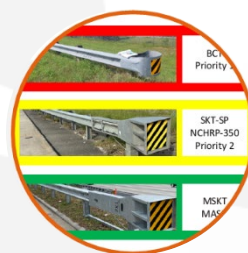
REVIEW. Successful programs begin with a clear understanding of program objectives, stakeholder expectations, and decision-making priorities. The Arcadis Team will begin this assignment with a discovery process involving LADOTD maintenance personnel and other key stakeholders to understand how they envision the program being implemented, the desired schedule and

delivery milestones, and the factors that should drive prioritization decisions. These discussions will establish a shared understanding of program goals, identify critical stakeholders, and create a roadmap for the data and resources needed to support the effort.

With those objectives established, we will conduct a data discovery and validation effort to understand the quality and availability of data. We will review the guardrail inventory, approved material lists, crash data, video logs and other datasets provided by LADOTD. Arcadis will also leverage our existing

relationships and ongoing work with other LADOTD sections, including roadway, GIS, and traffic data, to identify and acquire additional supporting information. Once assembled, all datasets will be validated for completeness, accuracy, and consistency to ensure a reliable foundation for program development.

The final step of the Review phase is the creation of a centralized project database that supports project prioritization. Inventory records will be mapped and overlaid with roadway characteristics, traffic data, crash history, and other supporting information into a single geospatial dataset. This will provide LADOTD with a reliable foundation for developing and maintaining a statewide guardrail prioritization program.



PRIORITIZE. Based on our experience supporting statewide guardrail improvement programs, the next step will be to identify the end treatments that present the greatest safety risk.

Louisiana's roadway network contains guardrail systems installed over multiple decades under evolving crash-

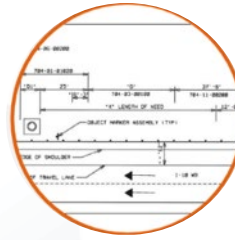
testing criteria, leading to many iterations of design standards and manufacturer requirements. Our guardrail experts have spent years documenting and interpreting this history, allowing them to correctly identify historical, non-tested end treatments. If inspections of end treatments are requested or available, our team can evaluate whether the specific hardware components are installed to manufacturer guidelines or LADOTD standards, thus determining if the end treatment is compliant.

Once compliance issues are identified, our team will work with LADOTD to determine the standard mitigation strategies that can be applied for locations. Some sites may be addressed through component replacements while others may require a complete end treatment replacement. Planning-level construction costs will be developed for each improvement type, allowing LADOTD to understand the funding required to address identified issues.

The next step would be to establish the consequence of failure for each location that requires a mitigation strategy. Factors such as roadway classification, NHS status, traffic volumes, truck percentages, speed and crash history will be used to identify the locations with the highest consequence of failure. This transparent framework will identify which end treatments should be addressed first when funding is limited.

The last step in this process would be to group the non-compliant end treatments with a high consequence of failure into a practical three-year upgrade plan that can be advanced into design and construction. Working collaboratively with LADOTD, we will perform scenario planning to evaluate multiple program delivery strategies based on available funding and agency priorities. At this point we would consider factors such as political and stakeholder priorities, design complexity and contractor mobilization costs. Examples of scenarios may include “Worst First”, “Corridor Improvements” or “Highest Value”, which would maximize the available funds to upgrade as many locations as possible in a time-sensitive manner.

The result will be a flexible three-year upgrade plan, complete with planning-level cost estimates and recommended project groupings, that provides LADOTD with a clear roadmap for advancing upgrades through design, packaging, bidding, and construction.



DESIGN. The Arcadis Team will begin design development with an engineering review of locations identified for each year of the 3-year upgrade plan. The objective of this review is to determine the appropriate scope of improvement at each site and inform field review requirements. The review will determine whether limited to end treatment or bridge end barrier replacements, warrant guardrail length modifications, or necessitate system upgrades. Our team will also evaluate what features, roadway geometry, and potential design constraints to this review, locations will be categorized by complexity and design packages.

With an initial design review completed, the staff will perform field reviews focused on collecting site-specific information needed to advance design. Reviews would be tailored to the complexity of each site and could include verification of existing inventory information, documentation of existing conditions, assessment of roadside features and drainage assets, identification of utility conflicts, and confirmation of right-of-way limitations. Locations requiring additional engineering considerations such as widening, grading modifications, drainage improvements, driveway adjustments, bridge coordination, or utility relocation will be identified in the design review and incorporated into the field review work plan.

Design development will focus on creating practical, constructible solutions that improve safety while maximizing implementation efficiency. Plans may range from concise plan sets for straightforward upgrades to more comprehensive packages for complex locations. Arcadis will prepare plans, specifications, and estimates, and supporting documents for LADOTD review, support the 60 percent and 95 percent review process, and furnish final sealed documents in accordance with established letting schedules. Throughout the process, Arcadis will maintain location-specific tracking of scope, design status, and estimated costs, providing LADOTD with a transparent way to view and track the status of the design projects.





