Arcadis is part of the design team for the I-10 Calcasieu Bridge P3 to help replace the 70-year-old River Bridge and improve surrounding segments along a 5.5-mile corridor.

CONTRACT NOs. 4400035363, 4400035364, 4400035365, 4400035366, AND 4400035367

JUNE 16, 2026

IDIQ Contracts for Engineering and Technical Support Services for Critical Projects, Statewide

Stronger Together.
Delivering More.

Arcadis U.S., Inc.
6100 Corporate Blvd Suite 325
Baton Rouge, LA 70808
Phone: 225 292 1004
Fax: 225 218 9677
www.arcadis.com

Tuesday, June 16, 2026

Louisiana Department of Transportation and Development
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802-4438

Subject: **Contract NOs. 44-35363, 44- 35364, 44-35365, 44-35366, 44-35367 | Critical Projects IDIQ**

Dear Project Evaluation Team,

On behalf of Arcadis, we are pleased to submit our proposal to support LADOTD in delivering its Critical Projects IDIQ program. We understand this contract requires a partner capable of **responding quickly to evolving priorities, coordinating across disciplines, and consistently delivering high-quality results under accelerated schedules** —and we are prepared to meet that challenge.

At the core of our proposal is a **strong, highly coordinated team** built with the staffing depth and redundancy to deliver multiple, concurrent task orders. Our organization unites seasoned Louisiana leadership with nationwide transportation project expertise, supported by technical specialists and responsive task-order managers who operate seamlessly as one integrated team. This collaborative structure embodies our guiding principle— **"Stronger together, delivering more"** —ensuring that every assignment benefits from shared expertise, clear communication, and unified execution.

Stronger Together.
Delivering More.

Our team combines **proven program management, scalable technical resources, and a disciplined yet flexible delivery approach** to support the full range of services outlined in the advertisement. From planning and design through procurement support and construction services, we bring a **demonstrated ability to mobilize quickly, integrate seamlessly with LADOTD staff, and execute efficiently across multiple concurrent assignments**.

What differentiates our team is our **tailored approach to IDIQ delivery**, which emphasizes:

- **Rapid response and on-call readiness** to meet urgent and time-sensitive needs
- **Seamless coordination across a strong, integrated team** to maximize efficiency and consistency
- **Clear communication and accountability** at every stage of delivery
- **Scalability and flexibility** to support projects of varying size, complexity, and geographic distribution

Our organizational structure is intentionally designed to support this program with **dedicated leadership, clearly defined roles, and access to specialized expertise** to ensure each task order is staffed appropriately and delivered successfully. This approach allows us to maintain **continuity, responsiveness, and high-quality outcomes** while adapting to changing priorities — truly demonstrating that we are ***stronger together, delivering more.***

We are confident that our team's strength, responsiveness, and commitment to partnership position us to be a valuable extension of LADOTD as you advance your Critical Projects program. We appreciate the opportunity to be considered and look forward to supporting your goals.

Sincerely,

Akhil Chauhan PE, PMP
Principal Engineer / Project Manager

Jason Morrell, PWS
Deputy Project Manager

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS
1-11

Alongside major teaming partners like **Modjeski & Masters** and **Stanley**, the Arcadis Team brings the strength of trusted, long-standing partnerships that have collectively delivered hundreds of roadway, bridge, and alternative delivery projects across Louisiana, ranging from complex environmental studies and corridor improvements to major bridge replacements and design-build initiatives. These efforts include developing and evaluating multiple roadway and bridge alternatives, advancing projects through environmental approvals, and supporting innovative delivery models that accelerate implementation while maintaining quality and stakeholder alignment.

500+
Louisiana Bridges Projects

8+
Louisiana Alternative Delivery Projects

75+
Louisiana Roadway Projects

Modjeski & Master provided Bridge Design and Lighting on the Crescent City Connection

As part of the Design Team for the LA 415 to Essen Lane on I-10/12 Split CMAR project, Arcadis provides comprehensive services on this Alternative Delivery Project.

Stanley provided Roadway and Bridge Design for Bootlegger Road & Overlay.

Stronger Together.
Delivering More.

DOTD FORM: 24-102

(CONTRACT NOS. 4400035363, 4400035364, 4400035365, 4400035366, AND 4400035367)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	**IDIQ CONTRACTS FOR ENGINEERING AND TECHNICAL SUPPORT SERVICES FOR CRITICAL PROJECTS**
2. Contract Number(s) as shown in the advertisement	CONTRACT NOs. 4400035363, 4400035364, 4400035365, 4400035366, AND 4400035367
3. State Project Number(s), if shown in the advertisement	N/A
4. **Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)**	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**	Akhil Chauhan, PE, PTOE, PTP, PMP *Principal Engineer* P. 225 368 6563 | E. akhil.chauhan@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 *Principal Engineer* 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.**	 Signature above shall be the same person listed in Section 9: Date: **June 16, 2026**
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	**Firm(s):**

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS
12-14

Arcadis' National Funding Team, comprised of about 100 staff, has successfully secured $10B+ in transportation funding for clients across the nation.

Funding Strategy

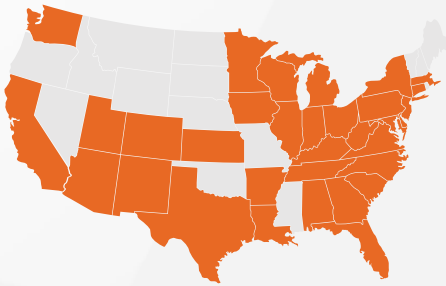
Comprehensive funding analyses to identify potential sources based on your funding needs and priorities.

Application Development

Support for all components of grant applications: narrative writing, scope/budget/schedule development, graphic design, stakeholder coordination, and more.

Consensus Building

Advocacy for clients' needs with state and agency officials, including funding gatekeepers and possible partners.



Economic and Fiscal Analysis

Economic impact analyses, benefit cost analyses and other studies often required for funding.

Technical Services

Design, engineering, modeling, and other technical services to develop and prepare documentation for specific funding program requirements.

Grant Management

Post-award support, including compliance, reporting, reimbursements, procurement, and audits, among other tasks.

200
Successful Applications

33
States

$10B+
Funding Secured

Stronger Together.
Delivering More.

12 DISCIPLINE TABLE:

Discipline(s)	% of Overall Contract	Arcadis	M&M	Stanley	Ardaman	CDM Smith	ECM	Eustis	Lazenby	NTBA	MGM	Each Discipline must total to 100%
Road	22%	60%		30%					10%			**100%**
Bridge	19%	40%	40%	10%			10%					**100%**
Other (Project Management)	10%	80%		20%								**100%**
CE&I/OV	10%	55%					45%					**100%**
Traffic	9%	100%										**100%**
Survey	6%								55%	45%		**100%**
Environmental	6%	75%				25%						**100%**
Geotech	5%				55%			45%				**100%**
Other (SUE/Utilities)	4%									100%		**100%**
Other (Alternative Delivery)	4%	90%	10%									**100%**
Other (Tolling)	3%					100%						**100%**
Other (Public Relations/ Graphics)	1%	10%									90%	**100%**
Other (Lighting)	1%	10%	90%									**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%**	**51.6%**	**8.9%**	**10.5%**	**2.8%**	**4.5%**	**6.4%**	**2.2%**	**5.5%**	**6.7%**	**0.9%**	

13 TEAM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
Arcadis U.S., Inc.	Archaeologist	2	5
	Biologist/Wetlands	2	5
	Clerical	1	2
	Economist	2	3
	Engineer	17	20
	Engineer - Other	9	11
	Engineering-Aide	1	3
	Environmental Manager	1	2
	Environmental Pro	3	6
	Geologist	3	3
	Planner	3	6
	Principal	3	5
	Professional	7	8
	Supervisor - Eng	8	9
	Supervisor - Other	10	12
Modjeski and Masters, Inc.	Principal	2	4
	Supervisor - Eng	1	5
	Engineer	2	8
Stanley Consultants, Inc.	Principal	1	2
	Supervisor - Eng	3	5
	Engineer	7	10
	Engineer Intern	3	5

Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
	CADD Technician	2	5
	Senior Technician	1	2
Ardaman & Associates, Inc.	Administrative	1	1
	CADD Technician	2	2
	Clerical	1	2
	Engineer	1	3
	Engineer Intern	3	6
	Principal	2	3
	Senior Technician	8	9
	Supervisor - Eng	3	3
	Supervisor - Other	3	4
	Technician	11	11
CDM Smith	Planner	8	10
	Professional	3	5
	Engineer	1	3
ECM Consultants, LLC	Supervisor - Eng	1	5
	Engineer	4	6
	Inspector - Certified	1	4
	Inspector - Bridge	2	5
Eustis Engineering L.L.C.	Principal	1	3
	Supervisor - Eng	2	4
Lazenby & Associates, Inc.	CADD Drafter	2	4
	CADD Operator	1	1

Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
	Engineer	3	5
	Engineer Intern	1	2
	Instrument Man	2	2
	Party Chief	2	2
	Rodman	2	2
	Surveyor	1	1
	Supervisor - Eng	1	3
	Principal	1	1
NTB Associates, Inc.	Principal	1	1
	Engineer	1	1
	Engineer Intern	1	1
	Surveyor	5	6
	Supervisor - Other	1	2
	Senior Technician	0	1
	CADD Technician	1	3
	Technician	1	2
	CADD Drafter	1	3
	Party Chief	4	4
	Instrument Man	4	4
	Rodman	4	4
Marmillion Gray Media, Inc.	Principal	1	1
	Professional	1	1
	Graphics	1	2

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Principal-in-Charge
- Eric Kalivoda, PE, PhD ①②

Project Management Team

Project Manager
- Akhil Chauhan, PE, PMP ①②✚

Deputy Project Manager
- Jason Morrell, PWS ④✚

Technical Advisors
- Doug Tilt, PE ③
- Matt McDow, PE
- Tom Landry, PE
- Jonathan Langley, PE
- Ed Wedge, PE

Project Management & Support
- Akhil Chauhan, PE, PMP ①②✚

Value Engineering and Cost Risk Schedule Assessments
- Mehada Dika, PMI-RMP
- Anthony Dunams, PE, CVS
- Roy Cooper, PE
- Chris Carson, FRICS, FAACE, FGPC,CCM, PMP, PSP, DRMP, CEP

Project Management Plan
- Jason Morrell, PWS ④✚
- Jose L. Rodriguez, PE ③★
- Jesse Tisdale, PE ⑩
- Blake Roussel, PE, PMP ⑩
- Osama Shahawy, PE ⑪

Initial Financial Plan
- John Muñoz
- Chris Goddin
- Carleen Flynn, AICP

Grant Applications and Agreements
- Sara Lynch
- Julie Price, AICP
- Kathrene Garcia
- Meredith Guidry, PE, RSP ✚
- Laura Hartley, PE

Project Controls
- Suberina Jocelyn (Scheduler)
- Carolyn Matthews (Document Control)
- Jennica Dycus, PE, PSP (Scheduler)
- Dibya Maheswari (Data Analytics)

Environmental & Permitting
- Jason Morrell, PWS ④✚

NEPA Support
- Jan Hughes ④
- Rhonda Tilt
- Jessica Kern (Section 4f/6f)
- Daniel Lowery ④
- Daniel Burgin, INCE (Air & Noise)
- Lauran Switzer, RPA (Archaeology)
- Hunter Guidry (Wetlands/T&E)
- Anthony Chieffo (Historic Architecture)
- Cassie Kerrin (Phase I/II ESA)
- Jennifer Humphreys, AICP
- Karen Hadley, AICP, PMP
- Michael Belvin
- Annamarie Weddle, AICP (NEPA) ④

Permit Applications
- Hunter Guidry
- Catherine Bruns

Mitigation Compliance Support
- Jason Morrell, PWS ④✚
- Daniel Lowery ④

Stakeholder & Public Outreach
- Rannah Gray
- Shane Blatt

Materials Sampling and Testing
- Cassie Kerrin
- Timothy Ratchford
- Sophie Vincent
- Michael Stevens, PG

Design, Engineering & Survey
- Jose L. Rodriguez, PE ③★

Traffic Engineering and Design
- Kester Hollier, PE, PTOE ⑤★✚
- Max Aguirre, PhD, PE, PTOE, RSP ★✚
- Sridhar Basetty, PE, PTOE ⑤✚
- Meredith Guidry, PE, RSP ✚
- Tait Karlson, PE, PTOE ✚

Surveying
- James Ellingburg, PE, LSI ⑩
- Paul Fryer, PE, PLS ⑦
- Jerry Lazenby, PE, PLS
- Ronald Riggin, II, PE, PLS ⑥
- Noah Sampognaro, PE, LSI
- Mike King, PLS ⑥
- Bryan Bunch, PLS
- Patrick Staiano, PLS ⑦
- William Offer, PLS
- Jeff Melville, PLS
- Will Wales

Subsurface Utility Engineering and Utility Relocation
- Amy Schulze, PE, CFM ⑧
- Emily Kliewer, EI
- Daniel Brooks
- Dori Hull
- Belton Davis
- Captayn Chapman
- Jeremy Reppond

Roadway Design
- David Fulks, PE ⑩
- Gabriel Arias, PE
- Craig Raymond, PE
- Garrett Keller, PE
- Adam Fields, PE ⑩
- Aidan Eymard, PE
- Aidan Carter, PE
- Caitlin Marks, PE
- Hagan Lawrence, PE
- James Spillers, PE ⑩
- Randy Hammons, PE
- Blaine Holloway, EI

Hydraulic Engineering
- Lina Khoury, PE, CFM
- Colin Sarratt, PE
- Amanda Check, PE
- Cailyn Youmans, PE
- Jared Blohowiak, PE

Geotechnical Engineering
- Ross McGillivray, PE
- Robert Rousset, PE
- Robert Jewell, PE
- Megan Bourgeois, PE ⑨
- Jarmon King, PE
- Casey Floyd
- Jessica Litt
- Chae Hrenyk
- Matt Morales, PE ⑨
- Gwen Sanders, PE ⑨
- Patrick Thurmond, PE

Bridge Design
- Victor Sanchez, PE ⑪
- Osama Shahawy, PE ⑪
- Krishna Singaraju, PE
- Sushil Dhungana, PE
- Badre Enam, PE
- Cullen Ledet, PE ⑪
- Yu Ouyang, PE ⑪
- Josh Olivier, PE
- Luis Santana, PE

Bridge Inspection
- David Waller
- Emilio Rodriguez
- Ben Dow
- Chris Capretto, PE, PMP
- Jules Saunee

Plan Development and Letting Support
- Victor Sanchez, PE ⑪
- Jose L. Rodriguez, PE ③★
- Shamindra Fernando, PE
- Blake Roussel, PE, PMP ⑩
- Jesse Tisdale, PE ⑩

Construction Support
- Blake Guidry, PE

Construction Drawing Review
- Chris Goddin
- Sunil Talati
- George Passaro
- Kim Garlington, PE
- Zach Collier, PE
- Bill Oliver, PE

VE/Contractor Proposals, and RFIs
- Anthony Dunams, PE, CVS
- Roy Cooper, PE

Non-Conformance Reports (NCR)
- Chris Carson, FRISC, FAACE, FGPC, CCM, PMP, PSP, DRMP, CEP
- Zachary Collier, PE

Quality Control & Peer Reviews
- Henning von Mantey

- Kristen Kasmire, PE (Bridge) ③
- Jonathan Reid, PE, PTOE, RSP (Alternative Technical Concepts)
- Suhil Bagighni, PhD, PE, DBIA (Alternative Delivery)
- Jesse Tisdale, PE (Roadway) ⑩
- Cullen Ledet, PE (Lighting) ⑪
- Ari Deitch, PE, PTOE, PTP, RSP (Traffic) ⑤★✚
- Braulio Rameriz, PE (ITS)

Other Support Services

Tolling Support
- Carleen Flynn, AICP
- David Aron, PTP, PMP
- Wesley Blackwell, PMP
- Zoran Todorovic, PTP
- John Muñoz
- Richard Tillery, AICP

ITS Design and Support
- Paul Hsu, PE
- Vamshi Mudumba, PE, PTOE
- Sarath Gorthy, PE
- Tait Karlson, PE, PTOE ✚
- Paul Frislie, PE, IMSA

Roadway and Aesthetic Lighting Design
- Jonathan Gerhart, PE
- Erin Rodgers, PE
- Thien Pham, PE

Graphic Design & Presentation Materials
- Sarah Powell
- Shane Blatt

Public Relations and Communication Advisory
- Lisa Noble
- Cara Vojdani

Alternative Delivery Technical Services
- Keith Kunst, PE (Technical Advisor)
- Jonathan Langley, PE (Program Management)
- Angelica Corradi Gomez (P3)
- David Maestro Saez, PE (PDB, DB)
- Akhil Chauhan, PE, PMP (CMAR) ①②✚
- Sergi Sole Lozano, PE (Design Services)

PROJECT TEAM:
- Arcadis
- Stanley
- Modjeski & Masters
- Ardaman
- CDM Smith
- ECM (Aventia)
- Eustis
- Lazenby
- NTB
- Rannah Gray

LEGEND:
- ① Fulfillment of Minimum Personnel Requirement
- ★ Workzone Training
- ✚ Traffic Engineering Process and Report Training

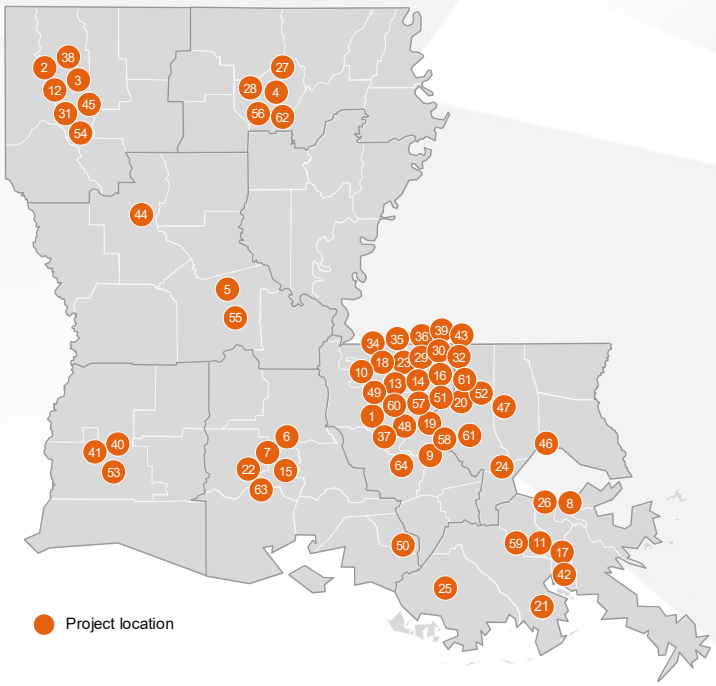
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

15

The Arcadis Team has provided Traffic Engineering and Travel Demand Forecasting Services for over **60+** projects in Louisiana. Below is just a sampling of projects.