UPGRADE. Once design development is complete, the Arcadis Team will assist LADOTD in transitioning projects into construction through the development of efficient, constructible contract packages. Our objective is to organize improvements in a manner that maximizes contractor efficiency, supports competitive bidding, and accelerates implementation without compromising safety or quality.

The contract packaging process would be based on the scenario chosen during the 3-year upgrade plan and refined by additional details such as geography, total construction cost, upgrade type, or other programmatic considerations identified. Packaging decisions will consider construction sequencing, contractor accessibility, traffic operations, and the overall objective of delivering the greatest safety benefit within available funding. The ability to bundle similar improvement locations can increase construction efficiency while simplifying administration and oversight.

During bidding, our team will support LADOTD by responding to contractor inquiries, evaluating potential plan clarifications, and developing revisions, when necessary, prior to advertisement or award.

Following construction contract award, the Arcadis Team will continue supporting LADOTD throughout construction by responding to RFIs, evaluating field conditions, assisting with change orders, and preparing plan revisions if modifications become necessary. Our objective is to provide timely technical support that keeps construction progressing while maintaining design intent and compliance with applicable standards.



TRACK & VERIFY. The final component of our methodology is a verification and asset tracking process that ensures completed guardrail upgrades are installed correctly and accurately reflected in LADOTD's inventory. Too often, construction projects are completed without a clear process for validating installation quality or updating asset records. Our approach closes that gap by linking construction verification with inventory management.

Arcadis has developed guardrail inspection checklists that consolidate key component-based requirements from manufacturer installation instructions and agency standards into a practical field tool. These checklists include photographs and criteria that allow maintenance personnel, construction inspectors, and permit staff to consistently evaluate installed end treatments and identify deficiencies before project acceptance. We have successfully used similar checklists and training programs on statewide guardrail initiatives, including hands-on training events for GDOT personnel at the Georgia Guardrail Garden. We recommend implementing a similar verification program for LADOTD to promote consistent installation and inspection practices statewide.

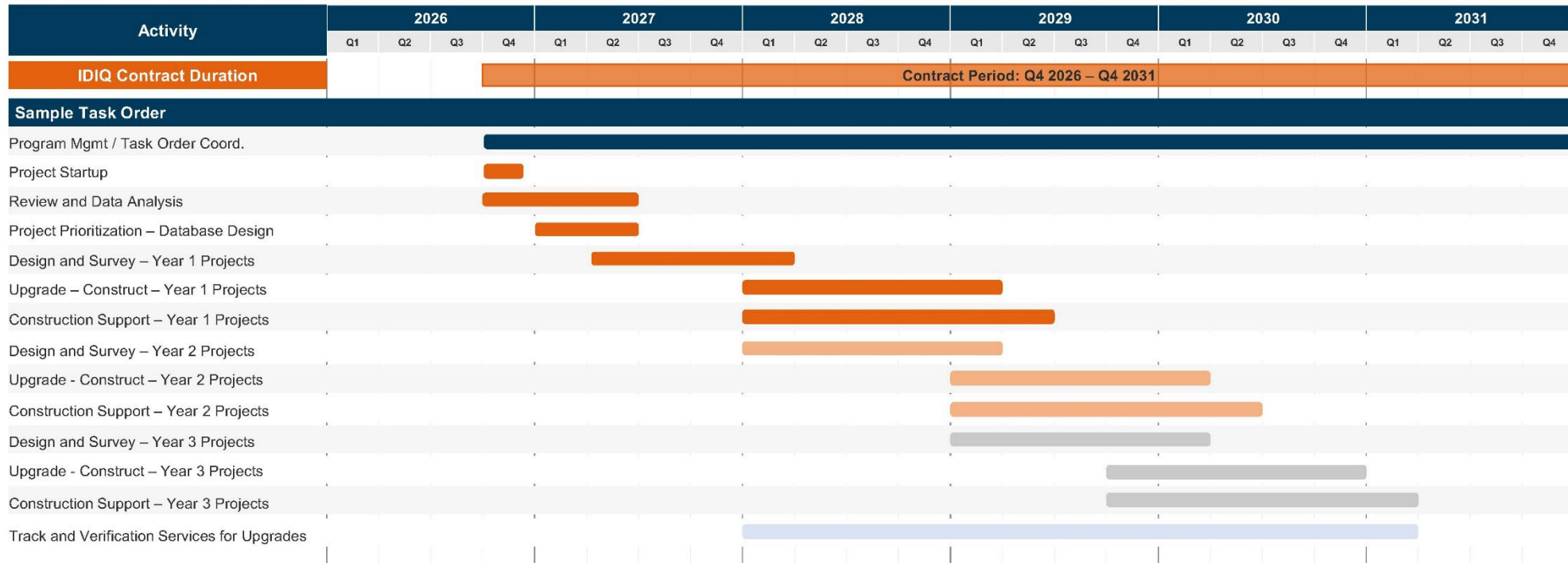
In parallel, we recommend incorporating asset tracking requirements into the contract to ensure completed upgrades are reflected in the guardrail inventory. Construction reporting can document upgrade status, installed hardware types, and project completion information. By including unique end treatment identifiers and GPS coordinates within project documentation, completed improvements can be efficiently linked back to the inventory database, providing timely updates without creating unnecessary administrative burden.