Arcadis:

1. US 61 Corridor Traffic / Access Management Study
2. LA 3105 Corridor Traffic Study
3. LA 157 Corridor Traffic Study
4. US 165 Corridor Traffic Study
5. US 71 Corridor Traffic Studies (Phases 1-3)
6. Evangeline Thwy / Johnston St Intersection Study
7. Johnston St / Ambassador Caffery Intersection Study
8. I-10 Hard Shoulder Running (HSR) Traffic Study
9. I-10 (LA 73 to LA 429) Traffic Study
10. Pecue Ln at I-10 Interchange Model Review
11. Loyola Drive at I-10 Interchange Model Review
12. I-20 Mesoscopic Model and TMP
13. I-10 Mesoscopic Model
14. I-10 (LA 415 to Essen Lane) Traffic Data Collection
15. US-90 Signal Timing Upgrades
16. EBR Signal Design and Detection Upgrades
17. New Orleans Pedestrian Safety Study
18. Baton Rouge Ped / Bike Road Safety Assessments
19. Joe Sevario / Roddy Rd Roundabouts Safety Study
20. LA 44 Roundabouts Traffic / Safety Study
21. LA 3235 Corridor Traffic and Safety Study
22. I-49 Interchange Traffic and Safety Study
23. I-12 Hard Shoulder Running (HSR) Study
24. US 61 (Laplace) Corridor Traffic Study
25. LA 3040 Corridor Traffic Study
26. Florida Avenue Expressway Traffic Study
27. LA 594 Millhaven Traffic Study
28. I-20 Frontage Development Traffic Study
29. Burbank Access Management Study
30. Highland-Burbank Connector
31. Cross Bayou Bridge Traffic Study
32. Lee Drive Traffic Study
33. Bluebonnet Blvd Traffic Study
34. Scenic Highway Traffic Study
35. Terrace Avenue Traffic Study
36. I-10 CMAR IMR Traffic Study
37. LA 1 / LA 415 Connector CMAR
38. I-20 / I-220 DB IMR Traffic Study
39. Hooper Road Traffic Analysis
40. I-10 Calcasieu River Bridge P3
41. Broad Street Corridor Study
42. I-10 Master Plan New Orleans Traffic Study
43. Ardenwood Connector Traffic Study
44. Keyser Avenue Traffic and Safety Study
45. District 04 Pedestrian Safety Improvements
46. LA 22 Stage 0 Feasibility Study
47. I-12 at I-55 Interchange Study
48. Thomas Road Traffic Study
49. Flannery Road Traffic Study
50. I-49 SEIS and Traffic Study
51. Emily Drive Intersection Improvements
52. Pete's Highway EA and Traffic Study
53. I-10 Calcasieu River Bridge Demand Forecasting
54. Shreveport MPO MTP / Travel Demand Model Update
55. Alexandria MPO MTP / Travel Demand Model Update
56. Monroe MPO MTP / Travel Demand Model Update
57. Baton Rouge MPO MTP / Travel Demand Model Update

CDM Smith:

58. Mississippi River Bridge – Travel Demand Forecasting
59. Louisiana International Terminal Network Study
60. Joor Road Transportation Project
61. LA 1 / I-10 Connector Investment Study and Forecasting
62. Ouachita River Bridge EIS and Demand Forecasting
63. I-49 South Toll Forecasting Study
64. Louisiana Statewide Freight Plan

Stronger Together.
Delivering More.

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 *(23 years' experience)*	ARCADIS	PE. 33703 – Civil	LA	09/30/2026
	Eric Kalivoda, PE *(>40 years' experience)*	ARCADIS	PE. 24603 – Civil & Environmental	LA	09/30/2026
2	Akhil Chauhan, PE, PTOE, PTP, PMP *(23 years' experience)*	ARCADIS	PE. 33703 – Civil	LA	09/30/2026
	Eric Kalivoda, PE *(>40 years' experience)*	ARCADIS	PE. 24603 – Civil & Environmental	LA	09/30/2026
3	Doug Tilt, PE *(>28 years' experience)*	ARCADIS	PE. 33502 – Civil	LA	03/31/2028
	Jose L. Rodriguez, PE *(26 years' experience)*	ARCADIS	PE. 30492 – Civil	LA	03/31/2027
	Kristen Kasmire, PE *(29 years' experience)*	ARCADIS	PE. 43461 – Civil	LA	09/30/2027
4	Jason Morrell, PWS *(26 years' experience)*	ARCADIS	NHI Course No. 142005	USA	-
	Jan Grenfell Hughes *(28 years' experience)*	ARCADIS	NHI Course No. 142005	USA	-
	Daniel Lowery *(16 years' experience)*	ARCADIS	-	-	-
	Annamarie Weddle, AICP *(8 years' experience)*	CDM Smith	AICP No. 34713	USA	09/30/2026
5	Ari Deitch, PE, PTOE, PTP, RSP *(14 years' experience)*	ARCADIS	PE. 41842 – Civil PTOE: 4346	LA, US	03/31/2028 11/2027
	Kester Hollier, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 34304 – Civil PTOE: 3928	LA, US	03/31/2027 11/2027
	Sridhar Basetty, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 38950 – Civil PTOE: 3682	LA, US	09/30/2026 08/2026

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
6	Michael King, PLS *(21 years' experience)*	NTBA	PLS. 5127 - Survey	LA	09/30/2027
	Ronald Riggin, III, PE, PLS *(13 years' experience)*	LAZENBY & ASSOCIATES, INC.	PLS. 5119 - Survey	LA	03/31/2027
7	Patrick Staiano, PLS *(16 years' experience)*	NTBA	PLS. 5130 - Survey	LA	09/30/2027
	Paul Fryer, PE, PLS *(42 years' experience)*	LAZENBY & ASSOCIATES, INC.	PLS. 4806 – Survey	LA	09/30/2027
8.	Amy K. Schulze, PE, CF *(28 years' experience)*	NTBA	PE. 30295 – Civil	LA	03/31/2027
9.	Matthew Morales, PE *(17 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	PE. 38211 – Civil	LA	09/30/2027
	Gwendolyn Sanders, PE *(33 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	PE. 27104 – Civil	LA	09/30/2027
	Megan Bourgeois, PE *(>20 years' experience)*	Ardaman & Associates, Inc.	PE. 36725 – Civil	LA	03/31/2028
10.	David Fulks, PE *(>30 years' experience)*	ARCADIS	PE. 30151 – Civil	LA	09/30/2026
	Adam Fields, PE *(>30 years' experience)*	Stanley Consultants	PE. 35614 – Civil	LA	09/30/2026
	Jesse Tisdale, PE *(>30 years' experience)*	Stanley Consultants	PE. 40972 – Civil	LA	03/31/2027

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
	Blake Roussel, PE, PMP *(>30 years' experience)*	Stanley Consultants	PE. 33279 – Civil	LA	09/30/2027
	James Spillers, PE *(32 years' experience)*	LAZENBY & ASSOCIATES, INC.	PE. 28574 – Civil	LA	09/30/2027
	James S. Ellingburg, PE, LSI *(18 years' experience)*	LAZENBY & ASSOCIATES, INC.	PE. 37236 – Civil	LA	09/30/2027
11.	Osama Shahawy, PE *(36 years' experience)*	ARCADIS	PE. 35652 – Civil	LA	09/30/2026
	Victor Sanchez, PE *(28 years' experience)*	ARCADIS	PE. 33976 – Civil	LA	09/30/2026
	Yu Ouyang, PE *(37 years' experience)*	MODJESKI and MASTERS	PE. 26117 - Civil	LA	09/30/2027
	Cullen Ledet, PE *(24 years' experience)*	MODJESKI and MASTERS	PE. 33222 - Civil	LA	09/30/2027

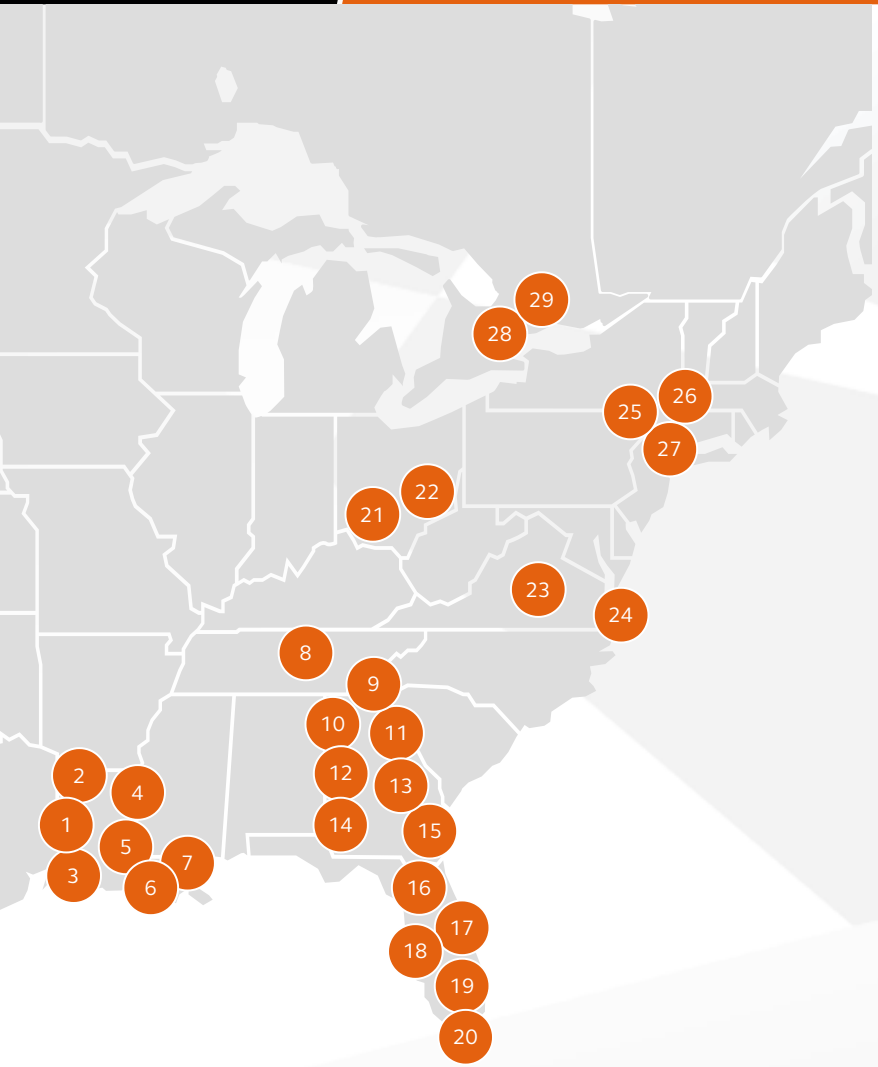
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

16

The projects shown represent only a portion of our team's Alternative Project Delivery (APD) experience across the Southeast United States. By bringing together the combined strengths of our design teaming partners, we offer a deep and proven track record delivering complex projects under accelerated and innovative delivery approaches—clearly demonstrating that we are stronger together, delivering more.



Map of Arcadis Team's Sampling of APD Projects

1 I-10 Calcasieu River Bridge P3 Project
2 I-220/I-20 Barksdale Air Force Base Interchange Design-Build
3 Baton Rouge to Lafayette ITS-TIM Phase 2 Design-Build
4 I-10: Highland to LA 73 Design-Build
5 LA 1 – LA 415 Connector CMAR
6 I-10: Highland to LA 73 Design-Build Project
7 LA 415 to Essen Lane on I-10/12 Split CMAR Project
8 Tennessee's I-440 from I-40 to I-24
9 I-85 N Express Lanes Design-Build
10 I-75 S Metro Express Lanes
11 I-85 Express Lanes
12 I-285 at SR 400 Interchange Design-Build
13 Cornish Creek WTP Upgrade
14 I-75 Managed Lanes
15 GDOT I-16/I-95 Interchange Reconstruction
16 State Route 9B (Ph 2 & 3)
17 SR-9B/US-1 Interchange
18 Tampa Bay Next Section 4
19 Wekiva Parkway Section 6
20 I-10 Owner's Rep Services
21 New WWTP
22 Ohio River Valley Highlands Sewer Rehabilitation
23 Virginia Beach Basin Sewer Rehabilitation
24 Windsor Woods, Princess Ann Plaza & The Lakes Drainage Improvements Progressive D-B
25 NYPA Owls Head WRRF Engine & Switchgear Replacement
26 NYPA Hunts Point WRRF Centrifuge Replacement
27 North/West Battery Park City Resiliency Progressive Design-Build Project
28 Ontario Line North – Pape Tunnel and Underground Stations Progressive D-B
29 Ontario Line Elevated Guideway and Stations Progressive D-B Project

Stronger Together.
Delivering More.

CONTRACT MANAGEMENT AND ADVISORY / KEY DISCIPLINE LEADS

16	STAFF EXPERIENCE:		
Firm employed by. ARCADIS			Meets MPR No. 1 & 2
Name	**Akhil Chauhan, PE, 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; PMP 1444676 / USA / Exp. 08/2026	
Year registered	2008	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Project Manager; Alternative Delivery Technical Services - CMAR**	

As a Principal Engineer and certified Project Management Professional (PMP), Mr. Chauhan brings a **unique experience** of closely working with different LADOTD sections and stakeholders such as Critical Projects, Roadway, Environmental, Bridge, ITS, Traffic Engineering, Safety, Planning, Data/GIS, 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)**. Mr. Chauhan has successfully led, managed, and mentored numerous projects for public agencies located across the country including several state Departments of Transportation (DOTs). He has provided engineering and technical support services to projects ranging from one intersection to large-scale complex urbanized corridors. With active participation at different professional organizations such as AASHTO, Transportation Research Board (TRB), ASCE, ACEC, and Institute of Transportation Engineers (ITE), he keeps himself fully aware of the latest research and industry trends affecting DOTs, with the goal of developing strategically creative solutions for clients' challenges. He has made several professional publications and presentations at local, regional, national, and global thoughtleadership platforms.

Experience Dates	Experience and qualifications relevant to the proposed contract
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Project Manager/Principal Engineer.* Responsible for managing and delivering Arcadis' scope items for this $1.0B+ construction project to improve I-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) construction from LA 415 to Essen Lane on I-10 and I-12. Scope includes bridge design of some segments, traffic noise modeling, ITS design, and all traffic engineering tasks including development of permanent signing plans, traffic signal design, Interchange Modification Reports (IMRs), and Transportation Management Plans (TMPs). 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.

02/22 – Ongoing	**I-10 Calcasieu River Bridge P3, LADOTD Calcasieu Parish, LA.** *Technical Advisor* for the $2.3B+ I-10 Calcasieu Bridge Replacement P3 project (***the largest transportation project in Louisiana's history***) 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 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.
05/19 – 11/22	**I-20/I-220 Interchange Improvements and BAFB Access Design-Build, LADOTD, Bossier Parish, LA.** *Principal Engineer.* Responsible for overseeing the development of addendum to Interchange Modification Report, Transportation Management Plan, temporary sign timing and design plans, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20/I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.
08/09 – 03/11	**Baton Rouge to Lafayette Traffic Incident Management (TIM) Phase 2 Design-Build, LADOTD, Multiple Parishes, LA.** *Associate Project Manager / Senior Engineer*. Responsibilities include design of fiber optic and wireless communication along with 13 CCTV cameras, 13 radar detectors, four dynamic message signs, and two highway advisory radios on I-10, I-49, US-90 and US-190. Supervised integration of ITS sites, network electronics, and wireless systems, wireless routing and site path analysis, and recommendation for communication system, including both physical layout of fiber optic and wireless system.
08/13 – 01/20	**Traffic Engineering IDIQ Contracts, LADOTD, Statewide, LA.** *Contract/Project Manager*. 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.***
08/14 – 03/21	**Safety Studies IDIQ Contracts, LADOTD, Statewide, LA.** *Contract/Project Manager*. 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.
04/25 – Ongoing	**LA 1/LA 415 Connector CMAR, LADOTD, West Baton Rouge Parish, LA.** *Technical Advisor* for a new 2.7-mile connector roadway project on an ***accelerated schedule***, consisting of a four-lane roadway (LA 415 Connector), interchange modification at I-10 and LA 415, and new LA 415 interchanges at Sun Plus Parkway and LA 1. Arcadis scope of services includes traffic engineering, alternative concept development, phased project implementation, safety analysis, signal inventory and design, TMP, and all stages of plan design for select roadway segments.
04/13 – 10/20	**US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, LADOTD, St. Tammany Parish, LA.** *Principal Engineer.* 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.

Firm employed by. ARCADIS				Meets MPR No. 4
Name	Jason Morrell, PWS		Years of relevant experience with this employer	13
Title	Principal Planner		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			BS / 1999 / Environmental Economics and Management, University of Georgia	
Active registration number / state / expiration date			Professional Wetland Scientist – #2319 / USA / Exp. 04/2028	
Year registered	2013	Discipline	Wetland Science	
Contract role(s) / brief description of responsibilities			**Deputy Project Manager / Environmental and Permitting Lead**	

Mr. Morrell has 26 years of experience in environmental planning and permitting in the southeastern U.S. Prior to joining Arcadis, he served as a National Environmental Policy Act (NEPA) Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. Over the past 10 years he has managed transportation projects including environmental, traffic, roadway, and drainage disciplines. ***Mr. Morrell has managed State DOT contracts with values ranging from $500,000 to $35 million.*** His area of expertise includes wetland studies, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration, U.S. Army Corps of Engineers (USACE), U.S. Fish and Wildlife Service, U.S. Coast Guard (USCG), and state resource agencies. Since 2011, Mr. Morrell has worked almost exclusively on transportation projects and is an active member of the Transportation Research Board Committee on Environmental Compliance in Transportation Planning (AEP17).

Experience Dates	Experience and qualifications relevant to the proposed contract
04/25 – Ongoing	**LA 1/LA 415 Connector Construction Manager At Risk (CMAR), LADOTD, West Baton Rouge Parish, LA.** *Project Manager* for a new 2.7-mile connector roadway project, consisting of a four-lane roadway (LA 415 Connector), interchange modification at I-10 and LA 415, and new LA 415 interchanges at Sun Plus Parkway and LA 1. Arcadis scope of services includes traffic engineering and analysis for the entire project, including alternative concept development, phased project implementation, safety analysis, signal inventory and design, and transportation management plan. Arcadis is also responsible for all stages of plan design for select roadway segments. Responsible for ***managing delivery of traffic studies and roadway design plan packages on an accelerated CMAR schedule.***
02/24 – Ongoing	**I-10 Calcasieu River Bridge Public Private Partnership (P3) Project, LADOTD, Calcasieu Parish, LA.** *Environmental Lead* for preparation of required environmental permit applications for replacement of the I-10 Calcasieu River Bridge and 5.25 miles of interstate improvement along I-10. ***Led coordination with responsible federal, state, and local agencies*** throughout the permitting process on behalf of the P3 project team. Environmental permit applications prepared included a USACE Section 10/404 Clean Water Act Standard Permit, Louisiana Department of Environmental Quality Water Quality Certification Request, and USCG Section 9 Bridge Permit and Navigation Lighting Plan.
06/22 – Ongoing	**Environmental Support Services – Ecology Indefinite Delivery, Indefinite Quantity (IDIQ) Contract, GDOT, Statewide, GA.** *Project Manager*. ***Responsible for managing a five (5) year, $35 million IDIQ contract*** including staff augmentation and program delivery support. Manage a team of staff and subconsultants providing 24 embedded (Support Services) positions with the GDOT Office of Environmental Services (OES). Manage a team of ecologists and subconsultants delivering ecology

	initiatives including training media, guidance documents, report templates, programmatic agency agreements, and on-call services to the GDOT Ecology Section. Provide innovative digital solutions to improve GDOT program delivery including workload management, contract management, and document tracking dashboards.
02/17 – 09/25	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement (SEIS), Louisiana Department of Transportation and Development (LADOTD), St. Mary Parish, LA.** *Project Manager* for a NEPA SEIS for the conversion of a 10-mile segment of US 90 to I-49 from Ricohoc to Berwick in St. Mary Parish. Responsibilities included scope and labor hour negotiations during initial project setup, as well as ***managing the multi-disciplinary scope, schedule, and budget*** for all project phases including the traffic, line and grade, and environmental studies.
10/22 – Ongoing	**Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Replacements Program – District 02, LADOTD, Multiple Parishes.** *Environmental Lead* for replacement of six off-system bridges in LADOTD District 02. Responsibilities include ***management of environmental services*** for this bridge bundle including preparation of Solicitation of Views (SOVs) letters, wetland studies, Section 106 National Historic Places Act compliance documentation, NEPA Programmatic Categorical Exclusions, USACE Section 404 Clean Water Act permits, and Louisiana Department of Energy and Natural Resources (LDENR) Coast Use Permits, as needed.
04/21 – Ongoing	**Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA.** *Project Manager/Environmental Lead* for 16 state projects involving replacement of 29 state highway bridges. As a subconsultant, Arcadis was responsible for delivery of all environmental services. The scope of services consists of Solicitation of Views, wetland studies, Programmatic Categorical Exclusions, and permitting including USACE Nationwide Permits (NWPs), LDENR Coastal Use Permits, and local levee board permits. Responsible for ***managing delivery of environmental documents and permitting and coordinating with LADOTD and permitting agency staff.***
04/16 – 06/23	**Pete's Highway Interchange Alternative and Environmental Assessment (EA), LADOTD, Livingston Parish, LA.** *Ecology Lead* for wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the NEPA EA.
09/19 – 06/22	**Environmental Support Services IDIQ Contract, GDOT, Statewide, GA**. *Project Manager and Ecology Lead.* Responsible for ***management of embedded environmental staff completing technical studies and environmental documentation*** on behalf of GDOT, including review of consultant documents. Designed and developed ecology initiatives for the GDOT OES including guidebooks and toolkits to update the Environmental Procedures Manual, training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.
10/15 – 04/18	**North Bayou Black Drive/Hanson Canal Bridge (Off-System Bridge Program), LADOTD, Terrebonne Parish, LA.** *Senior Ecologist*. Completed technical reviews of the Biological Resources, Wetland Findings Report, and required exhibits prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.

Firm employed by. ARCADIS			Meets MPR No. 1 & 2
Name	**Eric Kalivoda, PhD, PE**	Years of relevant experience with this employer	1
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		**Principal-in-Charge**	

As a Technical Advisor, Dr. Kalivoda brings nearly 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 ***collaborating with federal, state, and local officials*** to resolve issues and pursue opportunities. Worked with the legislature and industry partners to enact transportation and infrastructure legislation. Provided ***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***. 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) ***administering one-time funding for large-scale projects***; (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. ***Directly oversaw Compliance Programs*** (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. ***Managed operating and capital budgets*** 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.

Firm employed by. ARCADIS				Meets MPR No. 3
Name	**Douglas Tilt, PE**		Years of relevant experience with this employer	24
Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 1996 / Civil Engineering, Georgia Institute of Technology – Main Campus	
Active registration number / state / expiration date			PE. 33502 / LA / Exp. 03/31/2028	
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Technical Advisor**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Tilt is the National Practice Lead for Safety, Traffic Engineering (TE), Intelligent Transportation Systems (ITS), Geographic Information System (GIS), and Database Management services for the Arcadis U.S. and has more than 28 years of experience in ITS planning, design, and integration, TE, transportation planning, and transportation design. He has managed and designed numerous projects throughout the southeastern U.S. and globally, including safety analysis, design, traffic signal projects, intersection improvement projects, traffic and corridor studies, and roadway concept development.
06/13 – Ongoing	**ITS Maintenance Retainer Contract – Program Management and Maintenance Management System (MMS), LADOTD, Statewide, LA.** *ITS Technical Advisor/Quality Assurance and Quality Control*. Responsible for ***overseeing the development, implementation and management of 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. Arcadis provided routine and responsive maintenance for the DOTD's statewide ITS infrastructure. Such infrastructure includes CCTV cameras, DMSs, RVD, and ramp meters, totaling more than 500 sites statewide. 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.
08/09 – 03/11	**Baton Rouge to Lafayette ITS – Traffic Incident Management Phase 2, Louisiana Department of Transportation and Development (LADOTD), Multiple Parishes, LA.** *ITS Design Manager/Quality Control Manager.* Provided ITS design, construction, and integration services. Responsibilities included managing, leading, and reviewing design of fiber optic and wireless communication along with 13 Closed-Circuit Television (CCTV) cameras and Radar Vehicle Detectors (RVD), 4 Dynamic Message Signs (DMSs), and 2 Highway Advisory Radios on I-10, I-49, US 90, and US 190 between Baton Rouge and Lafayette. Managed and reviewed monthly project reports, schedule, and budgets. ***Interacted with the client and other stakeholders on a regular basis for project progress review meetings.*** Conducted and supervised several field trips to verify design requirements and to meet technical specifications.
01/17 – 01/19	**North Avenue Smart Corridor, City of Atlanta, Fulton County, GA.** *Project Manager and Senior Engineer*. Responsible for the design of the North Avenue Smart Corridor Demonstration Project. Launched in September of 2017, this ***critical project improved the multimodal traffic operations for 2.3 miles of North Avenue which links some of the City's most important businesses.*** The deployment included dedicated shortrange communication (DSRC) and cellular based communication to test and evaluate various connected vehicle applications at difference transmission rates and user saturations rates. Applications

	included collision warning and avoidance, emergency vehicle preemption, roadside advisor, and signal detection. In addition to broadcasting these basic safety messages, signal phasing, and timing information is also transmitted. The project also included the deployment of an adaptive signal systems, travel time detection system, and smart pedestrian detection. The technologies deployed tie back to the technology hub in Renew Atlanta's offices.
2014 – 2017	**New Orbital Highway and Truck Route Design-Build (DB), Qatar Public Works Authority "ASHGHAL, Doha Qatar** *Project ITS Technical Lead*. Responsible for this ***design-build project.*** The contract involved two of the New Orbital Highways that included a 38km roadway network with 7 interchanges and 1 tunnel. The project also included truck only facilities to separate passenger and commercial truck traffic. ITS requirements included a communication network with Lane Control Signs (LCS), Dynamic Message Signs (DMS), magnetometers, License Plate Recognition (LPR) cameras, and CCTV cameras. Responsibilities included ITS device layout design, coordination with other disciplines, design report and documentation, and overall ASHGHAL design guideline and specification adherence. Arcadis was appointed in the role of ***Lead Designer*** by the QDVC / Bin Omran Joint Venture. Arcadis were appointed in the role of Lead Designer to deliver concept preliminary and ***detailed design services encompassing all highway disciplines including road, drainage, utilities, geotechnical, structural, landscape and irrigation, lighting, traffic and ITS engineering***. In addition Arcadis are providing In-Construction Monitoring services to ensure construction compliance with the design.
01/15 – 01/23	**I-95 ITS Design, FDOT, St. Johns County, FL.** *Project Manager.* Responsible for the ***I-95 ITS*** in St. Johns County. As part of FDOT's robust Freeway Management program, managed the ***preparation of plans, specifications and estimates, for a 34-mile segment on I-95*** running southeast from the City of Jacksonville, FL. At the onset of the design effort, he helped prepare the system engineering documents required by 23 CFR Section 940. In parallel with this effort, he ***designed the network architecture to expand Florida's SunGuide system*** to include three Layer 3 communications hub at ***critical interchanges.***
02/14 – Ongoing	**On-Call Professional Services Statewide Safety Improvement Program, GDOT, Statewide, GA.** *Technical Advisor and initial Project Manager* for delivery and oversight for 43 Task Orders (TOs) over four years. Participated in the scoping review and cost estimate preparation/negotiations for services, including Program Support, TE studies, Road Safety Audits (RSAs), Menu of Services Design, and 32 TOs ***combining concept, preliminary design, and final design*** through GDOT Plan Development Process. Led the Arcadis team in coordination with Office of Traffic Operations (OTO) and the Districts, crash screenings, Intersection Control Evaluation, and TE studies. After project identification and scoping, worked with OTO, Office of Program Delivery, and design project managers to ***effectively transition the project to the design phase,*** then oversaw and tracked project scope to avoid unnecessary changes in the design process and proactively address any risks that came through design.
02/14 – Ongoing	**On-Call Professional Services Railroad Crossing Safety Program, GDOT, Statewide, GA.** *Technical Advisor for* i***mprovements to multiple at-grade railroad crossings*** throughout GA, ***prioritizing site locations based on safety analysis and stakeholder input.*** Coordinated with local municipalities, railroad authorities, and the GDOT Office of Utilities to gather necessary data, address community concerns, and communicate project progress. ***Project included conducting comprehensive safety assessments and developing recommendations*** for improvements at over 900 crossings statewidePrepared detailed reports for each crossing, documenting existing conditions, environmental evaluations, and proposed enhancements for both state and federal agencies, and delivered regular updates to GDOT and FRA. Developed signing and marking plans for four major corridor studies, covering more than 250 crossings as part of the master contract.

Firm employed by. ARCADIS			
Name	**Jonathan Langley, PE**	Years of relevant experience with this employer	17
Title	Principal Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering, University of Central Florida	
Active registration number / state / expiration date		Professional Engineer – #035667 / GA / Exp. 12/31/2026	
Year registered	2011	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Technical Advisor**	

Mr. Langley brings a wealth of Design-Build (DB) General Engineering Consultant (GEC) experience for Tennessee Department of Transportation (TDOT), specializing in DB projects on both the owner and contractor sides. As the Program Manager for Georgia Department of Transportation's (GDOT) DB GEC/Construction Engineering and Inspection (CEI) contract, he oversees a dynamic team of over 550 GEC/CEI staff, driving the execution of complex DB projects across Georgia. Having worked on DB projects since 2007, Mr. Langley has a deep understanding of owner requirements and expectations that includes program and project management, transportation design, and an embedded role with GDOT's office of alternative delivery. He brings a focus on project execution, emphasizing schedule prioritization, quality control, risk mitigation, and design budgets. He is committed to leveraging his expertise to support this TDOT GEC program, verifying that the latest national best practices are effectively implemented for you.

Experience dates	Experience and qualifications relevant to the proposed contract
06/15 – Ongoing	**GEC/CEI Office of Alternative Delivery (OAD) On-Call, GDOT OAD, Various Locations, GA.** *GEC Project Manager.* Overseeing $100 million of DB GEC/CEI assignments on the current contract adding up to a combined of more than $74 million when including the previous contract across a total of more than 100 Task Orders (TOs). ***Leads a team of technical advisors and subject matter experts (SMEs) in developing, managing, and delivering alternative delivery projects for GDOT's Public Private Partnership Division throughout GA.*** Specific project management experience includes: developing technical scopes, assembling scalable teams, and managing TOs for a range of pre-let and post-let project types concurrently; overseeing technical deliverables, including: design, environmental, geotechnical, survey database, right of way, subsurface utility engineering, and utilities; coordinating with SMEs from GDOT, Project Management Consultant (PMC), and other agencies to facilitate project delivery, resolve issues, and garner support; identifying and tracking risks; supporting communications outreach and stakeholder coordination efforts; managing conflict of interest for team members and subconsultants; developing delivery schedule acceleration strategies; supporting quality control/quality assurance of all deliverables; post-let project reviews; providing construction inspections oversight; and identifying and implementing continuous improvement procedures to further streamline project delivery.
05/22 – Ongoing	**Project Adventure, GDOT, Morgan/Newton/Walton County, GA.** *GEC Project Manager* of four DB projects that include more than 1 mile of US 278 widening, about 3 miles of new location frontage road parallel to I-20, a new service interchange on I-20, and grade-separation of US 278 at a railroad crossing. ***Leading the team to develop the interchange concept and receive Interchange Justification Report approval from Federal Highway Administration in a record 7 months***. Closely coordinates with key stakeholders from the GA Department of Economic Development, the local Joint Development Authority, and a major auto manufacturer to deliver on the state's commitments within their Economic Development Agreement (EDA).

	Overseeing the efforts to deliver costing plans, Georgia Environmental Policy Act (GEPA)/National Environmental Policy Act (NEPA) environmental documentation, request for proposal (RFP) technical provisions (TPs), and served as Technical Advisory for GDOT. Implementing a Distributed Management Approach to deliver the project on a highly accelerated schedule and employed GDOT's first use of the innovative Directed Scope Concept Report. Serving as Project Manager for pre-let and procurement phases, while continuing to provide oversight and guidance within the post-let phase.
04/24 – Ongoing	**Project Environmental Assessment, GDOT, Bryan County, GA.** *GEC Project Manager.* Responsible for three concurrent DB projects with separate lettings, including about 3.5 miles of new location frontage road parallel to I-16, more than 2 miles of US 280 widening with eight roundabouts, and a new service interchange on I-16 at Old Cuyler Road. Following the success of Project Adventure, ***serving as Project Manager to stand up this economic development project, which has been a top priority for the state*** as a part of their Economic Development Agreement with Hyundai Motor Group. Overseeing the development of design, costing plans, GEPA/NEPA documents, RFP TPs, and the kick-off of post-Let activities for transportation improvements in this area. Also works with the GEC's quality management team for the quality of deliverables, while still completing timely engineering design and documentation within the many complex project constraints, such as the I-16 Weigh-in-Motion equipment, evolving mega-site grading designs, existing and proposed utilities, existing cell tower, and adjacent county projects.
02/14 – 02/16	**SR 299 at I-24 Bridge Replacement (Accelerated Bridge Construction [ABC]), GDOT OAD, Dade County, GA.** *PMC Project Manager* to replace the SR 299 bridge over I-24 on its existing alignment. This was the first application of the ABC method in GA. Oversaw pre-Let activities and development of the RFP. Coordinated with national ABC SMEs to develop standards for the RFP, including the SP 999 for Lateral Slide and Self-Propelled Modular Transporters. ***Oversaw the procurement process, including the review and acceptance of Alternative Technical Concepts***, selection of a successful bidder, and award of the DB project to the contractor. Post-let, responsible for kicking off the construction and final design, regular risk tracking/management, and SME reviews of the contractor's design submittals.

Firm employed by. ARCADIS			
Name	**Matt McDow, PE**	Years of relevant experience with this employer	27
Title	Project Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering, Georgia Institute of Technology	
Active registration number / state / expiration date		PE. 028726 / GA / Exp. 12/31/2026	
Year registered	2003	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Technical Advisor**	

Mr. McDow is a trusted, proven, and dedicated Project Manager and certified Managing Successful Programs (MSP) Practitioner with more than 25 years of hands-on experience successfully delivering transportation projects, including management of more than 10 On-Call Contracts and Programs for the Georgia Department of Transportation (GDOT) and Metro Atlanta clients. He specializes in the management of design of roadway, bridge, intersection, streetscape, and pedestrian improvement projects. His effective management style is demonstrated on every project through listening to clients' needs, communicating internally and externally, his ability to scope and deliver a project within an agreed-upon price and schedule, and motivating individuals. He is well-versed in GDOT's Plan Development Process (PDP) and permitting requirements, has completed GDOT's PDP training course, and uses the process to advance projects, reduce delays, and maximize efficiency. He leverages his knowledge of the GDOT's PDP process with MSP principles to efficiently deliver the projects under this Region 1 On-Call Contract.

Experience Dates	Experience and qualifications relevant to the proposed contract
11/15 – Ongoing	**Region 1 General Engineering Services (Multiple Project Identification Numbers [PI #s]), GDOT, Ridge Valley and Upper Piedmont Region, GA.** *Project Manager*. Responsible for providing GDOT a wide scope of engineering services within Region 1. Since 2015, works with GDOT to develop and refine processes to efficiently scope, procure, and deliver Task Orders (TOs); and is currently doing so for TOs on the two active contracts. ***Balances the appropriate level of involvement in all TOs with overall program management.*** Applying lessons learned from past On-Call Contracts has been critical to the expeditious scoping and delivery of this volume of work. Develops tools such as the TO Dashboard, which began as a spreadsheet and expanded to the current robust Online Dashboard to enhance management of the contract's growth. This dashboard was the foundation for similar dashboards used by other consultants for the Region 2 and 3 contracts. Leads the team to deliver large volumes of work. Engages in all projects ***while allowing the project teams to handle day-to-day activities and verifies schedule, scope, and budget goals are met.*** Working with GDOT, implementing processes to improve TO scoping, procurement, and delivery. Meets monthly with the GDOT Contract Manager, Bryan Lott, to review the status of the contract. Utilizes the TO Dashboard to review contract status, including Disadvantaged Business Enterprise percentage, current amount of active TOs, and remaining contract capacity. Reviews the detailed list of TOs and discuss specific project/TO challenges and how to best mitigate the challenges. Focuses on the big picture contract management and trusts the team of project managers to manage the day-to-day details of each project. ***Meets individually with project managers monthly to review the status of each project and relays lessons learned, process changes, and suggests improvements to the team.*** Arcadis has developed a system to notify all major schedules that are upcoming in the next six months. This allows to efficiently follow up with the team to ***verify deliverables are on schedule and work with project managers*** to develop a plan.

01/10 – Ongoing	**Operational Improvement Program On-Call (Multiple PI #s), GDOT, Statewide, GA.** Office of Program Delivery (*OPD)/Office of Design Policy and Support (ODPS) Liaison and Quality Assurance.* Arcadis has supported the program since its inception in 2010. ***Helped initiate, develop, and enhance the program through program management, project development, and project delivery.*** Since the program expansion in 2015, Arcadis has evaluated more than 500 corridors and/or intersections for applicability. This resulted in developing more than 80 project synopsis packages for staff and committee review. These packages included evaluation of sometimes complex operational deficiencies, development of conceptual sketch of the proposed improvement, preparation preliminary cost estimates, and quantification of delay savings for the proposed improvement. Designed to be produced at a lower cost and in a shorter time than a traditional transportation enhancement (TE) study. These packages have been used to gain committee support on more than 30 projects while saving GDOT's money on preliminary engineering fees.
08/16 – Ongoing	**Traffic Safety Design Services On-Call (Multiple PI #s), GDOT, Districts 3 and 6, GA.** *OPD/ODPS Liaison and Quality Assurance*. Arcadis is currently working with GDOT's safety team to deliver the traffic safety design services on-call program in Districts 3 and 6. TE studies and concept reports are prepared for cost-effective mitigation solutions***. GOASIS is a tool Arcadis developed***, in coordination with GDOT, for tracking and data mining of safety locations across the state. ***Prepares full construction plans in accordance with the PDP*** and federal/state guidelines. Arcadis has completed 14 full TE studies, six full concept reports, eight corridor road safety audits, six case studies of five-lane corridor transitions, 17 quick response projects, and design packages. Lessons learned throughout the process and working closely with GDOT staff, resulted in improved quality control/quality assurance.
02/16 – 02/21	**Woodstock Transportation On-Call Services, City of Woodstock, Woodstock, GA.** *Project/Contract Manager*. Responsible for managing transportation design services to identify challenges, needs, and constraints to develop and ***prioritize viable, cost-effective transportation solutions.*** Supported the city in addressing capacity and ***operational needs of critical corridors***. Services included traffic modeling and planning, survey, roadway design, and environmental services.
01/08 – 12/20	**Transportation Engineering On-Call Services, DeKalb County Public Works, DeKalb County, GA.** *Project/Contract Manager.* Program tasks included traffic engineering; construction management (review of budget, costs and contractor bids, and project development); land surveying and geographic information system database capabilities; geotechnical engineering, including archaeological assessments, historical preservation analysis, categorical exclusion, and site investigations; bridge and roadway design; and land acquisition with emphasis on obtaining right-of-way and environmental permits.
01/07 – 12/19	**Marietta Engineering On-Call Services, City of Marietta, Marietta, GA.** *Project/Contract Manager*. Responsible for designs, including major roadways, intersections, and pedestrian/bike improvements. Project scopes ranged from preconstruction services, such as environmental permitting, surveying, and concept development to traffic engineering to construction management.

Firm employed by: Stanley Consultants			
Name	Ed Wedge, PE	Years of relevant experience with this employer	5
Title	Principal Civil Engineer	Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization		BS / 1985 / Civil Engineering	
Active registration number / state / expiration date		PE #24613 / LA / Exp. 09/30/2026	
Year registered	1992	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Technical Advisor**	

As former Deputy Chief Engineer for the Department of Transportation and Development (DOTD), Mr. Wedge has a thorough understanding of policy, standards and processes required to perform as an engineering consultant working for DOTD. He is knowledgeable about DOTD program management and development with respect to the environment, project design and management, construction traffic engineering, system preservation and improvements of highway bridges. While working at DOTD, he managed the Traffic Section, Construction and Consultant Contracts, Environmental, and Project Development for roads, bridges, programs, geotechnical, right-of-way and survey.