The result is a sustainable asset management approach that links installation verification with inventory updates. LADOTD will maintain a reliable record of completed improvements, support future prioritization efforts, and ensure guardrail investments deliver value.

SUMMARY. The Arcadis Team’s methodology transforms an existing inventory of guardrail assets into a prioritized, designed, constructed, and verified safety improvement program. By combining data-driven prioritization, field-based engineering judgment, practical design solutions, efficient construction packaging, and transparent tracking and verification, we will help LADOTD maximize the safety benefits of its investments while advancing a sustainable program of MASH-compliant upgrades across Louisiana.

SAMPLE IDIQ SCHEDULE: The Arcadis Team will apply a repeatable task order delivery process that begins with inventory review and risk-based prioritization. Our team will then advance each year of the 3-year upgrade plan through engineering review, field review, design, construction packaging and letting and construction support. Our value-added process for training, verification and tracking upgrade locations could be a consistent task that is developed and improved throughout the duration of the project.

LADOTD Guardrail Safety Upgrades IDIQ — Example Project Schedule



Schedule shown is illustrative. Actual task order durations will be coordinated with LADOTD based on scope, review requirements, survey needs, construction packaging, and letting schedule.

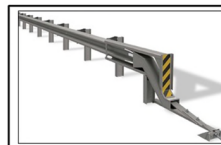
SECTIONS 19-23

We've developed extensive training materials—informed by direct manufacturer communication—to educate inspectors on how to verify correct end treatment installations. We can also leverage and enhance the existing Arcadis-developed LADOTD GIS applications to validate installation accuracy and keep your inventory up to date.



ON-SITE GUARDRAIL GARDEN TRAINING

SoftStop End Treatment Component Checklist
Date Created: 4/1/2024



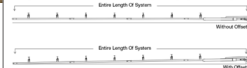
SoftStop Inspection Checklist

1. Are all rail panels straight (not curved) between Post 0 and last post (8) within the Soft Stop system?

Answer: Yes / No (circle answer)
Correct Checklist Answer: Yes

Manufacturer Checklist Item: #6
Ensure no rail panels, between Post 0 and last post within the SoftStop® System are curved. (p. 16)

Examples shown below are of a Test Level 3 (TL-3) SoftStop® System Assembly:



12:43 GPS accuracy 20 ft

Cancel Collect Submit

Guardrail Lines Collection

Length 305.51 ft

+ Add Point

Take Photo Attach

Asset Identification

GUARDRAIL ID

Unique ID for the Guardrail that is Automatically Populated.

LADOTD GUARDRAIL ID

12:40

Cancel Collect Submit

Guardrail Lines Collection

Asset Quality *

ASSET DAMAGE

Yes

No

Identify if guardrail is damaged. If the guardrail section, rails, and/or end treatments are damaged, assign Yes. If no damage, assign No.

INVENTORY DIRECTION

Populated in Post-Processing.

BLOCK MATERIAL

No Value

Material of Blocks.

BOX BEAM

Yes

No

Identifies if guardrail section consists of Box Beam.

DOUBLE SIDED RAIL

Yes

No



VERIFY



Track/Verify

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Data Collection	4400023812 / H.015377.5	Weigh Station Assessment	\$352,125
	Traffic	4400019379 /H.013797	LA 30: EBR PL – I-10	\$481,700
		4400024307 /H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	\$4,510
		4400023690 /H.015590.5	LA 494: LA 6 To Blanchard Rd	\$34,512
		4400023690 /H.016529.5	US90BUS (Broad St): Enterprise BL – I-210	\$128,352
		4400023690 /H.016380.5	LA 1024: S-Wave Ground Inlay Grooves	\$4,118
		4400017033 /H.005121	LA 1/LA 415 Connector	\$126,498
		4400025625 /H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	\$93,857
		4400024084 /H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	\$9,676
		H.003931	I-10 Calcasieu River Bridge P3 Project	\$500,000
		4400025047 /H.011358.2	US 190 (Vine Street) Reconstruction	\$57,906
		4400021325 /H.010824.1	US 71 Corridor Study	\$56,430
		LTRC Project No. 26-5SS / SIO No. DOTLT1000610	Expanding Adaptive Traffic Control Systems: A Strategic Study For Louisiana's Arterial Highways	\$97,000
		4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 <i>(40% of remaining work is complete and invoiced but awaiting payment)</i>	\$868,084
	Road	4400024307 H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	\$2,883
		4400017033 / H.005121	LA 1/LA 415 Connector	\$309,701
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Road Task Orders	\$10,377
		H.003931	I-10 Calcasieu River Bridge P3 Project	\$200,000
	ITS	4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 <i>(40% of remaining work is complete and invoiced but awaiting payment)</i>	\$276,209