Experience dates	Experience and qualifications relevant to the proposed contract
01/13 – 06/21	**Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Deputy Chief Engineer*. ***Administered all matters, including engineering, related to the programs of the state of Louisiana*** with respect to the environment, project design and management, construction, traffic engineering, system preservation and regulation of highways and bridges, and other special programs as may be directed by DOTD Chief Engineer or DOTD Secretary. Assisted in the approval process of all plans, specifications, and estimates for the construction of all facilities and projects for which the office is responsible. ***Oversaw four direct reports with responsibilities in the areas of highways and bridges.*** Specifically, the Traffic Section, the Contracts Section (construction and consultant), the Environmental Section, and the Project Development Division (Road, Bridge, Project Management, Geotechnical, R/W, Survey). Planned, organized, and evaluated the respective missions and activities of each unit, which ***included approximately 360 staff members***. Routinely conferred with Assistant Secretaries, DOTD Division Chiefs, District/Section Administrators and managers to coordinate work efforts, communicate operational and managerial needs, utilize resources, eliminate duplication of efforts, and facilitate ***achievement of the Department's overall goals***. Participated in conferences with other state and federal agency officials to correlate administrative and operational programs.
04/11 – 01/15	**Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Project Management Director***.** Directed implementation and execution of DOTD's Project Management Section. Coordinated with Chief Engineer, Project Development Chief, Project Delivery Steering committee, and Program Managers to ***maintain project delivery timely***. Directed a staff of PMs responsible for ***high risk, technical, complex, environmental sensitive, regionally important and schedule constrained projects.***
07/08 – 04/11	**Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Section Head over Consultant Contracts, Contracts and Specifications and Project Control.* ***Monitored the processes and procedures of the Consultant Contract Services Unit***, which is responsible for all contract and procurement actions for planning, environmental, engineering, and construction engineering consultant services. Monitored the processes and procedures of the Contracts &

	Specifications unit which is responsible for developing the construction specification package and the construction proposal; responsible for advertising projects for construction bids, issuing addenda, and assembling final contract documents afterward. Monitored the processes and procedures of the Project Control unit which is responsible for ***managing and operating DOTD Construction Bid letting process in accordance with federal requirements*** and the state public bid law. Met and conferred with the Chief Engineer, participated in meetings with federal officials, consultants, contractors, and other stakeholders relative to the operations of Contract Services.
06/06 – 07/08	**Louisiana Department of Transportation & Development (LADOTD), Baton Rouge, LA.** *Consultant Contract Services Administrator.* Provided or recommended policy related to the procurement of consultant engineer and related contract services, determined compensation for those services, and processed all contract actions for those services. ***Counseled Project Managers and other department personnel*** to aid and guidance concerning the procurement process and in the proper management of engineering and related services contracts. Monitored the consultant evaluation system. Evaluated the qualifications of firms competing for engineering and related services projects. Chaired the Consultant Selection Committee. Presented the short-listed firms to the Secretary for final selection. Met with representatives of consultant engineering firms to provide feedback, information on the selection process and to provide answers to specific questions concerning selection and contract issues.
07/01 – 06/06	**Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Engineer 6.* Supervised all aspects of preconstruction engineering performed by consulting engineers and in-house design staff. Provided ***guidance in all areas of plan preparation including hydraulic design, geometric design*** and verifying conformance with the American Association of State Highway and Transportation Officials "Green Book". The range of projects included design of freeways, urban arterials, rural collectors, and major and minor bridge replacement projects.
05/00 – 07/01	**Office of Planning and Programming at LADOTD, Baton Rouge, LA.** *Engineer 6.* Provided the feasibility, scope and budget of new construction and reconstruction projects. Prepared alignment studies. ***Monitored the scope and estimated costs of projects during plan development. Reviewed and made recommendations*** regarding requested changes in the scope and/or budget for projects in planning development.
02/92 – 05/94	**Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Design Engineer.* Supervised a design squad, ***checked design calculations and detail drawings reviewed plans for completeness***. Reviewed and approved plans and specifications submitted by consultant engineers.

Firm employed by. ARCADIS			
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		**Technical Advisor - Construction**	

Experience dates	Experience and qualifications relevant to the proposed contract
	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.
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.* ***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.
11/15 – 08/16	**LA 1027, E. End W. Colyell Bridge – LA 447, LADOTD, Livingston Parish, LA.** *Area Engineer.* 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.
11/13 – 01/16	**I-12, Walker to 0.5 West of Satsuma, LADOTD, Livingston Parish, LA.** *Area Engineer.* 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.
06/14 – 06/15	**LA 444, Gum Swamp Road – LA 22, LADOTD, Livingston Parish, LA.** *Area Engineer*. 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.***
04/13 – 12/14	**US 190, W. Jct LA 63 – Tangipahoa Line, 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.
10/11 – 02/14	**I-12, LA 1026 – LA 447, LADOTD, Livingston Parish, LA.** *Area Engineer.* 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.

Firm employed by. ARCADIS				Meets MPR No. 3
Name	**Jose L. Rodriguez, PE**		Years of relevant experience with this employer	3
Title	Senior Roadway Engineer		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date			PE.0030492 / LA / Exp. 03/2027	
Year registered	2003	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Project Managemnt Plan; Task leader for Design, Engineering & Survey; Plan Development and Letting Support**	

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 LA, TX, GA, and NC. He has worked closely with the Louisiana Department of Transportation and Development (LADOTD), City of New Orleans Department of Public Works, New Orleans Sewer and Water Boards, Plaquemines Parish, Jefferson Parish, **St. Bernard Parish**, U.S. Army Corps of Engineers (USACE), and New Orleans Regional Planning Commission. His experience includes a wide range of projects including Stage 0 feasibility and safety studies, safety design, **environmental assessments**, and design projects. He has extensive experience in Inroads, Autodesk Civil 3D, and Leap Bridge for Concrete Bridge Design. Mr. Rodriguez served on the American Concrete Institute Louisiana Board, becoming President of the Louisiana Chapter in 2010.

Experience dates	Experience and qualifications relevant to the proposed contract
02/22 – 04/25	**I-10 Calcasieu River Bridge Public Private Partnership (P3), LADOTD, Calcasieu Parish, LA.** *Senior Roadway Engineer* for the I-10 Calcasieu Bridge Replacement P3 project. ***Coordinated and developed roadway design plans*** for the Project, ensuring compliance with LADOTD standards. ***Led the evaluation of geometric designs*** and horizontal and vertical alignments. Collaborated with multidisciplinary teams to address right-of-way requirements, drainage design, and interchange modifications. ***Provided technical guidance*** during the alternatives analysis and contributed and ***constructability reviews*** throughout the project lifecycle.
04/21- 04/22	**Lee Drive (Highland Road to Perkins) Final Design Study Report, Move East Baton Rouge, East Baton Rouge Parish, LA**. *Senior Roadway Engineer and Designer.* Responsible for coordinating and ***developing concept drawings to evaluate the geometric feasibility of different roadway alternatives***, proposed improvements, and anticipated right-of-way (ROW) needs. Provided technical guidance to help identify green infrastructure opportunities along the project. Also assisted in the implementation of Complete Street regulations for the corridor. During the alternative's selection process, ***conducted cost estimates to evaluate and select the preferred alternative.***
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. Arcadis developed several bridge alternatives including fixed and moveable bridge options. ***Alternatives were evaluated with respect to construction cost, ROW, traffic and safety, and environmental resources***. All

	study methods and results were documented in a Stage 0 Feasibility Report with Preliminary Scope and Budget Checklist and Environmental Checklist.
01/08 – 05/08	**I-12 to Bush Corridor Study Phase III, LADOTD, St. Tammany Parish, LA.** *Roadway Designer.* Responsible for evaluating environmental issues and ***developing design alternatives in accordance with the National Environmental Policy Act*** for transportation improvements.
05/12 – 12/15	**Earhart Boulevard Causeway Interchange, LADOTD, Orleans Parish, 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 $59 million. Responsible for the ***development of all horizontal and vertical alignments*** and developing all roadway cross sections, drainage design, utility conflict resolution, and cost estimating for the project. Bentley InRoads was used for the development of the roadway plans for this project.
02/10 – 06/11	**I-10 from Veterans to Clearview, LADOTD, Jefferson Parish, 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 also included bridge work to accommodate the new roadway widening. Also responsible for the alignment and design of concrete sound walls along the corridor. Helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
07/09 – 07/15	**Peters Road Expansion, Phases I, II, and III, LADOTD, Jefferson and Plaquemines Parishes, 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, approach roadways to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with the local parishes, LADOTD, and the USACE.
10/17 – 03/18	**Traffic Turn Lanes on Highway LA 3127, Yuhuang Chemical Inc., St. James Parish, LA.** *Quality Control (QC).* Review for the design of two turn lanes into the Yuhuang Chemical Methanol plant. Provided the owner with ***construction design services*** for the duration of the construction phase.
12/15 – 01/16	**Magnolia Ridge Levee Project, St. Charles Parish, St. Charles, LA.** *QC.* QC review and plan preparation for the Magnolia Ridge Levee project for St. Charles Parish.
06/04 – 01/11	**Causeway Boulevard Interchange Improvements Phase I and II, LADOTD, Jefferson Parish, LA.** *Roadway Designer.* For the project, which consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at grade and elevated ramps to ***provide better accesss, improve safety, and ease congestion*** at this heavily traveled interchange. Responsible for evaluating existing girders, the design of new precast concrete girders, and the ***roadway plan preparation*** for this project. Also responsible for evaluating and design of new sewer and water lines for the project, as well as coordinating the removal and replacement of all utilities affected by the new roadways or/and structure foundations.
02/07 – 10/09	**John James Audubon Bridge Approach (Design-Build), 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-feet main span. Also in charge of the QC for all bridge approaches and the design of all precast concrete girders for the project.

Firm employed by: ECM			
Name	**Blake Guidry, PE**	Years of relevant experience with this employer	6
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering	
Active registration number / state / expiration date		PE. 41362 / LA / Exp. 09/30/2027	
Year registered	2017	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Construction Support Task Lead**	

Mr. Guidry has 13 years of engineering experience in design, contract administration and construction engineering and inspection (CE&I) including four years with LADOTD. His project experience includes highway, road and bridge construction projects, roadway safety projects, roadway and bridge rehabilitation, drainage repair and enhancements, utilities relocations, emergency reconstructions, access management projects, and pedestrian facility improvements. Mr. Guidry is ATSSA-certified Traffic Control Supervisor, Work Zone Traffic Control Flagger and Local Public Agency/CE&I.

Experience dates	Experience and qualifications relevant to the proposed contract
05/26 – Ongoing	**Jimmie Davis Bridge (Louisiana Highway [LA] 511) - Construction of New Bridge crossing the Red River and Rehabilitation of Old Structure into a Linear Parkway – LADOTD Project State Project (SP) No H.001779, Bossier and Caddo Parishes, LA.** *Project Manager* for this ***$361 million Design-Build Project*** to construct a new four-lane Red River Crossing on LA 511 between Bossier and Caddo Parishes. The scope for Bridge structure includes four major piers crossing the river and fourteen spans providing access to the adjacent parkways. Roadway work will include reconstruction of LA 511 into a median separate corridor and construction of Americans with Disabilities Act (ADA) compliant bicycle and pedestrian facilities. Responsible for all quality control inspections, materials sampling and testing and final materials certification during the project closeout.
05/26 – Ongoing	**Louisiana Highway (LA) 1: Leeville to Golden Meadow (Phase 2), Leeville and Golden Meadow, LA.** *Project Manager*. This **$463 million** project is an 8.63 mile long fixed concrete and steel structure elevated highway over the marshlands between the town of Leeville and Golden Meadow, Louisiana. The project is being constructed by "Top-Down" method of construction where a moveable temporary steel support bridge is built and occupied by the Contractor's construction equipment, while the permanent concrete bridge is built below. ***Construction for this elevated highway*** involves building the temporary steel support bridge to support all construction equipment; permanent concrete pile driving; installation of precast concrete pile caps; installation of precast concrete girders; pouring of concrete decks, concrete barrier rails and surface roadway both asphaltic concrete and PCC paving.
08/19 – 10/20	**I-10: Highland to LA 73 Design-Build Project**, **LADOTD, East Baton Rouge (EBR)/Ascension Parish, LA.** *Assistant Project Engineer* for this ***$77 million design-build project*** to widen I-10 from four to six lanes in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, roadway lighting replacement, and bridge modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73. Assisted Project Engineer and prepared close out documents including final estimate and 2059.

09/17 – 04/19	**Essen Lane Widening, EBR Parish, LA** *Project Engineer* for this ***$7.9 million roadway widening project***. Work included adding an additional travel lane on northbound Essen Lane, new signalized intersections, new ADA ramps at all driveways and intersections, and additional drainage capacity. He coordinated the work and schedules inspections with the City of Baton Rouge, LADOTD Section 45, and LADOTD District 61 Traffic section. As the ***Contract Administrator of this project***, ***attending progress meetings, document management, data entry in Site Manager, manage Requests for Informations (RFIs), review plan change requests, review monthly pay estimates, prepare plan changes, and keeping concise record of all documents.***
08/19 – 05/20	**Roundabout at Girard Park and Hospital Drive.** *Project Engineer* for this CE&I project involving the construction of a **Portland Cement Concrete Pavement** (PCCP) roundabout at the formerly four-way stop at Girard Park Drive and Hospital Drive. Work activities also included the installation of drainage pipe and erection of a structural retaining wall, signing, and striping. Acted as the *Contact Person* for the client, Lafayette Consolidated Government, and the LADOTD Project Coordinator. Also for ***construction administration*** and ***quality assurance inspection services including attending progress meetings, scheduling, overseeing inspection services,*** entering contractor payment requests in the Site Manager, preparation of change orders, document management and project closeout documentation for final acceptance, including the 2059.
10/15 – 12/17	**Rafe Meyer Bridges.** *Department of Transportation and Development (DOTD) Project Coordinator* for the Off-System Bridge replacement of two slab span bridges located on Rafe Meyer Road in EBR Parish. Also a ***Contract Administrator over the construction inspection and engineering*** being performed by a consulting firm. Present at all project updates and included in all discussions regarding changes or issues arising in the field. Also made independent site visits as well as having inspectors present during the ***critical phases of construction***. Involved in the decision with the DOTD Secretary, Contractor, and local government officials to postpone removal of second bridge until the debris disposal was complete in the aftermath of the August 2016 flood.
03/23 – Ongoing	**University Avenue Phase 1: 100' S RR-500' S I-10 EB Ramp.** *Project Engineer* for this CE&I project for Lafayette Consolidated Government (LCG) administered through LADOTD. This is a corridor enhancement and road diet project on University Avenue (formerly LA 182) in Lafayette Parish. The work included rehabilitation of the existing concrete pavement and curbs, overlay of the ***existing pavement, earth work, class II base course, PCCP patching, drainage structures, pavement markings, sidewalks and drives, handicap ramps, lighting,*** and green infrastructure and landscaping. Acts as a *Contact* for the LADOTD Project Coordinator and Lafayette Parish. His responsibilities included overseeing inspections, reviewing contractor pay requests, preparing change orders, document management, entering data in Site Manager and Headlight, and project closeout documentation for final acceptance, including the 2059.
05/22 – 08/23	**Jude and Placide Road Bridges.** *Project Engineer* for this CE&) project involving the removal and replacement of existing timber bridges on Jude and Placide Road in Vermillion Parish. The work included the installation of cast in place concrete flat deck bridges and approach slabs, base work, asphalt paving, and drainage work. The drainage work consisted of closing in the existing ditches on either side of both bridges with storm drainpipe, catch basins and manholes, outfall pipes and riprap, and safety end treatments. Acted as the *Contact* for the LADOTD Project Coordinator and Vermillion Parish. His responsibilities included ***overseeing inspections, reviewing contractor pay requests***, preparing change orders, document management, entering data in Site Manager and Headlight, and project closeout documentation for final acceptance, including the 2059.

Firm employed by. ARCADIS			
Name	**Henning von Mantey**	Years of relevant experience with this employer	3
Title	Project Quality Manager	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		MBA / 1995 / University of Applied Sciences Niederrhein	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Quality Manager**	

Mr. von Mantey is a Quality Management Professional with more than 30 years of experience in quality assurance (QA), quality control (QC), and process optimization across manufacturing, operations, and engineering environments. He has extensive expertise in leading quality programs, establishing procedures and standards, and supporting compliance with client requirements and project specifications. He routinely serves as the Primary Point of Contact for quality-related matters, verifying that deliverables meet contractual, regulatory, and organizational expectations. As a Certified Lean Six Sigma Green Belt, he applies proven methodologies to drive continuous improvement, optimize processes, and enhance operational performance. He has strong experience in root cause analysis, corrective action implementation, and sustaining improvements through data-driven decision-making. Additionally, he is an experienced Auditor and Quality Coach with excellent communication skills, capable of translating complex technical information into clear, actionable insights for stakeholders at all levels.

Experience dates	Experience and qualifications relevant to the proposed contract
04/24 – Ongoing	**I-285 Westside Express Lanes from I-20 to I-75 General Engineering Consultant, Georgia Department of Transportation (GDOT), Metro Atlanta, GA.** *Project Quality Manager.* The GDOT I-285 Westside Express Lanes project consists of the development of two barrier-separated express lanes in each direction along a 10-mile corridor from I-20 to I-75 in west Atlanta, including concept development, cost estimation, environmental documentation, surveys, public outreach, and coordination with adjacent projects. ***Serves as the Primary Point of Contact for all quality-related matters on the I-285 Westside Express Lanes project.*** Maintains and implements project-specific Quality Management Plan, supporting full compliance with GDOT and ***Arcadis quality standards***. ***Oversees QA/QC processes, including peer reviews and verification*** of deliverables, to verify that all project outputs meet established requirements. Develops and ***enforces quality procedures***, guidelines, and continuous improvement strategies to optimize project performance and enhance efficiency. Establishes data collection and performance measurement processes to monitor outcomes and drive process improvements. Leads subconsultant audits and facilitates adherence to project procedures and quality requirements.
07/24 – Ongoing	**I-16 Express Lanes corridor (I-95/Chatham to SR 67/Bulloch) Project, GDOT, GA.** *Project Quality Manager.* This project supports the development of the I-16 widening and express lanes corridor through preparation and review of multidisciplinary deliverables, including environmental reports, technical memoranda, hydrology and hydraulics analyses, and project planning documentation. Responsible for overseeing the implementation of QA/QC processes for all project deliverables. Supports validation of key work products, facilitates ***proper documentation of review comments, and promotes consistent application of quality procedures to deliver accurate and high-quality results.***

03/25 – Ongoing	**I-75 South Metro Express Lanes, GDOT, GA,** *Project Quality Manager.* This project supports the development of the I-75 express lanes corridor through preparation and review of multidisciplinary deliverables, including traffic analyses, environmental documentation, planning studies, and public outreach materials. Responsible for overseeing the implementation of QA/QC processes for all project deliverables. ***Performs QA verification within the structured QC review process, verifying that deliverables have undergone appropriate originator, reviewer, and back-check procedures*** prior to final submission. Facilitates that all work products, including technical memoranda, layouts, and communication materials, are complete, accurate, and compliant with Arcadis standards and client requirements. Provides guidance to project teams on QC procedures, supports proper documentation and traceability of review comments, and supports consistent application of quality processes to achieve high-quality project outcomes.
04/23 – Ongoing	**Arcadis U.S., Inc., Atlanta, GA**, *Quality Coordinator/Project Quality Manager.* Provides quality management support across Arcadis Mobility projects, contributing to a portfolio impacting over 400 projects. ***Maps and standardizes engineering workflows and develops discipline-specific processes to improve consistency, efficiency, and compliance***. Leads and facilitates quality audits with project teams to improve understanding of requirements and facilitate adherence to quality standards. Performs root cause analysis in collaboration with cross-functional teams to identify issues and implement effective corrective and preventive actions. Monitors the effectiveness and sustainability of process improvements to support long-term success. Collaborates with global teams to incorporate best practices into the delivery of design work for clients.
10/14 – 04/23	**Southern Tea LLC, Marietta, GA.** *Senior Manager, Quality and Compliance. S*erved as the Primary Point of Contact for customer quality issues and external audit requirements. Led internal audits and analyzed audit findings to verify compliance with regulatory requirements and internal quality standards. Established and ***promoted a continuous improvement culture*** across the organization, ***strengthening operational performance and quality outcomes***. Worked closely with cross-functional teams to support consistent execution of processes and adherence to established procedures.
05/09 – 12/13	**Alno AG, Germany.** *Corporate Quality Manager, Quality and Compliance.* Directed quality control activities and audit processes related to logistics operations and product quality. Coordinated and led process optimization initiatives with both customers and suppliers to improve efficiency and operational performance***. Implemented and maintained Quality Management Systems*** across four manufacturing plants, facilitating compliance with International Organization for Standardization 9001 standards.
09/95 – 04/09	**Motorola GmbH, Taunusstein, Germany.** *Operations Manager/Customer Satisfaction Manager.* Implemented a Supplier Scorecard system across Europe, the Middle East, and Africa to improve supplier performance and quality outcomes. Performed project coordination and leadership functions, supporting successful execution of operational initiatives. ***Served as an Auditor and Six Sigma Trainer, contributing to the development of quality capabilities within the organization.*** Managed Sales and Operations Planning processes to support alignment between customer demand and operational capacity

ROADWAY DESIGN STAFF

Firm employed by. ARCADIS			Meets MPR No. 10
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 ***roadway and bridge general plan designs, line and grade report development, and cost estimates*** 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.
09/09 – 03/12	**Kansas Lane – Garrett Road Connector Environmental Assessment/Interchange Modification Request, LADOTD, Ouachita Parish, LA.** *Lead Engineer.* Performed ***geometry and roadway design*** 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. ***Improvements to the pedestrian and bicycle facilities*** 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 ***geometric layouts*** of the mainline highway, bridge, and adjacent roadways to ***mitigate impacts to environmentally sensitive resources*** and local residential, commercial, and historical interests.
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 ***Environmental Assessment*** 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. ***Developed roadway geometry, line and grade, construction sequencing strategies, and construction cost estimates.***
04/13 – 07/14	**US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, LADOTD, St. Tammany Parish, LA.** *Lead Roadway Engineer.* Performed ***geometry and roadway design, line and grade study development, and cost estimates*** 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.
05/14 – 05/15	**Joe Sevario / Roddy Road Roundabouts, LADOTD, Ascension Parish, LA.** *Task Manager and Lead Roadway Engineer.* Performed ***geometric and roadway design and developed cost estimates*** 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.** *Roadway Engineer.* Performed ***geometric and roadway design, prepared preliminary plans, and developed cost estimates*** 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.** *Lead Roadway Geometrics and Cost Engineer.* Designed geometric layout of safety improvements, including access management, restrictive intersections, and added turn lanes. Developed ***construction cost estimates for proposed improvements to assess feasibility of proposed alternatives***.
11/14 – 10/15	**LA 44 and Loosemore Road Roundabout, LADOTD, Ascension Parish, LA.** *Deputy Project Manager and Lead Roadway Engineer.* Performed ***geometric and roadway design, conducted preliminary subsurface utility investigation, and developed cost estimates*** 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.** *Roadway Engineer*. 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.** *Roadway Engineer.* 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, ***collaborated with Parish representatives and utility companies***, 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.** *Deputy Project Manager and Lead Roadway and Drainage Engineer.* Developed ***preliminary and final design*** plans and specifications for a 2,540-foot prestressed concrete girder/column bent bridge, highway approaches, and frontage roadways.