		4400026457 / H.013868.5	ITS MGMT, OPERATIONS, & MAINT	\$217,962
		4400026457 / H.013868.6 (A)	ITS MGMT, OPERATIONS, & MAINT	\$107,689
		4400026457 / H.013868.6 (B)	ITS MGMT, OPERATIONS, & MAINT	\$149,134
		H.003931	I-10 Calcasieu River Bridge P3 Project	\$100,000
	Environmental	4400019338 / Multiple State Project Nos	Rural Bridge Replacement Initiative Phase II	\$17,088
		4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 (40% of remaining work is complete and invoiced but awaiting payment)	\$78,917
		4400009281 /H.009932	US 80 Widening: Vancil Road to Well Road EA	\$5,343
		4400025022 /H.015498.5 Recall 102225	Park Road Over Lagoon	\$7,310
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Env. Task Orders	\$81,888
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	\$32,977
		H.003931	I-10 Calcasieu River Bridge P3 Project	\$50,000
		4400025047 /H.011358.2	US 190 (Vine Street) Reconstruction	\$5,035
		4400030714 /H.016648.1	I-12@I-55 Interchange Improvement Study	\$162,665
	Bridge	4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 (40% of remaining work is complete and invoiced but awaiting payment)	\$473,501
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Bridge Task Orders	\$12,914
		H.003931	I-10 Calcasieu River Bridge P3 Project	\$100,000
	CE&I/OV	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 (40% of remaining work is complete and invoiced but awaiting payment)	\$276,208
		4400027361 / H.011220.6, H.012901.6, H.010634.6	US 90 Engineering Support	\$248,515
		4400016923 / H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	\$192,319
		4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I)	N/A
		4400025665 / H.013482.6	I-10 WBR Queue Warning System	\$21,492

Firm(s) <u>ALL FIRMS MUST BE REPRESENTED IN THIS TABLE</u>	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
	Survey	44000029196 / H.016255.5	LA 1: WGS Riverplex RR Overp	\$142,431
		44000023923 / H.014283.5	US 90: IHNC MB Rehab (Dazinger)	\$15,028
		44000026911 / H.016659	LA 46 St. Claude Ped Safety	\$172,479
	Survey	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	\$83,810
		4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$31,554
		4400027918 / H.015721	LA 30 Roundabout, Ascension Parish	\$23,592
		4400027918 / H.012869.5	LA 182 (Univ) @ LA 723 (Renaud) Roundabout, Lafayette Parish	\$27,332
		4400027918 / H.011310	Ford Street Extension, District 61	\$8,603
	Other (SUE)	4400026587 / H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	N/A

STAFF CERTIFICATION CHART SUMMARY

Names	Firm	Relevant Certification
Tony Hendon, PE	 ARCADIS	NHI – Overview of Roadside Safety
Keith Dunlap	 ARCADIS	NHI – Overview of Roadside Safety
Daniel Jamison	 ARCADIS	NHI – Overview of Roadside Safety
William Douglass	 ARCADIS	NHI – Overview of Roadside Safety
David Ward, GISP	 ARCADIS	Geographic Information Systems Professional (GISP)
Jennifer Berthiaume, GISP	 ARCADIS	Geographic Information Systems Professional (GISP)
Cody Lemoine	 ARCADIS	Project Management Professional (PMP) Federal Aviation Administration (FAA) Remote Pilot License
Joshua Daigrepont, IMSA I	 ARCADIS	IMSA Traffic Signal Field Technician I & II
Akhil Chauhan, PE, PTOE, PTP, PMP <i>Meet MPR Nos. 1 & 2</i>	 ARCADIS	Professional Traffic Operations Engineer (PTOE) Project Management Professional (PMP) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Module 1, 2, & 3 Various Relevant NHI and DOTD Courses
Osama Shahawy, PE <i>Meets MPR No. 4</i>	 ARCADIS	FHWA – NHI Course No. 130055 Safety Inspection of In-Service Bridges
Jose Rodriguez, PE <i>Meets MPR No. 4</i>	 ARCADIS	ATSSA Traffic Control Supervisor NHI – Overview of Roadside Safety
Ari Deitch, PE, PTOE, PTP, RSP	 ARCADIS	Road Safety Professional (RSP) Professional Traffic Operations Engineer (PTOE) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor NHI - Highway Safety Manual Workshop NHI Traffic Signal Design & Operation

Names	Firm	Relevant Certification
Kester Hollier, PE, PTOE	 ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor NHI – Overview of Roadside Safety
Max Aguirre, PhD, PE, PTOE, RSP2I	 ARCADIS	Professional Traffic Operations Engineer Road Safety Professional 2I ATSSA Traffic Control Supervisor Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Justin Maderia, PE, PTOE, PTP	 ARCADIS	Professional Transportation Planner (PTP) Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Jonathan Wallace, PE, RSP	 ARCADIS	Road Safety Professional
Meredith Guidry, PE, RSP	 ARCADIS	Road Safety Professional Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Chris Ballard, PLS <i>Meets MPR No. 5</i>		ATSSA Traffic Control Supervisor ATSSA Certified Flagger
Madison Mills, PLS <i>Meets MPR No. 5</i>		ATSSA Traffic Control Supervisor ATSSA Certified Flagger
Belton Davis		ATSSA Traffic Control Technician UTA Certified Professional Utility Locator
William Wales		ATSSA Traffic Control Supervisor
Louisiana's Secretary of State (SOS) Registration Screenshots for: Arcadis U.S., Inc., Civil Design & Construction, Inc., and NTB Associates, Inc. are located at the end of this section.		



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Tony Hendon

has successfully completed

NHI Course 380079

Overview of Roadside Safety

Date: 07/10/2026

Instructional Hours: 6

Location: Web-Based Training



Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Keith Dunlap

has successfully completed

Overview of Roadside Safety

Date: 10/01/2025

Instructional Hours: 6

Location: Web-based training

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Daniel Jamison

has successfully completed

Overview of Roadside Safety

Date: 09/22/2025

Instructional Hours: 6

Location: Web-based training

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

William Douglass

has successfully completed

Overview of Roadside Safety

Date: 09/18/2025

Instructional Hours: 6

Location: Web-based training



Stacey J. Caston, Director
National Highway Institute

GIS Certification Institute

This is to certify that The Board of Directors of the GIS Certification Institute,
Upon the recommendation of the Executive Director, has conferred upon

David Ward

the distinction of

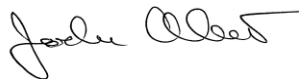
Geographic Information Systems Professional

GISP

Certificate Number 51378

Date of Initial Certification 4/25/2005

Date of Expiration 4/25/2027



Jochen Albrecht
GISCI President



Anthony Spicci, GISP
GISCI Executive Director

GIS Certification Institute

This is to certify that The Board of Directors of the GIS Certification Institute,
Upon the recommendation of the Executive Director, has conferred upon

Jennifer Berthiaume

the distinction of

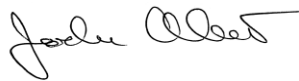
Geographic Information Systems Professional

GISP

Certificate Number 67339

Date of Initial Certification 5/25/2013

Date of Expiration 5/25/2027



Jochen Albrecht
GISCI President



Anthony Spicci, GISP
GISCI Executive Director



THIS IS TO CERTIFY THAT

Cody M Lemoine

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE
IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND
RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)®

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

A handwritten signature in black ink, reading 'LuAnn Piccard', is positioned above a horizontal line.

LuAnn Piccard, PMP | Chair, Board of Directors



A handwritten signature in black ink, reading 'Pierre Le Manh', is positioned above a horizontal line.

Pierre Le Manh | President & CEO

PMP® Number: 3771871

PMP® Original Grant Date: 07 February 2024

PMP® Expiration Date: 07 February 2027



I **UNITED STATES OF AMERICA** XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME

CODY MICHAEL LEMOINE

V ADDRESS PO BOX 407
HESSMER LA 71341-0407

VI NATIONALITY USA

IVa D.O.B. 19 DEC 1990

SEX HEIGHT WEIGHT HAIR

M 73 340 BLACK

EYES

HAZEL

IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II **REMOTE PILOT**

III CERTIFICATE NUMBER **4416213**

X DATE OF ISSUE 11 AUG 2020

XIV

Steve D. [Signature]

VIII

ADMINISTRATOR



U

A

S





Joshua Daigrepont

is hereby certified as a

IMSA Traffic Signal Technician I

by completing all requirements and examination for certification
on 10/27/2025

Valid thru 10/27/2028

Certification #AA_127521

Heidi Cramb
Heidi Cramb - Executive Director



Joshua Daigrepont

is hereby certified as a

IMSA Traffic Signal Field Technician II

by completing all requirements and examination for certification
on 10/27/2025

Valid thru 10/27/2028

Certification #BE_127521

Heidi Cramb
Heidi Cramb - Executive Director



THIS IS TO CERTIFY THAT

Akhilendra S Chauhan

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND PERFORMANCE
IN ACHIEVING AN ORGANIZATIONAL OBJECTIVE THROUGH DEFINING AND OVERSEEING PROJECTS AND
RESOURCES AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional (PMP)®

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

A handwritten signature in black ink, reading 'Jennifer Tharp', positioned above a horizontal line.