Firm employed by. ARCADIS			
Name	**Shamindra Fernando, PE**	Years of relevant experience with this employer	25
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering, Mississippi State University	
Active registration number / state / expiration date		PE. 038182 / GA / Exp. 12/26	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Plan Development and Letting Support**	

Mr. Fernando has more than 25 years of transportation engineering experience with a strong emphasis on roadway and pedestrian design. He is highly skilled in developing horizontal and vertical alignments, drainage systems, erosion control, right-of-way, maintenance of traffic, and signing and marking plans. Mr. Fernando is experienced in cost estimation, materials testing, and providing construction support, as well as designing on- and off-road bicycle facilities and integrating pedestrian streetscape features using urban design principles to minimize impacts on adjacent properties. He has managed all phases of project design, from concept through final plans and construction support, consistently delivering practical and context-sensitive solutions for a variety of transportation agencies and municipalities.

Experience dates	Experience and qualifications relevant to the proposed contract
04/18 – 12/25	**Monroe Bypass, Georgia Department of Transportation (GDOT), Walton County, GA.** *Roadway Design Lead.* ***Performed preliminary design and plan development***, Right-of-Way (ROW), drainage design, and erosion control plans. Constructed a 4.7-mile bypass around the historic downtown area, beginning at SR 11, approximately 0.5 miles south of the city limits, and ending at SR 83. Connected the bypass to the existing James Huff Road and SR 10/US 78 intersection. ***Designed the bypass*** to feature two 12-foot travel lanes (one in each direction) with 10-foot outside shoulders (6.5 feet paved). Designed intersections to include single 12-foot right- and left-turn lanes. Maintained the existing James Huff Road/SR 83 segment as a four-lane road with 12-foot lanes and a combination of raised and depressed medians.
05/19 – 06/26	**SE Rome Bypass, GDOT, Floyd County, GA.** *Roadway Design Lead.* ***Performed preliminary and final design plans***, drainage design, signing and marking, staging, and erosion control plans. Constructed a new 4.6-mile connector to provide an alternate route around the city. Began the project at SR 101, tying to EDS-27(154) – the South Rome Bypass, and continued on a new location ending at the SR One Loop. Designed a bridge over Callier Springs Road. ***Designed the proposed roadway*** as a rural four-lane divided highway with a 44-foot grassed median and 10-foot-wide outside shoulders (6.5 feet paved). Designed a Diverging Diamond Interchange (DDI) at US 411/SR 20. Classified the SE Rome Bypass as a rural arterial with a 55-mph design speed. Designed ramp speeds ranging from 45 to 55 mph depending on location.
05/23 – 06/26	**I-575 @ Ridgewalk Parkway DDI, GDOT, City of Woodstock, Woodstock, GA.** *Design Manager.* ***Modified the existing interchange*** at I-575 and Ridgewalk Parkway in Cherokee County, GA ***from a traditional diamond interchange to a DDI***. Covered a project length of 0.51 miles. Included existing ramp widening, adding turn lanes, widening existing lanes, extending the existing right lane to Woodstock Parkway, roadway improvements on Olde Rope Mill Parkway, rebuilding walls, and adding sidewalks.
03/23 – 03/25	**Watkinsville Truck Bypass, GDOT, Oconee County, GA.** *Roadway Design Lead.* ***Performed concept design*** and prepared the concept report. ***Developed an alternate route*** around Watkinsville to reduce downtown traffic congestion and improve truck connectivity between SR 15/Greensboro Hwy and US 441/US 129/SR 24. Redirected truck traffic from downtown

	Watkinsville to connect to these routes. ***Evaluated two bypass alternatives***, each consisting of a rural two-lane road with eight-foot-wide outside shoulders (6.5 feet paved) and a new intersection on US 441/US 129/SR 24, featuring a turbo roundabout for access to the Watkinsville Bypass. Alternative one spanned 3.3 miles, ending near SR 15/Greensboro Hwy at Green Ferry Road. Alternative two spanned 3.6 miles, ending at SR 15/Greensboro Hwy at Flat Rock Road with a single-lane roundabout. Both alternatives included one new at-grade railroad crossing.
01/18 – 02/19	**Ridge Trail Extension, City of Woodstock, GDOT, Woodstock, GA.** *Lead Engineer.* ***Extended the Ridge Trail for approximately 1,100 feet*** for the City of Woodstock. Removed the existing cul-de-sac on Ridge Trail and terminated at a proposed new residential development within Woodstock. Constructed two 11-foot-wide travel lanes (one in each direction). Constructed a 10-foot-wide multiuse trail on the north side of the roadway, separated by a five-foot-wide grass buffer. Constructed curbs and gutters on both sides of the roadway. Completed all construction on the ROW site owned by the City of Woodstock. Established a posted speed limit of 20 mph. Improved east-west mobility within the City of Woodstock.
01/23 – 03/24	**SR 140 Corridor Study, GDOT, Cherokee and Fulton County, GA.** *Design Manager.* Examined traffic and safety issues, ***conducted comprehensive risk assessments***, and evaluated potential geometry concerns along the corridor of SR 140 from I-575 to SR Nine. ***Prepared recommendations for road improvements***, including corridor widening; analyzed multi-lane and single-lane roundabouts, intersection improvements, passing lane improvements, improvements under design curves, and added medians and enhanced pedestrian features; and prepared cost estimates. Identified SR 140 as primarily a two-lane minor arterial with intermittent turn lanes. Covered a corridor length of 16.7 miles.
01/12 – 01/15	**Franklin Road Widening, City of Marietta, Cobb County, GA.** *Roadway Design Lead.* Widened and reconstructed Franklin Road from Twin Brooks Drive to Las Colinas Apartments. Included intersection improvements, a five-foot sidewalk and 10-foot multi-use trail on each side of the roadway, an 18-foot landscaped median, and street and pedestrian lighting along both shoulders. Covered a total project length of 0.52 miles.
01/02 – 12/04	**Lewis Road Bicycle and Pedestrian Improvements, City of Powder Springs, Cobb County, GA.** *Project Engineer*. ***Widened and relocated an existing rural two-lane facility*** to an urban two-lane facility with bicycle lanes, sidewalks, and a multi-use trail. Included replacement of an existing bridge over Powder Springs Creek and construction of a new grade separation bridge over Norfolk Southern Railroad for the 1.308-mile project.
05/99 – 11/99	**Intersection Improvement, SH 199 at FM 51, Texas Department of Transportation, Springtown, Parker County, TX.** Widened and reconstructed an existing intersection and included the addition of turning lanes, drainage improvements, signage, and striping of improved facilities. ***Performed plan production and prepared quantity takeoffs***.

Firm employed by: ARCADIS			
Name	**Gabriel Arias, PE**	Years of relevant experience with this employer	1
Title	Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering, Auburn University	
Active registration number / state / expiration date		PE. 0042599 / LA / Exp. 09/30/2027	
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Arias has more than nine years of experience performing complex geometric design for roadway projects, including horizontal and vertical alignment, hydraulic design cross drain pipes (CDPs), and open ditches, turn lane design, striping and signage, structural design analysis and QC, traffic management plans, and roadway plan production. As a roadway design engineer, Gabriel has direct experience utilizing Louisiana Department of Transportation Development (LADOTD)'s Roadway Design Procedures and Details Manual.

Experience dates	Experience and qualifications relevant to the proposed contract
02/24 – Ongoing	**I-10 Calcasieu River Bridge P3, Calcasieu Parish, LA.** *Roadway Engineer* ***Assisted with the preparation and review of roadway design plans*** and documentation. ***Supported geometric design*** evaluations, prepared CAD drawings, and contributed to the development of roadway design plans. ***Coordinated with design team*** members to gather data, address design challenges, and ensure timely completion of project deliverables. Helped review design submittals and incorporated feedback from multidisciplinary teams and project reviewers.
03/17 – Ongoing	**I-49 Supplemental Environmental Impact Statement, LADOTD, St. Tammany Parish, LA.** *Roadway Engineer*. ***Performed roadway concept design*** layout and plan/exhibit production. Conducted a Supplemental Environmental Impact Statement 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. Developed multiple design alternatives in conjunction with LADOTD that resulted in the conversion of US-90 to I-49.
11/20 – Ongoing	**Lee Drive (Highland Road to Perkins Road), MOVEBR, Baton Rouge, LA.** *Roadway Engineer*. Reconfigured Lee Drive to a "complete street" layout, including pedestrian accommodations, bike lanes, and shared use paths. ***Peformed roadway design***, plan production, QC, and client coordination.
06/16 – 02/17	**LA 435 to LA 40/LA 41, LADOTD, St. Tammany Parish, LA.** *Project Engineer*. Constructed a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway was approximately 19.8 miles in length and began at LA 434, north of the existing LA 434 interchange with I-12, and traversed in a northeasterly direction until encountering an abandoned rail corridor. It then followed the rail corridor, terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with ***roadway geometric design, including horizontal and vertical alignment, hydraulic design*** for storm drains, CDPs and open ditches, structural design analysis and QC, traffic management plans, and roadway plan production for the new 5.5 mile, four-lane RA-3 roadway from LA 435 to Bush, LA.

07/13 – 06/16	**Bayou Mercier Road/Berard Canal Bayou, LADOTD, St. Martin Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis and roadway design*** for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.
07/13 – 02/17	**Derrick Road Bridge, LADOTD, Iberville Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis and roadway design*** for the replacement of the existing off-system bridge timber structure with a slab-span concrete structure.
07/13 – 02/17	**Jude & Placide Road Bridges, LADOTD, Vermilion Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis and roadway design*** for the replacement of the existing off-system bridges' timber structures with slab-span, concrete structures.
06/18 – 10/19	**Mid-Barataria Diversion Design, Plaquemines Parish, LA.** *Project Engineer*. Planned, engineered and designed services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with ***detour roadway alignment creation/selection, Temporary Traffic Control planning, and plan preparation.***
07/13 – 10/16	**City of Thibodaux Overlay Projects, LADOTD, Lafourche Parish, LA.** *Project Engineer*. Completed chip sealing, joint and crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. Prolonged the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with ***roadway geometric design including horizontal alignments, selection of pavement treatment*** type, hydraulic design for storm drains, CDPs and open ditches, and roadway plan production.
09/13 – 02/17	**Pecan Island Road Bridge Over The Chenal, LADOTD, Pointe Coupee Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with bridge design, hydraulic analysis, and ***roadway design*** for the replacement of the existing off-system bridge timber structure with a customized slab-span concrete structure.
07/13 – 02/17	**Gracie Lane Bridge, LADOTD, Iberville Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis, and roadway design*** for the replacement of the existing off-system bridge timber structure with a slab-span concrete structure.
04/14 – 02/17	**Lajaunie Rd/Lateral 1 Bayou St. LADOTD, Clair, Lafayette Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis, and roadway design*** for the replacement of the existing off-system bridge timber structure with a slab-span concrete structure.
11/15 – 02/17	**Babin Rd./Bayou Narcisse, LADOTD, Ascension Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis, and roadway design*** for the replacement of the existing off-system bridge timber structure with a slab-span concrete structure.
09/13 – 02/17	**West 15th Avenue/Mile Branch, City of Covington, St. Tammany Parish, LA.** *Project Engineer*. Performed topographic field surveying and assisted with ***bridge design, hydraulic analysis, and roadway design*** for the replacement of the existing bridge timber structure with a customized slab-span concrete structure. Included an integral pedestrian/bicycle path and a custom barrier to separate pedestrians and vehicles.

Firm employed by: ARCADIS			
Name	**Craig Raymond, PE**	Years of relevant experience with this employer	8
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0042715 / LA / Exp. 03/31/2027	
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Raymond's experience encompasses geometric design of levees, highways, streets, roundabouts, and aprons, as well as preparing environmental permit drawings. He has worked on a wide range of roadway and civil design projects, including geometric design, line and grade, and typical sections to support Louisiana Department of Transportation and Development (LADOTD) projects. His responsibilities have included preparing engineering designs, plans, and specifications; developing cost estimates; coordinating with permitting agencies; and providing project oversight.

Experience dates	Experience and qualifications relevant to the proposed contract
04/13 – 07/14	**US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, LADOTD, St. Tammany Parish, LA.** *Roadway Engineer*. Conducted an ***Environmental Assessment*** for the replacement of the US-11 Bridge, which included widening of US-11 from two lanes to four lanes from US-190 north to I-12. Provided ***alternative development, geometric and roadway design, line and grade, and plan preparation*** for two alternatives.
12/13 – 06/15	**LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA.** *Roadway Engineer*. Collected roadway information and performed ***roadway design*** to preserve and enhance safety and mobility of the corridor. The project included improvement considerations such as median opening channelization, turn lane storage, median closure, among others.
05/14 – 05/15	**Stage 0 Feasibility Study - Joe Sevario / Roddy Road Roundabouts, LADOTD, Ascension Parish, LA.** *Roadway Engineer*. Performed ***geometric and roadway design, and developed cost estimates*** for the replacement of 10 existing stop-controlled intersections with single-lane roundabouts.
11/14 – 11/15	**LA-44 and Loosemore Road Roundabout Feasibility Study, LADOTD, Ascension Parish, LA.** *Roadway Engineer*. Performed ***roadway design*** for the improvement of existing roadway infrastructure at the intersection of LA-44 and Loosemoore Road. The project included design for incorporating modern roundabouts to the interchanges to enhance mobility and safety, ***collected data from all existing utilities and developed cost estimates***.
01/14 – 12/14	**Pete's Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA.** *Roadway Engineer* for the I-12/South Range Avenue interchange improvements. Provided ***alternative development, typical sections, line and grade, and plans detailing right-of-way and utilities***.
11/16 – 08/19	**LA 88 Roundabouts Preliminary Plans, LADOTD, Iberia Parish, LA.** *Roadway Engineer.* Developed plans for two single-lane roundabouts at US 90/LA 88 ramp terminals, including service road modifications to J-Turns and new U-Turn locations.
07/15 – 06/17	**US 190B at Jefferson Avenue Roundabout Design, LADOTD, St. Tammany Parish, LA.** *Roadway Engineer.* Completed ***preliminary roadway design plans*** based client comments. Developed MicroStation files such as typical pavement section and details, plan and profile sheets, and construction sequencing sheets.

Firm employed by: ARCADIS			
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	Civil Engineer
Contract role(s) / brief description of responsibilities		**Roadway Design**	

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.
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.
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, 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 estimates.

Firm employed by. Stanley Consultants				Meets MPR No. 10
Name	**Adam Fields, PE**		Years of relevant experience with this employer	8
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			BS / 2005 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE # 35614 / LA / Exp. 09/30/2026	
Year registered	2010	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Roadway Design**	

Mr. Fields is experienced in the design of local roads, highways, and roundabouts in accordance with Louisiana Department of Transportation and Development (LADOTD) standards and specifications. His experience includes project/task management, roadway alignment studies; development of horizontal and vertical geometrics; typical sections; intersection details; roadway drainage calculations, earthwork design; development of traffic control and staging plans, roadside safety features and development of quantities, technical specifications, and construction cost estimates. He is skilled in developing three-dimensional roadway models and performing roadway design utilizing MicroStation, AutoCAD, Civil 3D, InRoads and OpenRoads software. He also holds certifications in Traffic Control Technician and Traffic Control Supervisor.

Experience Dates	Experience and qualifications relevant to the proposed contract
10/18 – 04/22	**LA 30 Roundabouts at Tanger & I-10, DOTD, Ascension Parish, LA.** *Civil Engineer* for providing oversight for all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, Louisiana. ***Provided quality assurance (QA)*** of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for this project.
11/18 – 04/22	**I-12 LA 1077 to LA 21, DOTD, St. Tammany Parish, LA.** **Design Lead for horizontal and vertical alignment**, typical sections, sequence of construction with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Used design tools including MicroStation with CadConform, Bentley InRoads, and Microsoft Excel.
01/17 – 06/18	**Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish Government, St. Tammany Parish, LA.** *Civil Designer* for design of approximately three miles of mill and overlay, completed bridge replacement over Timber Branch, and ***developed a shared-use path*** connecting LA 1077 to LA 21.
04/25 – Ongoing	**US 167 Median Improvements, DOTD, Lafayette, LA.** *Project Manager* for closely coordinating both internally with design leads and Stanley design staff as well as LADOTD District 03 project managers and design personnel to maintain that the project scope is clearly defined and the project purpose and need and are satisfied completely through the delivery of the construction plans. Conducted scoping and review meetings, performed email and phone coordination, completed QA/QC reviews and reporting, and delivered plans. Served as the main point of contact to meet District requirements.
10/18 – 11/22	**US 171 at Boone St. Roundabout, DOTD, Vernon Parish, LA.** *Civil Engineer* for providing oversight for all necessary engineering and related services required for the ***design of a multi-lane roundabout*** along US 171. The project included engineering services to develop construction plans for a multi-lane (hybrid) roundabout at the intersection of US 171 and Boone Street to improve safety and efficiency while utilizing best access management practices along the corridor.