Jennifer Tharp | Chair, Board of Directors



A handwritten signature in black ink, reading 'Pierre Le Manh', positioned above a horizontal line.

Pierre Le Manh | President & CEO

PMP® Number: 1444676

PMP® Original Grant Date: 16 August 2011

PMP® Expiration Date: 16 August 2026



Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRANSPORTATION PLANNER

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

Steven D. Hofener
Chair



Steven D. Hofener
Executive Director

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 4

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert P. ...
Authorized instructor



Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

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

Steven
D. Hofener
Chair



James W. ...
Executive Director

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 4

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert P. ...
Authorized instructor



Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert P. ...
Authorized instructor





National Highway Institute



Certificate of Training

Akhil Chauhan

has participated in

**FHWA - NHI Course No. 380071 -
Interactive Highway Safety Design Model (IHSDM)**

hosted by

Louisiana Department of Transportation and Development

Date: May 9-10, 2012

Hours of Instruction: 12

Location: Baton Rouge, LA

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

Instructor



National Highway Institute



Certificate of Training

Akhilendra Chauhan

has participated in

**NHI Course No. 380075 -
New Approaches to Highway Safety Analysis**

hosted by

LA DOTD/LTRC

Date: October 9-11, 2012

Hours of Instruction: 18

Location: Baton Rouge, LA

Instructor

Local Coordinator

Instructor

Richard Barnaby, Director
National Highway Institute



National Highway Institute



Certificate of Training

Akhil Chauhan

has participated in

**FHWA - NHI Course No. 133078
Access Management, Location and Design (3 day)**

hosted by

LA DOTD/LTRC

Date: January 6-8, 2015

Hours of Instruction: 18

Location: Baton Rouge, LA

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute



National Highway Institute



Certificate of Training

Akhil Chauhan

has participated in

**NHI Course No. FHWA-NHI-380106
Highway Safety Manual Online Overview**

hosted by

National Highway Institute

Location: Web-Based Course

Hours of Instruction: 12 hours

Date: 7/18/2012

Richard J. Barnaby, Director
National Highway Institute

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 7 PROFESSIONAL DEVELOPMENT HOURS IN:

Louisiana's Complete Streets Peer Exchange

Maud B. Walsh
Director of Louisiana LTAP Center



January 19-20, 2016
Date

Baton Rouge, Louisiana
Location

Certificate of Attendance

USING STATISTICS IN HIGHWAY SAFETY

PRESENTED BY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

Helmuth Schneider

Dr. Helmut Schneider
Director
Highway Safety Research Group





U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute



Certificate of Training

Osama A. Shahawy

has participated in

FHWA-NHI-130055 Safety Inspection of In-Service Bridges

hosted by

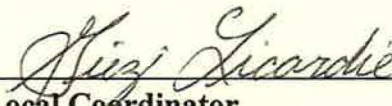
Chicago Transit Authority & HBM Engineering Group, LLC

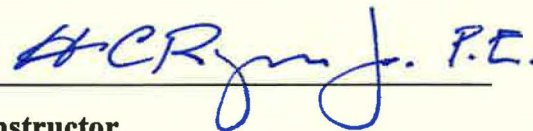
Date: January 05-16, 2015

Hours of Instruction: 67 Hours

Location: Chicago, IL


Instructor


Local Coordinator


Instructor


Valerie Briggs, Director
National Highway Institute



Jose Rodriguez
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAR-2024

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Jose Rodriguez

has successfully completed

Overview of Roadside Safety

Date: 10/02/2025

Instructional Hours: 6

Location: Web-based training

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

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

11/20/17


Michael K. Park
Chair




Jeffrey F. Paniati
Executive Director

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Poly Colina
Authorized Instructor

Ari Deitch
Authorized Instructor

P. L. P. P.
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colina
Authorized Instructor

Ari Deitch
Authorized Instructor

P. L. P. P.
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colina
Authorized Instructor

Ari Deitch
Authorized Instructor

P. L. P. P.
Authorized instructor





Ari Deitch
has attended
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024

CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.