	Performed QA of typical sections, roadway geometrics, roundabout geometrics, drainage design, and driveway details for the project.
09/24 – Ongoing	**US 190 R-CUT at LA 741, DOTD, St. Landry Parish, LA.** *Project Manager* for coordinating both internally with design leads and Stanley design staff as well as LADOTD District 03 project managers and design personnel to maintain that the project scope is clearly defined and the project purpose and need and are satisfied completely through the delivery of the construction plans. ***Conducted scoping and review meetings***, performed email and phone coordination, completed QA/QC reviews and reporting, and delivered plans. Served as the main point of contact to meet District requirements.
05/24 – Ongoing	**Inter. Imp. on LA 92 at LA 733 & Gallet Rd, DOTD, Lafayette, LA.** *Project Manager* for the overall indefinite delivery/indefinite quantity contract for parishes in LADOTD's District 03. Performed task order duties for a roundabout intersection improvement project on LA 92 at LA 733 and realignment of curves on LA 92 at Gallet Road, including conducting a pre-design ride, ***preparing manhour proposals and fee estimates for design***, leading kickoff meetings, and coordinating activities between District staff and subconsultants. Performed design oversight and QA/QC, managed scheduling and invoicing, and maintained timely submittal milestone deliveries.
01/23 – 12/25	**I-20 Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA.** ***Design Lead for horizontal and vertical alignment***, typical sections, sequence of construction with minimum temporary traffic control layout, erosion control layout and permanent pavement markings in accordance with DOTD specifications, standards, and design criteria. Used design tools including MicroStation with CadConform, Bentley InRoads, and Microsoft Excel.
01/14 – 11/17	**LA 442 Tangipahoa River Bridge Replacement, DOTD, Tangipahoa Parish, LA.** **Design Lead for horizontal and vertical alignment**, typical sections, and sequence of construction with minimum temporary traffic control layout and striping in accordance with DOTD specifications, standards, and design criteria for emergency replacement of the LA 44 bridge over the Tangipahoa River. Used design tools including MicroStation with CadConform, Bentley InRoads, and Microsoft Excel.
01/12 – 02/14	**I-49 N, Segment K – Phase 1, DOTD, Caddo Parish, LA.** **Project Engineer for *developing sequence of construction plans, temporary pavement*** marking layouts for maintenance of traffic during construction, joint layouts and graphical grades, retaining wall layout, and prepared quantities and cost estimates. Used design tools including MicroStation, Bentley InRoads, and Microsoft Excel.
07/11 – 12/13	**I-49 N, Segment K – Phase 2, DOTD, St. Tammany Parish, LA.** *Project Engineer* for developing sequence of construction plans, temporary pavement marking layouts for maintenance of traffic during construction, joint layouts and graphical grades, retaining wall layout, and ***prepared quantities and cost estimates***. Used design tools including MicroStation, Bentley InRoads, and Microsoft Excel.

Firm employed by: Stanley Consultants			
Name	Aidan Eymard, PE	Years of relevant experience with this employer	1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE # 46220 / LA / Exp. 03/31/2028	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Eymard manages transportation projects, including roundabouts, interstate widening bridge and replacements. He oversees design units, makes engineering decisions, manages projects, and reviews construction plans for quality assurance and quality control. He is proficient in MicroStation, InRoads, ProjectWise, and Bluebeam, and is familiar with DOTD processes. He has worked on projects such as H.010909 (LA 44 widening and roundabout at LA 941) and H.007300 (Kansas-Garrett Connection & I20 Improvements). His experience spans multiple roles at the Louisiana Department of Transportation and Development (LADOTD). He has performed work as a plan development engineer and road design engineer intern/engineer. In these roles, he has developed expertise in computer-aided design, drainage design, item quantification, cost estimation, and plan revisions. Mr. Eymard has demonstrated his capabilities through significant projects and achievements. He served as Engineer of Record (EOR) for updating the DOTD Standard Plan for driveways and presented at the 2025 Louisiana Transportation Conference on design complexities and project coordination efforts during plan development of H.007300.

Experience dates	Experience and qualifications relevant to the proposed contract
04/23 – Ongoing	**H.013941 LA 724 Roundabout at Landry Rd, DOTD, Lafayette Parish, LA.** *Project* ***Manager for providing oversight for all necessary engineering and related services*** with LADOTD coordination. Maintained the quality and completeness of the design and construction plans.
11/23 – Ongoing	**H.012633 LA 1088 Forest Brook Blvd Roundabout, DOTD, St. Tammany Parish, LA.** *Project Manager* for providing oversight for all necessary engineering and related services with LADOTD coordination. ***Maintained the quality and completeness of the design*** and construction plans.
04/25 – Ongoing	**H.016278 US 167 Median Improvements, DOTD, Lafayette, LA.** ***Design Engineer for creating the existing and design drainage maps*** for the project and design and analyzed the existing and proposed drainage structures within the project area.
10/24 – Ongoing	**H.014056, H.005184, and H.014054 I-69 Frontage Roads, DOTD, Stonewall, LA.** ***Project Manager for the overall project delivery.*** Provided input on all aspects of the design. Managed subconsultants, schedules, budgets, coordinated with DOTD stakeholders (including the port, railroad, and others), and worked with DOTD to deliver the project.
07/21 – 07/25	**LA 3125, LA 3274 Roundabout, DOTD, St. James Parish, LA.** *Project Manager* and *Roadway Designer* for drafting and being the EOR for a complete full-sized roadway construction plan set in accordance with LADOTD standards. The work included preparing the title sheet, common sections, summary tables, plan & profiles, drainage maps, geometric details, graphical grade layout, pavement marking layout, permanent sign layout, suggested sequence of construction, and cross sections in MicroStation. The work also included preparing a construction cost estimate and developing a 3-dimensional roadway model in InRoads with multiple horizontal and vertical alignments. The proposed drainage system was developed in HYDRWIN.

	Additional tasks included requesting a budget, completing state authorization checklists, and requesting updates to the Highway Priority Program. ***Prepared design reports, design exceptions***, and other documents required by LADOTD. This project included installation of a single-lane roundabout with bypass lanes at the intersection of LA 3125 and LA 3274.
04/21 – 07/25	**Kansas-Garrett Connection & I-20 Improvements, DOTD, Ouachita Parish, LA.** ***Roadway Designer for drafting and being the EOR for LADOTD's*** portion of a full-sized roadway construction plan set in accordance with LADOTD standards. This work included producing typical sections, guardrail layouts, summary tables, plans and profiles, drainage maps, pavement marking layouts, construction access details, and cross sections in MicroStation and developing a construction cost estimate. A 3-dimensional roadway model was developed in InRoads with multiple horizontal and vertical alignments, and the proposed drainage system was developed in HYDRWIN and the Federal Highway Administration Hydraulic Toolbox. ***Prepared design reports, design waivers***, and other required LADOTD documents and coordinated with multiple consultants. This project included widening Interstate 20 (I-20) to six lanes with a concrete median barrier from U.S. Route (US) 165 to east of Garrett Road.
07/18 – 05/21	**LA 44, Widening and Roundabout at LA 941, DOTD, Ascension Parish, LA.** ***Roadway Designer for drafting*** a complete full-sized roadway construction plan set in accordance with LADOTD standards. This work included preparing the title sheet, typical sections, summary tables, plans and profiles, drainage maps, geometric details, graphical grade layout, pavement marking layout, permanent sign layout, sequence of construction, and cross sections in MicroStation. The work also included preparing a construction cost estimate and developing a 3-dimensional roadway model in InRoads. The proposed drainage system was developed in HYDRWIN. Prepared design reports, design waivers, design exceptions, and other LADOTD-required documents. This project included widening LA 44 to four lanes and installing a multi-lane roundabout at LA 941.

Firm employed by: Stanley Consultants

Name	Aidan Carter, PE	Years of relevant experience with this employer	3
Title	Transportation Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE # 47566 / LA / Exp. 09/30/2027	
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Carter is skilled in geometric design, plan preparation, technical writing, and budgetary estimation. He performs as a Road Designer/Modeler in the transportation group and has prepared conceptual layouts and drawings for roadways and intersections. He is proficient in industry-leading software, including Microstation, InRoads, OpenRoads Designer, and Global Mapper, allowing him to produce highly accurate and compliant designs. He also holds certifications in Traffic Control Technician, Traffic Control Supervisor, and Flagger training.

Experience dates	Experience and qualifications relevant to the proposed contract
04/23 – Ongoing	**H.013941 LA 724 Roundabout at Landry Rd, Department of Transportation and Development (DOTD), Lafayette Parish, LA.** ***Lead Designer*** for design and plan production. This project included the construction of a single-lane roundabout at the intersection of LA 724 and Landry Road near Lafayette, Louisiana. Drainage structures were installed to accommodate additional runoff due to the roadway improvements. Designed horizontal and vertical geometry, ***developed corridor models, and designed subsurface*** and open channel drainage systems. Utilized AutoTURN and Fastest Path procedures to maintain the roundabout safely accommodated anticipated design traffic. Prepared the construction plan set that clearly communicated design intent while complying with DOTD's computer-aided design (CAD) standards.
11/23 – Ongoing	**H.012633 LA 1088 Forest Brook Blvd Roundabout, DOTD, St. Tammany Parish, LA.** *Lead Designer* for plan production. The project included construction of a multi-lane roundabout at the intersection of LA 1088 and Forest Brook Boulevard in Mandeville, Louisiana. Drainage improvements were made to accommodate the road work. The project was part of 3-mile corridor improvement plan, and required coordination with two concurrent projects designed by other firms. Coordinated closely to maintain consistent design intent and appearance. ***Designed horizontal and vertical geometry***, performed drainage design, and developed corridor model. Supported United States Army Corps of Engineers permitting due to proximity to the Coastal Protection Zone and led a small team in plan production to deliver construction plans compliant with DOTD CAD standards.
09/24 – Ongoing	**H.015849 US 190 R-CUT at LA 741, DOTD, St. Landry Parish, LA.** *Engineer* for design support of roadway design. ***Performed horizontal and vertical design*** for a J-Turn. Used AutoTURN to model swept path requirements and verified that design vehicles could traverse the J-turn without off-tracking.
05/24 – Ongoing	**H.014041 Inter. Imp. on LA 92 at LA 733 & Gallet Rd, DOTD, Lafayette, LA.** **QA/QC Engineer for review of horizontal geometry** including high-speed roundabout approaches, horizontal realignment, and superelevation transitions. The project,

	located near Milton, Louisiana, included construction of an off-alignment 3-leg roundabout, remediation of substandard curvature, and reconstruction of turnouts to improve intersection skew angles. The project area contained constraints including significant trees, underground pipelines, a gasoline storage tank, and a church.
01/23 – 12/25	**H.015052 I-20 Widening/Overly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA.** ***Engineering and Design Support*** for aiding in the design of the widening and overlay of a 4-mile stretch of I-20 in West Monroe, Louisiana. The project aimed to improve highway capacity by widening to the inside and installing a median barrier wall. A portion of the project was reconstructed due to insufficient pavement structural capacity, and drainage was modified to accommodate corridor changes.
08/24 – Ongoing	**H.015569 LA 44 I-10 Roundabouts, DOTD, Ascension Parish, LA.** ***Project Engineer for the design of three multi-lane roundabouts along the LA 44*** corridor at the heavily traversed I-10 interchanges in Gonzales, LA. The project included replacing two slab-span bridges and constructing pier protection at the I-10 underpass and a transmission tower. The corridor crossed a pipeline servitude containing at least 17 pipelines.

Firm employed by:	Stanley Consultants		
Name	**Caitlin Marks, PE**	Years of relevant experience with this employer	1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering, University of Louisiana at Lafayette	
Active registration number / state / expiration date		PE #44794 / LA / 03/31/2027	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Caitlin is experienced in the technical design of state and local highways in accordance with DOTD roadway design of this standards and specifications. Her experience has included development of horizontal and vertical geometrics, typical sections, intersection geometrics, roadway drainage design, pavement marking design, sequence of construction design, pavement preservation design, quantity estimates, and construction estimates. She is skilled in the development of three-dimensional roadway models and roadway design utilizing MicroStation, Inroads, and OpenRoads software. Caitlin has her Flagger certification.
04/25 – Present	**H.016278 US 167 Median Improvements, DOTD, Lafayette, LA:** *Lead Design Engineer* responsible for designing horizontal and vertical geometry, typical sections, summary tables, drainage calculations, and suggested sequence of construction. She modeled and created cross sections, budgeted the cost estimate and produced construction plans in accordance with DOTD standards.
09/24 – Present	**H.015849 US 190 R-CUT at LA 741, DOTD, St. Landry Parish, LA:** *Lead Design Engineer* responsible for designing horizontal and vertical geometry, typical sections, summary tables, drainage calculations and suggested sequence of construction. She modeled and created cross sections, budgeted the cost estimate and produced construction plans in accordance with DOTD standards.
05/24 – Present	**H.014041 Inter. Imp. on LA 92 at LA 733 & Gallet Rd, DOTD, Lafayette, LA:** *QA/QC Reviewer* responsible for reviewing plan set.
04/25 – Present	**H.016110 LA 31 Roadway Reconstruction LA 94 to LA 341, DOTD, Breaux Bridge, LA:** *Lead Designer* responsible for designing the typical sections, creating and calculating summary tables, budgeting the cost estimate and producing construction plans in accordance with DOTD pavement preservation standards.
10/24 – Present	**H.015949 LA 335 East Junction LA 694 to LA 14, DOTD, Vermillion Parish, LA:** *Lead Designer* responsible for designing the typical sections, creating and calculating summary tables, budgeting the cost estimate and producing construction plans in accordance with DOTD pavement preservation standards.
10/24 – Present	**H.014824 US 90 Wax Lake, DOTD, Jeanerette, LA:** *Lead Designer* responsible for designing horizontal and vertical geometry, typical sections, summary tables, drainage calculations, and suggested sequence of construction. She modeled and created cross sections, budgeted the cost estimate and produced construction plans in accordance with DOTD standards.
10/24 – Present	**H.015847 US 90 Roadway Reconstruction LA 668 to LA 318, DOTD, Centerville, LA:** *Lead Designer* responsible for designing horizontal and vertical geometry, typical sections, summary tables, drainage calculations and suggested sequence of

	construction. She modeled and created cross sections, budgeted the cost estimate and produced construction plans in accordance with DOTD standards.
04/19 – 10/19	**H.008312 LA 1042 Bridges Near Greensburg, DOTD Greensburg, LA:** This project consisted of bride replacements at three sites along LA 1042. Caitlin was responsible for designing horizontal and vertical geometry, typical sections, summary tables, and drainage sheets. She modeled and created cross sections, developed diversion and detour sheets, budgeted the cost estimate, and produced construction plans in accordance with LaDOTD standards. During construction, she performed construction support by responding to RFI's and completing change orders and revisions.
12/18 – 04/19	**H.012276 US 61, J-Turns at Thomas Rd, DOTD Baton Rouge, LA:** This project consisted of adding access management on US 61 by constructing a directional crossover with median U-turns at Thomas Rd. Caitlin was responsible for performing construction support by completing change orders. This included the redesign of the J-turns and the adjustment of quantities and cost estimates.
12/22 – 02/25	**Harveston Bluebonnet Improvements, East Baton Rouge (EBR) Parish Baton Rouge, LA:** This project consisted of the design of 2 roundabouts along Bluebonnet Blvd. Caitlin was responsible for the design of the sub-surface drainage for the proposed roundabouts in accordance with East Baton Rouge (EBR) standards. This included production of drainage plan and profile sheets, drainage maps, drainage calculations, and the drainage report. She also aided in the fastest path reviews and provided QA/QC support.

Firm employed by.	LAZENBY & ASSOCIATES, INC.		
Name	**Hagan H. Lawrence, PE**	Years of relevant experience with this employer	9
Title	Project Engineer	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE 0043645 / LA / Exp. 03/2028	
Year registered	2019	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Lawrence has nine years of experience in performing drainage design, hydraulic analysis, and development of roadway plans on both LDOTD and local roadway projects. Mr. Lawrence is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Lawrence has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects.

Mr. Lawrence has successfully completed the following continuing education classes, workshops, and seminars:

- LA Specific Traffic Control Technician Course, 2024 (refresher)
- LA Specific Traffic Control Supervisor Course, 2024 (refresher)
- Traffic Engineering Analysis Process & Report Class Module 1, 2 & 3, 2021
- One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022.

Experience dates	Experience and qualifications relevant to the proposed contract
1/16 – 8/17	**Well Road Roundabout, Ouachita Parish, LA.** *Project Engineer.* This project involved the construction of a roundabout at the I-20 westbound ramp terminal with Well Road. Assisted with ***drainage design, preparation of roadway plans***, and quantity calculations (with previous employer). Major tasks performed include typical sections, plan-profile sheets, and modeling/cross section sheets.
02/18 – 03/26	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** *Project Engineer.* This project consists of widening Garrett Road from two lane to 4 lanes and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Assisted with ***subsurface drainage design and assisted with development of drainage*** plan-profile sheets and design drainage maps.
09/24 – Ongoing	**East St & Parkview Dr Sidewalks (Mon), Ouachita Parish, LA.** *Project Engineer.* This project consists of constructing new ADA-compliant facilities within the vicinity of three schools in Monroe, Louisiana. Current task include ***performing design and project management.*** This project is currently in Final Plans awaiting acquisition of the required Right-of-Way by the entity.
12/17 – Ongoing	**Multiple Projects, Ouachita Parish Police Jury Road Program, LA.** *Project Engineer.* An integral team member of the Ouachita Parish Police Jury Road Program. Tasks include developing ***pavement preservation roadway plans, including drainage design and geometric improvements,*** to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Assisted with coordinating utility relocation efforts as required to facilitate construction of these projects.

	Provided professional services to some of the following Ouachita Parish Urban Systems projects: • State Project No. H.011745 – Sandal Street (Reconstruction) • State Project No. H.011784 – Stubbs-Vinson Road (Mill, Patch and Overlay) (Project included 8’ x 8’ RCB) • State Project No. H.013791 – Hadley Street (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.013776 – Well Road (Mill, Patch and Overlay) • State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) • State Project No. H.013804 – Wall Williams (Mill, Patch and Overlay) (Project included a 3 - 8’ x 7’ RCB) • State Project No. H.013805 – Fink’s Hideaway Road (Reconstruction/Mill, Patch and Overlay) • State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay) (Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians) • State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) (Project included adding ADA compliant sidewalks along the length of the road to improve safety for pedestrians) • State Project No. H.014398 – Caples Road (Mill, Patch and Overlay) Assists with construction support on these projects, including answering contractor RFI’s and verifying patching areas.

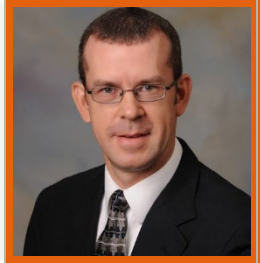
Firm employed by. LAZENBY & ASSOCIATES, INC.			Meets MPR No. 10
Name	James (Ryan) Spillers, PE	Years of relevant experience with this employer	32
Title	Chief Roadway Design Engineer	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 1994 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date		PE. 0028574 / LA / Exp.09/2027	
Year registered	1999	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Roadway Design	

Mr. Spillers has 32 years of experience in planning and designing highways, streets and bridges and related components on LDOTD projects. He has also served as designer and Project Engineer on several federal-aid Urban System projects for the Ouachita Parish Police Jury and City of Monroe. He is familiar with the LDOTD Minimum Design Guidelines, LDOTD Roadway Design Procedures and Details Manual, and the LDOTD Hydraulics Manual, as well as the AASHTO "Green Book", AASHTO Roadside Design Guide, and the Manual on Uniform Traffic Control Devices.

Experience dates	Experience and qualifications relevant to the proposed contract
12/07 – 05/16	**Arkansas Road (LA 616), Ouachita Parish, LA.** ***Senior Roadway Designer.*** This project consisted of widening a 3.2-mile segment of LA 616 from two lanes with open ditches to 5 lanes with subsurface drainage. Responsible charge of developing preliminary and final roadway plans. As part of this project, 4 signalized intersections were replaced with multi-lane roundabouts. Major tasks performed include typical sections, plan-profile sheets, geometric design, striping layout, permanent signing plans, joint layout, modeling/cross section sheets, and developing the suggested sequence of construction. Also ***assisted with the hydraulic study of the subsurface drainage*** systems. The project included one bridge site, where an existing timber bridge was replaced with a RCB.
02/11 – 05/17	**Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA.** *Senior Roadway Designer.* This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. ***Responsible for developing preliminary and final roadway plans***, including designing the subsurface drainage systems for the southern portion of the project. Major tasks included typical sections, plan-profile sheets, drainage plan-profile sheets, geometric design, modeling/cross sections, and developing the sequence of construction. Also performed the necessary hydraulic studies for the two bridge sites. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway.
11/16 – 01/22	**Multiple Projects, Ouachita Parish Police Jury Road Program, LA.** *Senior Roadway Designer.* Served as an integral team member of the Ouachita Parish Police Jury Road Program. Tasks include of ***evaluating parish roadways and developing pavement preservation construction plans***, including drainage design, to preserve and extend the life of Ouachita Parish roadways, many of which are designed and constructed under the LDOTD Urban Systems program. Provided professional services with some of the following Ouachita Parish Urban System pavement preservation projects: • State Project No. H.011743 – 40 Oaks Farm Rd (Ark Rd – Standard Reed)(Mill, Patch and Overlay) • State Project No. H.011783 – Parker Rd (Moore Rd – Garrett Rd)(Mill, Patch and Overlay)

	• State Project No. H.013796 – Tanglewood Drive (La 15 – Dellwood Dr.)(Reconstruction) • State Project No. H.013798 – Harrell Road (US 80 – Arkansas Rd)(Mill, Patch and Overlay) • State Project No. H.013803 – Richwood Road No. 2 (US 165 – Brown Street)(Partial Reconstruction, Partial Mill, Patch and Overlay).
02/18 – 03/26	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** ***Senior Roadway Designer****.* This ***project consists of widening Garrett Road from two lane to 4 lanes*** and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Prepared preliminary and final roadway plans. Major tasks performed include typical sections, plan-profile sheets, geometric design, striping layout, permanent signing plans, modeling/cross sections, and sequence of construction.
08/22 – 12/24	**US 165 Turn Lanes at Scott Drive, Ouachita Parish, LA.** *Senior Roadway Designer.* ***Responsible for preparing roadway plans and contract documents*** for this project, which consisted of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project was funded by LDOTD through Ouachita Parish School Board.
08/23 – Ongoing	**District 05: IIJA Off-System Bridge Replacement Program, LA.** *Senior Roadway Designer.* ***Responsible charge of hydraulic analysis and the development of preliminary roadway plans*** for ten (10) off-system bridge projects in LDOTD District 05 under this contract. Also providing QA-QC reviews of bridge plans. The projects included in this contract are as follows: State Project No. H.015337 – Mineral Springs Road Over Clark Creek, Ouachita Parish State Project No. H.015453 – Hale Road Over Alligator Bayou, West Carroll Parish State Project No. H.015454 – Keppler Creek Road Over Sugar Creek, Jackson Parish State Project No. H.015455 – Spring Creek Road Over Wafer Creek, Lincoln Parish State Project No. H.015456 – Hodge Road Over Cypress Bayou, Madison Parish State Project No. H.015459 – Lapine Road Over Rogers Creek, Ouachita Parish State Project No. H.015460 – Little Road Over Creek, Rapides Parish State Project No. H.015461 – Fire Tower Road Over Rock Creek, Union Parish State Project No. H.015462 – Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish State Project No. H.015463 – White Oak Landing Over Edmonds Creek, Union Parish Final plans have been completed on three of the projects, with the remainder in various stages of final plan preparation.
10/24 – Ongoing	**LA 64: Roundabout @ LA 1019, LA.** ***Senior Roadway Designer****.* Responsible charge of the development of roadway plans for a proposed ***roundabout on LA 64 in Livingston Parish***. This project began as an in-house project at DOTD, where it reached the 30% preliminary plan stage, but was ultimately issued as a task order to DOTD Contract 4400026026 (IDIQ Contract for Roadway Design Safety). Responsible for typical sections, plan-profile sheets, geometric design, joint layouts and graphical grades, pavement striping layouts, and sequence of construction. Also providing QA-QC oversight on the 3D modeling/cross sections and the hydraulic analysis/drainage design.

Firm employed by.	LAZENBY & ASSOCIATES, INC.		
Name	**Randy C. Hammons, PE**	Years of relevant experience with this employer	25
Title	Project Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering	
Active registration number / state / expiration date		PE 0029504 / LA / Exp. 09/2027	
Year registered	2001	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	



Mr. Hammons has more than 25 years of experience in planning and designing highways and bridges on transportation projects in Louisiana, Arkansas, Mississippi, and Tennessee. He has approximately 18 years of experience supervising and processing topographic survey data, including establishing survey control, calculating existing alignments, creating digital terrain models (DTM's), and developing existing drainage maps for LDOTD projects.

Mr. Hammons has successfully completed the following continuing education classes, workshops, and seminars:

- LA Specific Traffic Control Technician Course, 2024 (refresher)
- LA Specific Traffic Control Supervisor Course, 2024 (refresher).

Experience dates	Experience and qualifications relevant to the proposed contract
01/17 – 01/20	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Engineer.* ***Responsible for processing topographic survey*** field data and developing topographic survey maps and images. This retainer contract contained six task orders to perform topographic surveys for various projects over a 3-year time frame. Some of the task orders for Topographic Surveys were as follows: • State Project No. H.003370.5 – I-220/I-20 Interchange and BAFB Access, Route I-220 & I-20 in Bossier Parish (04/2018 – 10/2018). Topographic survey of the proposed I-220/I-20 Interchange and BAFB Access roadway in Bossier Parish using GPS receivers, robotic tota.l stations, SX-10 terrestrial scanner, and mobile lidar. • State Project No. H.007300.5 & H004774.5 – Kansas Lane – Garrett Road Connector and I-20 Interchange in Ouachita Parish (3/2018 – 9/2018) Topographic Survey of the proposed Kansas Lane - Garrett Road Connector and I-20 Interchange using GPS receivers, robotic total stations and a SX-10 terrestrial scanner. • State Project No. H.012036.5 – US 80: Boeuf River Bridge in Richland Parish (03/2019 – 6/2019). Topographic survey for a bridge replacement project at the US 80 crossing of the Boeuf River using GPS receivers, robotic total stations and a SX-10 terrestrial scanner.
10/19 – 03/23	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Engineer.* Responsible for processing topographic survey field data and ***developing topographic survey maps and images***. This retainer contract has contained fifteen task orders to perform topographic surveys for various projects over a 5-year time frame. Some of the task orders for Topographic Surveys were as follows: • State Project No. H.012030 – US 371: KCS RR Overpass HBI, Route LA 159 and US 371 in Webster Parish (10/2020-04/2021). Topographic survey of two bridge replacements over KCS RR using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges.

	• State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021). Topographic survey of two bridge replacement sites using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridges. • State Project No. H.013832.5 – LA 6: Grand Ecore Bridge Deck Repair, Route LA 6 in Natchitoches Parish (04/2021-06/2021). Topographic survey of the existing deck, barrier rails & river pier top of cap elevations for the Grand Ecore Bridge across the Red River using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate complete bridge deck & barrier rails. • State Project No. H.014554.5 – LA 3025: Coulee Mine Scour Repair, Route LA 3025 in Lafayette Parish (04/2021-07/2021). Topographic survey of a bridge located near the intersection of LA 3025 & West Bayou Parkway using GPS receivers, robotic total stations and SX-10 terrestrial scanner to locate bridge, roadway and intersection. • State Project No. H.012541.5 – LA 594: Overpass I-20, Route LA 594 in Ouachita Parish (01/2022-06/2022). Topographic survey of a bridge replacement near the intersection of I-20 and LA 594 (Texas Ave) using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar used to locate 4,200 LF of I-20 mainline and two bridge decks over interstate. • State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022). Topographic survey of a proposed 2.49 mi interstate widening near the intersection of Garrett Road and I-20 using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 7,130 LF of I-20 mainline.
01/20 – Ongoing	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Engineer.* ***Responsible for processing topographic survey*** field data and developing topographic survey maps and images. This retainer contract has contained one task order to perform topographic surveys over a 5-year time frame. The task order for Topographic Surveys is as follows: • State Project No. H.015052.5 – I-20 Widening & Improvements (Vancil to LA 34), Route I-20 in Ouachita Parish (05/2022-01/2023). Topographic survey of a proposed 3.94 mi interstate widening from Vancil Road to LA 34 along I-20 in West Monroe using GPS receivers, robotic total stations and SX-10 terrestrial scanner. Terrestrial mobile lidar was used to locate 20,815 LF of I-20 mainline
11/24 – Ongoing	**I-69 Frtg. Rd. Conn (Ellerbe Rd to LA 1), Caddo Parish, LA.** *Project Engineer*. Project Engineer responsible for processing the topographic survey field data for this project.

Firm employed by.	LAZENBY & ASSOCIATES, INC.		
Name	**Blaine T. Holloway, EI**	Years of relevant experience with this employer	3
Title	Engineer Intern	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		B.S. / 2023 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date		E.I. 0035474 / LA / Exp. 09/2027	
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Mr. Holloway has 3 years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway and bridge plans on a variety of LDOTD (Louisiana Department of Transportation and Development) and local roadway projects. Mr. Holloway is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Holloway also assists in processing topographic survey, creating survey centerline alignments (ALG's) using horizontal regression analysis, and developing digital terrain models (DTM's).

Experience dates	Experience and qualifications relevant to the proposed contract
06/22 – 09/22	**I-20 Widening/Overlay (Vancil Rd to LA 34) Ouachita Parish.** *Engineering Intern.* This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Assisted in post processing the survey data and creating the existing drainage map.
06/23 – 11/23	**Various Projects, City Street Improvements, City of Monroe.** *Engineering Intern.* Assisted with a variety of pavement preservation designs for the City of Monroe. Task includes of developing pavement preservation roadway plans, including hydraulic design, quantity calculations, and construction cost estimates. Some of the City of Monroe projects include the following: • Task Order No. 21-17-001 – Parkview Drive Improvements (Mill, Patch and Overlay) • Task Order No. 21-17-003 – North 6th Street Improvements (Mill, Patch and Overlay).
01/24 – 04/24	**Roundabout Topographic Survey, Task Order No. 2, LA 150 & LA 818. LA.** *Engineering Intern.* Assisted in post-processing topographic survey data, which included developing a digital terrain model (DTM) of the existing site, creating a surveyed centerline alignment via horizontal regression, and conducting a LA One Call and coordinating with utility companies to get their existing facilities incorporated into the topographic survey. Assisted in compiling the LDOTD submittal requirements for this survey.
06/22 – 03/26	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish.** *Engineering Intern.* This project consists of widening Garrett Road from two lane to 4 lanes and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks,

	lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Assisted with quantity calculations during final plan development, as well as assisting with preparation of a construction cost estimate.
10/23 –Ongoing	**IIJA Off-System Bridge Replacement Program, District 05, LA.** *Engineering Intern.* Assisted in the development of preliminary roadway and bridge plans and hydraulic analyses/reports for ten (10) state projects under this contract. Duties included conducting hydraulic analyses utilizing HEC-RAS 1D modeling, preparing hydraulic reports in accordance with LDOTD's Hydraulics Manual, assisting in the development of roadway and bridge plans, calculating of quantities, and developing construction cost estimates. Assisted in the development of topographic surveys for several of the projects under this contract. Task included post processing of survey data, development of digital terrain models (DTM) of the existing sites, creating surveyed centerline alignments via horizontal regression, and utility coordination. Assisted on the following state projects: • State Project No. H.015337 – Mineral Springs Road Over Clark Creek • State Project No. H.015453 – Hale Road Over Alligator Bayou • State Project No. H.015454 – Keppler Creek Road Over Sugar Creek • State Project No. H.015455 – Spring Creek Road Over Wafer Creek • State Project No. H.015456 – Hodge Road Over Cypress Bayou • State Project No. H.015459 – Lapine Road Over Rogers Creek • State Project No. H.015460 – Little Road Over Creek • State Project No. H.015461 – Fire Tower Road Over Rock Creek • State Project No. H.015462 – Pilgrims Rest Church Road Over Steep Bank Creek • State Project No. H.015463 – White Oak Landing Over Edmonds Creek These projects are nearing the final plan stage, where continued assistance will be provided in the development and preparation of final roadway and bridge plans.
10/24 – Ongoing	**LA 64 Roundabout @ LA 1019, LA.** *Engineering Intern*. This project began as an in-house project at DOTD, where it reached the 30% preliminary plan stage, but was ultimately issued as a task order to DOTD Contract 4400026026 (IDIQ Contract for Roadway Design Safety). Performed the 3D modeling and hydraulic analysis/drainage design for this project.

BRIDGE DESIGN AND BRIDGE INSPECTION STAFF

Firm employed by. ARCADIS			Meets MPR No. 11
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.
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**, 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. ***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.** *Bridge Design Engineer and EOR*. Led bridge design to address the partial failure of connection plates attaching girders to straddle bents on an I-10 exit ramp. 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.** *Lead Bridge Design Engineer and EOR*. The total bridge length is 950' and consists of a main span using steel plate girders as superstructure elements over three continuous spans (210'-275'-210'); the bridge approaches to the main spans consist 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. The bridge substructure consists of concrete piers and caps supported on columns, which are supported on drilled shafts and spread on drilled shafts. ***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.** *Lead Engineer and EOR*. The total bridge length is 675' and consists 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 substructure consists of concrete piers and caps supported on precast prestressed concrete piles. 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).** *Lead Engineer*. This bridge consists of a main span using steel plate girders as the primary superstructure elements over three continuous spans (102'-175'-102'); the bridge approaches consist of three 84' continuous spans on the north side and three 84' continuous spans on the south side, for a total structure length of 883' located on a straight alignment with a 68-degree skew relative to a line normal to the centerline of the bridge. The main superstructure elements of the approaches are prestressed concrete AASHTO Type IV girders, and the bridge substructure consists of multi-column bents on concrete footings supported on prestressed concrete piles. 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.** *Structural Design Lead and Project Manager* for the replacement of two bridges in the project. STR#1 over Westinghouse Blvd. and widening of STR#12 over CSX railroads. STR#1 involves replacing the existing structure over I-485 with two prestressed concrete bridges of lengths 125' and 132', utilizing the 63" Florida-I Beam and integral end bents on steel piles. STR#12, over the CSX railroad, is a twin bridge on I-485 with a three-span continuous structure and a total length of 165'. The substructure includes stub abutments on steel piles and multi-column bents on spread footings. ***Managed structural design and coordinated local staff to maintain budget control and timely delivery*** to NCDOT.

Firm employed by. ARCADIS				Meets MPR No. 11
Name	**Osama Shahawy, PE**		Years of relevant experience with this employer	6
Title	Principal 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			Professional Engineer – #0035652 / LA / Exp. 09/2026	
Year registered	2001	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Project Management Plan; Bridge Design**	

Mr. Shahawy has more than **36 years of structural bridge engineering experience** working on a variety of different projects throughout Louisiana and the Southeast, including Stage 0 Feasibility Studies, National Environmental Policy Act studies, and design. He served as Project Manager or Task Lead on more than 100 projects involving extensive bridge plans, specifications, and estimates, as well as rehabilitation and bridge replacement. His experience includes coordinating teams of engineers and other technical personnel in the preparation of bridge plans, specifications, and design/management estimates, including on- and off-system bridges in rural/urban areas with heavy utilities and complex traffic control plans. Mr. Shahawy has a design background that includes strong construction capabilities–a benefit that guarantees constructible technical solutions and more complete construction documents. Leveraging his decades of experience, he will check accuracy, verify compliance to review comments, and confirm that agency and stakeholder comments and concerns are addressed.

Experience dates	Experience and qualifications relevant to the proposed contract
10/20 – Ongoing	**I-10 Construction Management at Risk (CMAR), Louisiana Department of Transportation and Development (LADOTD), East Baton Rouge Parish, LA.** *Lead Bridge Engineer and Engineer of Record*. Responsible for CMAR to improve 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. Responsibilities include ***design and detail of the Nairn Drive Bridge spanning I-10 according to design criteria and LADOTD Bridge Design and Evaluation Manual (BDEM)*** with a signature type bridge and preparing conceptual bridge plans required for the right-of-way corridor. Participates in meetings and works with the CMAR Contractor and LADOTD to develop preferred bridge concepts at completion.
07/11 – 06/12	**I-10 Calcasieu River Bridge, LADOTD, Calcasieu Parish, LA.** *Project Manager and Engineer of Record*. Responsible for bridge inspection that includes four steel deck trusses, as well as a cantilever steel through-truss for the main span portion of the bridge, covering a total length of 6,617 feet with a width of 62.67 feet. Responsible for ***reviewing the as-built and rehab project plans and indexing; developing inspection forms; and reviewing*** the results from the 3D computer model.
10/22 – Ongoing	**Infrastructure Investment and Jobs Act Off-System Bridge Replacement Program, District 01, LADOTD, LA.** *Lead Bridge Design Engineer.* ***Prepares preliminary and final plans of six proposed bridges***, which include 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.
09/21 – 04/25	**Calton Road Overpass, Texas Department of Transportation, Webb County, TX.** *Lead Bridge Designer.* Led final design of the Calton Road Overpass in Laredo, TX, spanning 866 feet over Santa Maria Avenue and Union Pacific Railroad tracks. ***Developed***

	bridge and roadway plans, including a detailed cost estimate. The design featured a 248-foot, two-span continuous steel I-girder unit on column bents, and includes Calton Road widening to maintain access.
02/23 – Ongoing	**Cross Bayou Bridge Replacement, LADOTD, Caddo Parish, LA.** *Bridge Design Engineer and Project Manager.* Conducts ***Stage 0 Feasibility Study to develop and evaluate alternatives for the replacement of two existing bridges*** over Cross Bayou. Develops 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 developing construction plans.
07/11 – 05/13	***Mississippi River Bridge at Vicksburg, Mississippi, LA.*** Project Manager, Engineer of Record. Responsible for the four-lane continuous main steel-truss through-deck bridge that covers a total length of 1,716 ft. and a width of 60 ft. The central truss consists of two symmetrical 640.5 ft. cantilever spans and one 435 ft. drop span. The approach consists of 101 prestressed-concrete spans and reinforced-concrete pier caps. Responsible for reviewing as-built plans and all rehab project plans; indexed *and* ***developed inspection forms****;* supervised and reviewed results from the 3D computer model; model calibration; ***performed QA/QC according to LADOTD BDEM, and assisted in developing the final report.***
04/12 – 05/13	**LA 1 over I-19 Bridge Rehabilitation, LADOTD, Rapides Parish, LA.** *Project Manager and Engineer of Record.* Provided professional inspection, rehabilitation design, and construction engineering services. The bridge is a four-span steel plate girder structure with uneven settlement and rotation at the abutments, requiring rehabilitation to stabilize movement and restore the bridge to its original as-built elevation. Responsibilities included ***preparation of geometric layout plans; bridge design and final plans, specifications, and estimates for the LA 1 Bridge over I-49, in accordance with LADOTD BDEM***. Performed quality assurance/quality control (QA/QC), ***prepared construction cost estimate, and reviewed/revised plans*** based on LADOTD comments.
07/11 – 05/13	**MacArthur Drive Bridge Interchange, LADOTD, Rapides Parish, LA.** *Bridge Design Engineer and Engineer of Record*. Led Phase 1 redesign and widening of the interchange, focusing on design changes for Ramps 7 and 8. Designed deck slabs for 18 spans with Trapezoidal and Bulb-T girders, bearing pads, inverted-T caps, and special pier columns. Oversaw ***geometric and span layout modifications*** and reviewed all plans for compliance with LADOTD standards and quality requirements.
08/20 – 07/21	**I-10 New Orleans to Slidell Hard Shoulder Design, LADOTD, Orleans and St. Tammany Parish, LA.** *Bridge Design Engineer.* Conducted bridge design evaluation for the use of Active Transportation and Demand Management strategies on I-10. The project was to determine the improvements of implementing shoulder lanes on I-10 in the New Orleans East area. Responsibilities included ***preliminary bridge design to determine construction costs*** for widening the eastbound and westbound I-10 under four scenarios, with existing shoulders on I-10 as one of the scenarios. Developed Stage 0 Documentation, including Preliminary Scope and Budget and Environmental Checklists.
07/11 – 05/13	**I-20 Mississippi River Bridge at Vicksburg, LADOTD, Madison Parish, LA/Warren County, MS.** *Project Manager and Engineer of Record*. The four-lane continuous main steel-truss through-deck bridge covered a total length of 1,716 feet and a width of 60 feet. The main truss consisted of two symmetrical 640.5-foot cantilever spans and one 435-foot drop span. The approach spans consisted of 101 prestressed concrete spans and reinforced concrete pier caps. ***Responsible for reviewing of as-built plans and all rehab projects plans***; indexing and developing inspection forms; supervising and reviewing results from the three-dimensional (3D) computer model; model calibration; performing QA/QC according to LADOTD BDEM; and assisting in developing the final report.