American Traffic Safety Services Association
ATSSA.com

Certificate of Professional Development Hours
presented to

Ari Deitch

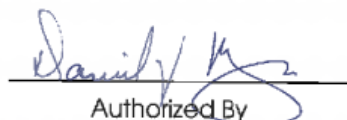
for attending the

Highway Safety Manual Workshop
12 PDHs

on

May 2-3, 2013

Baton Rouge, Louisiana


Authorized By



Research, Technology Transfer, Education and Training





U.S. Department
of Transportation
**Federal Highway
Administration**

National Highway Institute



Certificate of Training

ARI DEITCH

has participated in

***FHWA-NHI-133121 Traffic Signal Design
and Operation***

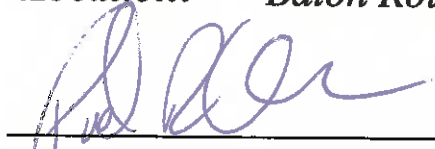
hosted by

LA DOTD/LTRC

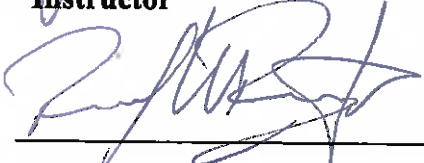
Date: *August 16-17, 2017*

Hours of Instruction: 11

Location: *Baton Rouge, LA*



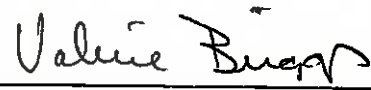
Instructor



Instructor



Local Coordinator



**Valerie Briggs, Director
National Highway Institute**

Transportation Professional Certification Board Inc.

certifies that

Hester Berk Hollier

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 3928 issued in Washington, D.C., U.S.A.

November 18, 2015

Kim H. W. Stout
Chair



[Signature]
Executive Director



Kester Hollier
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-JUL-2023

CEU (If Applicable):

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



U.S. Department of Transportation
Federal Highway Administration



CERTIFICATE OF TRAINING

Kester Hollier

has successfully completed

Overview of Roadside Safety

Date: 09/18/2025

Instructional Hours: 6

Location: Web-based training

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute

Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Poly Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

Rob T. Marshall
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvine
Authorized instructor

Jim Holt
Authorized instructor

Rob T. Marshall
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Poly Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

Rob T. Marshall
Authorized instructor



Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

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

Professional Traffic Operations Engineer

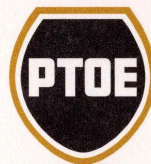
unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 5291 issued in Washington, DC, USA

7/13/2022

Deborah L. Snyder

*Deborah Snyder
Chair*



**PROFESSIONAL TRAFFIC
OPERATIONS ENGINEER**

Jeffrey F. Paniati

*Jeffrey F. Paniati
Executive Director*

Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 636 issued in Washington, DC, USA

8/3/2021

Deborah Snyder
Deborah Snyder
Chair



Jeffrey F. Panzani
Jeffrey F. Panzani
Executive Director

ATSSA
Safer Roads Save Lives

Max Aguirre

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-SEP-2025

CEU (If Applicable): 0.75

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This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com



The Transportation Professional Certification Board

Certifies that

Max Aguirre, Ph.D.,PE,PTOE,RSP2I

successfully renewed the Road Safety Professional Infrastructure® (Level 2) certification

Original Certification Date: 7/9/2024

Certification Valid Through: 7/9/2027

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 182

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly A. Colina
Authorized Instructor

John H. Hitt
Authorized Instructor

Robert G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 1

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

Professional Development
Hours (PDHs) Awarded: 2

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 2

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

Professional Development
Hours (PDHs) Awarded: 3

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 3

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

Professional Development
Hours (PDHs) Awarded: 3

Jody J. Colvine
Authorized Instructor

Jim Holt
Authorized Instructor

P. G. Brumfield
Authorized instructor



Transportation Professional Certification Board Inc.

certifies that

Justin M. Maderia

*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 3455 issued in Washington, D.C., U.S.A.

July 22, 2013

Timothy D. Harpest
Chair



James W. Harpest
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Justin M. Maderia

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

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.

Certificate number 604 issued in Washington, DC, U.S.A.

7/19/17

Michael F. Park
Chair



Jeffrey F. Panfili
Executive Director

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor



Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor



Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Poly Colina
Authorized Instructor

John Holt
Authorized Instructor

Robert J. Bunnell
Authorized instructor





The Transportation Professional Certification Board

Certifies that

Mr. Jonathan S. Wallace, RSP1

successfully holds the Road Safety Professional® (Level 1) certification

Original Certification Date: 12/21/2018

Certification Valid Through: 12/21/2027

Steve Kuciemba,
Executive Director and CEO

Jan O. Voss, P.Eng., PTOE
TPCB Chair

Certification Number: 225

Transportation Professional Certification Board, Inc.

certifies that

Meredith Guidry

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

Road Safety Professional

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 867 issued in Washington, DC, USA*

7/18/2022

Deborah Snyder
Deborah Snyder
Chair



Jeffrey F. Piniati
Jeffrey F. Piniati
Executive Director

Certificate of Completion

presented to

Meredith Guidry

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: March 10, 2021

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3

B891

Authorized Instructor

[Signature]

Authorized Instructor

[Signature]

Authorized instructor



Certificate of Completion

presented to

Meredith Guidry

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: March 10, 2021

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3

B891

Authorized Instructor

[Signature]

Authorized Instructor

[Signature]

Authorized instructor



Certificate of Completion

presented to

Meredith Guidry

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: March 11, 2021

Location: Baton Rouge, Louisiana

Professional Development

Hours (PDHs) Awarded: 3

B891

Authorized Instructor

[Signature]

Authorized Instructor

[Signature]

Authorized instructor





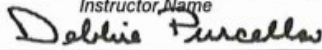
Christopher Ballard
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

 American Traffic Safety Services Association	
This is to affirm that	
CHRIS BALLARD	
has satisfied the requirements to be designated as a	
CERTIFIED FLAGGER	
Issue Date <u>2/29/2024</u>	Debbie Purcella
Exp. Date <u>2/29/2028</u>	Instructor Name
State Issued <u>LA</u>	
	Instructor Signature
V0000287042	Verify at Flagger.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Madison Mills
has attended
Louisiana Traffic Control Supervisor
Training Course

7/12/2023 to 7/12/2027
Training Valid Through

Baton Rouge, LA
Location

Donna M. Clark
Vice President of Education and Technical Services

Alanna Terhune
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com



American Traffic Safety
Services Association

This is to affirm that

MADISON MILLS

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/1/2023
Exp. Date 8/1/2027
State Issued LA

Debbie Purcella

Instructor Name

Debbie Purcella

Instructor Signature

V0000201560

Verify at Flagger.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Belton Davis

has attended

Traffic Control Technician-LA State Specific

Training Course

2/7/2023 to 2/7/2027
Training Valid Through

Baton Rouge, LA
Location

Donna H. Clark
Vice President of Education and Technical Services

Sharon Terrell
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com



Certificate of Completion

Davis

A certificate of completion
with a seal

Description automatically
generated

has successfully completed Utility Training Academy's
Utility Locator Skills Enhancement Training to achieve recognition as a
U.T.A. Certified Professional Utility Locator

Date: January 31, 2022
Duration: 8 Contact Hours



Bob Nighswonger
Bob Nighswonger
President, Utility Training Academy



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Wales

has attended

Traffic Control Supervisor-LA State Specific

Training Course

2/8/2023 to 2/8/2027
Training Valid Through

Baton Rouge, LA
Location


Vice President of Education and Technical Services


President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
ARCADIS U.S., INC.	Business Corporation (Non-Louisiana)	WILMINGTON	Active

Previous Names

ARCADIS G&M, INC. (Changed: 1/4/2007)

ARCADIS GERAGHTY & MILLER, INC. (Changed: 6/12/2001)

Business: ARCADIS U.S., INC.

Charter Number: 34610353F

Registration Date: 2/5/1998

Domicile Address

222 DELAWARE AVENUE, SUITE 1110
WILMINGTON, DE 19801

Mailing Address

C/O LEGAL DEPT.
110 WEST FAYETTE ST., SUITE 300
SYRACUSE, NY 13202

Principal Business Office

630 PLAZA DR., SUITE 200
HIGHLANDS RANCH, CO 80129

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

6100 CORPORATE BLVD., SUITE 325
BATON ROUGE, LA 70816

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
CIVIL DESIGN & CONSTRUCTION, INC.	Business Corporation	PORT ALLEN	Active

Previous Names

Business: CIVIL DESIGN & CONSTRUCTION, INC.

Charter Number: 35961196D

Registration Date: 6/15/2005

Domicile Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Mailing Address

P O BOX 857
PORT ALLEN, LA 70767

Principal Office Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Status

Status: **Active**

Annual Report Status: **In Good Standing**

File Date: 6/15/2005

Last Report Filed: 5/20/2025

Type: Business Corporation

Registered Agent(s)



Louisiana
**SECRETARY
OF STATE** **NANCY LANDRY**

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Name	Type	City	Status
NTB ASSOCIATES, INC.	Business Corporation	SHREVEPORT	Active

Previous Names

NTB, INC. (Changed: 1/4/2000)

Business: NTB ASSOCIATES, INC.

Charter Number: 34216133D

Registration Date: 8/14/1986

Domicile Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Mailing Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Principal Office Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Status

Status: Active

Annual Report Status: In Good Standing

File Date: 8/14/1986

Last Report Filed: 7/25/2025

Type: Business Corporation

22 SUB-CONSULTANT INFORMATION:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
CIVIL DESIGN & CONSTRUCTION, INC.	PO Box 857 Port Allen, LA 70767	Karla E. Weston kweston@cdcbr.com	225 765 1802
NTB ASSOCIATES, INC.	321 Saint Joesph Baton Rouge, LA 70802	Michael J. King mking@ntbainc.com	225 454 8925



Arcadis

6100 Corporate Blvd., Suite 325
Baton Rouge, LA 70808
T. 225 292 1004



www.arcadis.com



Arcadis North America



Arcadis



@ARCADIS_US