Firm employed by. ARCADIS			
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.** *Project Bridge Engineer* 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. The permanent widening consisted of 13 bents and temporary widening consisted of 41 bents. Performed multiple design iterations using Open Bridge Designer software to develop the cap and column design. Worked on sketching rebar layout for aesthetic flared columns for mainline and ramp substructure. Calculated bent cap control elevations and top-of-shaft elevations based on riser elevation data from the superstructure designer and the substructure geometry. Checked the required riser thickness by reviewing the framing plan for different beam types used in the superstructure. 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.** *Staff Bridge Engineer.* 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.** *Staff Bridge Engineer.* Project involves grade separation work at a Union Pacific Railroad (UPRR) crossing which includes constructing seven span overpass bridge with steel plate girders. 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.** *Staff Bridge Engineer.* 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. Phased construction guidelines by TxDOT were utilized while creating typical sections for bridge widening. 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.** *Staff Bridge Engineer* 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. ***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.** *Staff Bridge Engineer* for the new bridge design of a prestressed concrete slab beam bridge with a single span. 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.** *Bridge Engineer.* This project involved designing twin bridges with prestressed concrete girder approach spans and a 3-span continuous steel unit crossing an existing UPRR railroad. ***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. Reviewed the Exhibit-A white paper for UPRR and AREMA guidelines on bridge vertical clearance since the steel unit crosses an existing UPRR railroad. Worked on the cross-frame layout for the steel unit and created multiple options to space the cross frames based on AASHTO and National Steel Bridge Alliance guidelines on staggered cross frames for high skew bridges. Coordinated with CAD engineer to check the BGS output plot by referencing it in the bridge plan master design file created using the MicroStation software program. ***Modeled the steel unit with 3-span continuous plate girders in the MDX software program*** as per the framing plan and ran analysis with all applicable load combinations.

Firm employed by. ARCADIS			
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. Designed and detailed single and multi-column aesthetic flared column bents of I-10 main lane bridge, ramp bridge, temporary and permanent widenings using Open Bridge Designer software. ***Calculated foundation loads and coordinated with geotechnical engineers*** to design drilled shafts, optimizing shaft diameter and length for capacity, settlement, and constructability. 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. Reviewed steel plate girder design calculations. ***Performed steel plate girder camber analysis and developed a web cutting table***. Designed and detailed abutments and bent caps per TxDOT guidelines. Calculated bearing seat elevations and quantities. Updated ***shoring diagram sheets per UPRR and Burlington Northern Santa Fe (BNSF)*** Railway guidelines for railroad live load surcharge. Reviewed bridge plans per TxDOT bridge design and detailing guidelines.
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.
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. Designed four-span prestressed concrete LG54 girder and three-span steel plate girder options for the Market Street bridge replacement. Reviewed LADOTD maximum span length charts to optimize LG girder design options. ***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. Widened the existing seven-span Mustang Creek bridge with Type C beams using Tx40 girders in both directions. Analyzed existing Type C spans for additional load due to the center median and rails using Texas Optional Girder Analysis. Designed proposed Tx40 girders using Bridgelink software and developed strand patterns. ***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. Designed beams, developed strand patterns, and prepared detailed plans for railroad bridge per ODOT and BNSF guidelines. Designed drilled shafts using LPILE software. ***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. 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. Analyzed TxDOT standard bent and span sheets for Tx28 girders using Leap Bridge and Bridgelink software. ***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 for two bridges***, the I-20 Overpass at Hartman and the I-20 Underpass at Anglin Drive. Prepared bridge layout and detail sheets. Calculated bearing seat elevations using BGS software. Designed and detailed CIP, soil nails, and MSE walls.

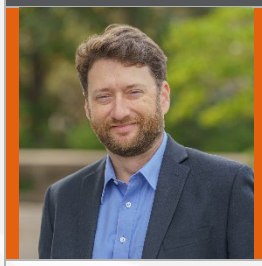
Firm employed by. ARCADIS			
Name	**Badre Enam, PhD, PE**	Years of relevant experience with this employer	18
Title	Bridge Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		PhD / 2008 / Structural Engineering, Florida State University MS / 2001 / Structural Engineering, Bangladesh University of Engineering & Technology BS / 1998 / Civil Engineering, Bangladesh University of Engineering & Technology	
Active registration number / state / expiration date		PE.037647 / LA / Exp. 09/2027	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Bridge Design**	

Dr. Enam has more than 25 years of experience as a Structural Engineer. His professional design experience includes structural analysis and design of steel and concrete structures (using STAAD Pro, SAP 2000, RISA 3D, etc.); deep foundation design using piles and drilled shaft; Finite Element (FE) analysis (using GTSTRUFL, ANSYS); concrete bridges designed as per Load and Resistance Factor Design (LRFD) specifications using prestressed box, bulb-tee and American Association of State Highway and Transportation Officials (AASHTO) girders; railroad bridges; steel plate girder bridges including movable spans; dynamic effects from ship/barge impacts on bridge piers; hydraulic structures such as sector gates, vertical lift gates, and T-walls; residential and commercial buildings; and stability analysis of dams for seismic loading. His responsibilities have included structural design, FE analysis, Plans & Specifications (P&S) preparation, bid document preparation, shop drawing review, cost estimation, and QA/QC.

Experience dates	Experience and qualifications relevant to the proposed contract
01/12 – 08/14	**LPV 145 Bayou Bienvenue Swing Span Bridge, U.S. Army Corps of Engineers (USACE), St. Bernard Parish, LA.** *Bridge Designer of Record* performed P&S level ***structural design of a 135-foot steel swing span bridge over Bayou Bienvenue*** as per AASHTO LRFD specifications and concrete approach slab spans (Louisiana Department of Transportation and Development (LADOTD) standards), founded on pile bents. Performed LRFD-based design of substructure items and foundations of the same bridge, along with quantity takeoffs.
01/14 – Ongoing	**Pete's Highway / I-12 Interchange Environmental Assessment and Interchange Modification Request, LADOTD, Livingston Parish, LA.** *Bridge Engineer* for design alternatives, including 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), as well as a diverging diamond interchange alternative at Range Avenue. Performed ***preliminary design of a bridge spanning over I-12***, which featured LADOTD LG girders. Worked on ***construction sequencing*** to widen Range Avenue under the I-12 overpass, introducing an additional lane by excavating and retaining the existing embankments and providing added vertical clearance under the bridge.
04/13 – 04/14	**US 11 Norfolk Southern Railroad Overpass Replacement Environmental Assessment, LADOTD, St. Tammany Parish, LA.** *Lead Bridge Engineer* for the replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. Included evaluating partial and full access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. Performed preliminary design of a 380-ft long steel

	plate girder bridge span on an S-curve over the Norfolk Southern Right-of-Way (ROW). ***Performed cost estimations and construction sequencing to minimize traffic*** delay during construction.
08/19 – Ongoing	**Alphonse Forbes Road at Sandy Bayou Bridge Replacement, East Baton Rouge City-Parish, Watson, LA.** *Bridge Designer.* Completed a design study, topographic survey, and preliminary and final designs for the Alphonse Forbes Road bridge after its closure and selection by the City-Parish. The engineering responsibilities included the ***development of general plans, foundation layouts, super-elevation diagrams, structural design, detailing, and load ratings*** of various bridge components such as slab spans, bent caps, and approach slabs.
10/15 – 04/18	**Off-System Highway Bridge Replacement, North Bayou Black Drive and Hanson Canal Bridge, LADOTD, Terrebonne Parish, LA.** *Designer of Record and Project Manager* responsible for providing all necessary engineering and related services required for developing plans for the replacement of an off-system highway bridge. Detailed design effort included field surveying, ROW adjustment, crash barrier selection, ***hydraulic analysis, preliminary plan preparation, and quantity estimation***.
06/16 – 12/25	**US 90 Business Signing Upgrade, LADOTD, Jefferson & Orleans Parishes, LA.** *Senior Structural Engineer* for designing the standard overhead and roadside signing structures following LADOTD and AASHTO design standards for the US 90 Business corridor for a length of approximately five miles. Investigated as-built plans for the types, sizes, and clearances of existing bridge girders, barriers, parapets, and deck overhangs to specify the sign-support attachments. ***Designed steel structures, prepared structural quantity estimates, and prepared structural drawings***.
02/09 – 12/09	**US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, USACE, Jefferson Parish and St. Charles Parish, LA.** *Project Structural Engineer* performed ***QC of design calculations and final construction plans*** for P&S level design of a 2,540-foot PPC girder/pile bent bridge and roadway approaches, following AASHTO specifications for coastal regions.
07/10 – 12/10	**State College Boulevard Grade Separation Railroad Bridge, City of Fullerton, CA**. *Project Structural Engineer*. Performed analysis of a three-lane railroad bridge and checked prestressed concrete girder design as per AASHTO LRFD and American Railway Engineering and Maintenance-of-Way Association specifications, including seismic loading using SAP 2000.
04/08 – 11/08	**Buffalo Speedway Southbound Bridge Replacement, Sims Bayou, Harris County Flood Control District, City of Houston, TX.** *Project Engineer* for the forensic investigation of a TxDOT box girder bridge experiencing excessive deflection. Completed ***identification of bridge design deficiencies and validated the remedial action*** suggested.
03/10 – 09/10	**SH 31 Bridge Design, TxDOT, Waco, TX.** *Project engineer* for ***structural design, plan preparation, and quantity estimation*** per LRFD specifications for six TxDOT bridges on Highway SH 31 (over the Navasota River and overpasses over FM 1330 and FM 339). Designed bridge lengths varying from 130 to 240 feet, featuring prestressed U-beams & Type C girders on concrete bents founded on drilled shafts.
05/08 – 09/09	**SH 195 Bridge Design, TxDOT, Williamson County, TX.** *Project engineer* for ***QA/QC of design calculations (LRFD), plans, and cost estimates*** for a roadway overpass featuring twin-bridge structures with skewed spans set in a horizontal curve.
02/08 – 03/09	**FM 1100 Bridge over Willow Creek, TxDOT, Travis County, TX.** *Project engineer* for ***QA/QC design calculations, quantity estimates, and final design drawings*** for a 150-foot-long, two-lane, 44-foot-wide roadway replacement concrete bridge featuring Type A prestressed concrete girders per AASHTO LRFD specifications.

Firm employed by: MODJESKI and MASTERS				Meets MPR No. 11
Name	**Cullen J. Ledet, PE**		Years of relevant experience with this employer	24
Title	Principal Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2000 / Civil Engineering	
Active registration number / state / expiration date			33222 / LA / Exp. 09/30/2027	
Year registered	2007	Discipline	Civil	
Contract role(s) / brief description of responsibilities			**Bridge Design; Quality Contolr & Peer Reviews – Lighting**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Ledet currently serves as a Vice President and Louisiana Regional Unit Director and has been employed in the New Orleans office of Modjeski and Masters, Inc. since 2002. He has prepared designs, plans, and specifications for a number of complex projects both for new structures and rehabilitations. He has also built up the roadway lighting and highway design sections, having managed numerous multidisciplinary projects for the LADOTD and other agencies. As a project manager, he has overseen plan and specification development for various complex projects, both under traditional and alternative delivery models. He also administers open-ended IDIQ contracts and provides QC/QA reviews.
03/17 – Ongoing	**LA 1 – Port Allen Bridge Replacement, LADOTD, Port Allen, LA.** *Deputy Project Manager* for the replacement of the existing northbound and southbound bridge structures on LA 1 over the Intracoastal Canal Waterway (ICWW) in Port Allen, LA. The proposed LA 1 SB Bridge consists of 3 - 12' travel lanes and 2 - 10' shoulders and is approximately 2,680' long. The proposed LA 1 NB Bridge consists of 2 - 12' travel lanes and 2 - 10' shoulders (LA 1 NB roadway), a permanent 2' wide median barrier, and 1 - 12' travel lane with 2 - 6' shoulders (I-10 EB Exit Ramp roadway). The Exit Ramp and LA 1 NB roadway will be separated by a permanent 2' wide median barrier until the LA 1 NB Bridge bifurcates, where the LA 1 NB roadway and I-10 EB Exit Ramp roadway are carried on separate bridge structures. The LA 1 NB Bridge and I-10 EB Exit Ramp Bridge are approximately 2,700' and 354' long, respectively. Both LA 1 NB and LA 1 SB Bridges consist of a 870' long haunched three-span continuous steel plate girder main span unit over the ICWW and prestressed concrete LG girder approach spans. Mr. Ledet serves as Deputy Project Manager for this project and ***provides QC/QA oversight and construction support services.***
12/20 – 03/22	**Cline Ave Bridge, United Bridge Partners, East Chicago, Indiana.** *Project Manager* for several post-construction design tasks. The Cline Avenue Bridge is a 6,236-foot-long precast segmental bridge that spans over several rail lines, Riley Road, and the Indiana Harbor Canal in East Chicago, IN. Mr. Ledet ***performed an independent technical review (ITR) of final roadway signing and striping plans*** prepared by others to determine ***conformance with AASHTO, IDOT, and IMUTCD design criteria and guidelines.*** 23 non-conformance Items were identified and documented in M&M's NCR Report. Also ***provided the Client with 17 additional recommendations to improve the operation and safety*** of the Cline Ave. Bridge facility. Subsequently, prepared final construction plans to address the NCR items and recommendations. Final plans included signing and striping layouts along with sign structure details. Also prepared final plans for installing Guide (Attraction) signs along Indiana SR 912 and I-90 in Indiana and Illinois. Plans were prepared in accordance with the IMUTCD, the MUTCD, and the Illinois and Indiana sign guidelines. Also served as lead engineer developing conceptual geometric layouts for two (2) proposed new partial and fully directional interchanges at Riley Road and Cline Ave. Bridge (SR-912) (CAB). Five (5) conceptual interchange layouts were developed for the proposed Riley Rd./CAB Interchange, and three (3) conceptual

	interchange layouts were developed for the proposed Riley Rd/CAB Interchange and presented in a feasibility report. Conceptual roundabout layouts were developed for ramp intersections. ***Developed design criteria*** for the proposed ramps in accordance with AASHTO and IDOT Interchange guidelines.
02/01 – 08/14	**Huey P. Long Bridge Widening, LADOTD, Jefferson Parish, LA.** *Lead Engineer* for the highway approach structures as part of the overall Huey P. Long Bridge Widening Project in Jefferson Parish, LA. M&M was called upon to design one of the largest and most ambitious corridor widening projects ever, providing design services for the innovative $1.2B widening of the main bridge, new approaches, and improved interchanges at each end of the crossing. This Project was a ***major complex highway design project in an urban setting***. The original Huey P. Long Bridge was a high-level combined railroad and highway bridge, completed in 1935, that crossed the Mississippi River. The main span unit is a 3-span, cantilever truss structure with a main span of 790'. The bridge carries two railroad tracks within a truss and two, 2-lane, 18' wide roadways. The project provided for widening the roadways from 18' to 43' by adding two new cantilever trusses, one upstream and one downstream, forming a "three barrel" structure. Mr. Ledet assisted in the ***design and detail of the main river pier widening; designed and detailed plans and generated specifications*** for various components of the superstructure and substructure of the approaches, including steel and prestressed concrete girders; provided construction engineering support services.
01/17 – Ongoing	**I-10: Texas State Line – E. of Coone Gully Lighting, LADOTD, Calcasieu Parish, LA.** *Contract Manager and Quality Assurance.* M&M ***performed a study of the existing roadway lighting system of Interstate 10 (I-10) in Calcasieu Parish*** at five locations for the LADOTD as part of S.P. H.003184, which calls for a portion of I-10 from the Texas state line through to the East of Coone Gully to be widened from four to six lanes of travel. The scope of the work and inquiry consisted of a feasibility study for illumination and roadway lighting construction at the five specified locations. The as-designed roadway lighting systems were evaluated and compared to determine if the existing systems would remain in compliance with LADOTD Illumination standards. Where needed, modifications were recommended to satisfy the required illumination and electrical criteria. Mr. Ledet ***provided contract management and provided quality assurance*** for all engineering disciplines.
09/16 – 09/19	**I-12 @ LA 447 (Walker) Interchange Lighting, LADOTD, Walker, LA.** *Contract Manager and Quality Assurance.* The project involved the design of roadway lighting at the I-12/LA 447 Interchange. The design included lighting for two roundabouts at the ramp terminals and was coordinated with local agencies and the electrical utility company to simplify future maintenance and achieve the desired aesthetics. M&M provided plans & construction estimates, and construction-related services, including shop drawing review and field inspections. Mr. Ledet ***provided contract management and quality assurance across all engineering disciplines*** for this project. Provided construction-related support by reviewing structural components of the installed light poles, including anchor bolts, base plates, and drilled shafts.
09/15 – 07/21	**I-10: E. Jct. I-49 to LA 328 Lighting, LADOTD, Lafayette, and St. Martin Parishes, LA.** *Contract Manager and Quality Assurance.* The project involved the design of roadway lighting on Interstate 10 from I-49 to LA328 in Lafayette, LA. The design included high- and low-mast poles, as well as underpass lighting, and was coordinated with local government agencies and the electrical utility company to simplify future maintenance and achieve the desired aesthetics. M&M provided plans & construction estimates, as well as construction-related engineering services, including ***shop drawing review and field inspections.*** Mr. Ledet provides contract management and ***quality assurance across all engineering disciplines*** for this project. He also provided ***construction-related support*** by reviewing the structural components of the installed light poles, including anchor bolts, base plates, and drilled shafts.

Firm employed by: MODJESKI and MASTERS			Meets MPR No. 11
Name	**Yu Ouyang, PE**	Years of relevant experience with this employer	35
Title	Senior Vice President	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 1982 / Civil Engineering MS / 1985 / Structural Engineering	
Active registration number / state / expiration date		26117 / LA / Exp. 09/30/2027	
Year registered	1994	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Bridge Design**	

Mr. Ouyang has been with Modjeski and Masters, Inc. since 1991 and has extensive bridge engineering experience, ranging from conventional designs to highly complex special projects, and from feasibility studies to construction services. He specializes in the design of fixed and movable highway and railroad bridges, as well as the rating and rehabilitation of existing bridges. His expertise also extends to analysis of complex bridge structures, vessel collision risk assessment and protection systems, seismic design, analysis and retrofit, and fatigue evaluations. He brings extensive experience in managing engineering and design efforts of varying sizes and levels of complexity, and in leading, coordinating, and managing technical teams and subconsultants. His hands-on project management has led to the successful, on-time completion of large, highly technical projects.

Experience dates	Experience and qualifications relevant to the proposed contract
03/17 – Ongoing	**Louisiana Highway (LA) 1 – Port Allen Bridge Replacement, Louisiana Department of Transportation and Development (LADOTD), Port Allen, LA.** *Project Manager* for the replacement of the existing northbound (NB) and southbound (SB) bridge structures on LA 1 over the Intracoastal Canal Waterway (ICWW). The proposed LA 1 SB Bridge consists of 3 - 12' travel lanes and 2 - 10' shoulders and is approximately 2,680' long. The proposed LA 1 NB Bridge consists of 2 - 12' travel lanes and 2 - 10' shoulders (LA 1 NB roadway), a permanent 2' wide median barrier, and 1 - 12' travel lane with 2 - 6' shoulders (I-10 eastbound [EB] Exit Ramp roadway). The Exit Ramp and LA 1 NB roadway will be separated by a permanent 2' wide median barrier until the LA 1 NB Bridge bifurcates, where the LA 1 NB roadway and I-10 EB Exit Ramp roadway are carried on separate bridge structures. The LA 1 NB Bridge and I-10 EB Exit Ramp Bridge are approximately 2,700' and 354' long, respectively. Both LA 1 NB and LA 1 SB Bridges consist of an 870' long haunch three-span continuous steel plate girder main span unit over the ICWW and prestressed concrete Long Girder approach spans. Also serves as ***Project Manager for this project and provides technical guidance and construction support services.***
09/17 – 09/21	**LA 16 over Tangipahoa River, LADOTD, Tangipahoa Parish, LA.** *Project Manager* for the LA 16 bridge replacement project between LA 51 and LA 1054, in Amite City, LA. Modjeski and Masters (M&M) developed all necessary topographic surveys, preliminary, and final plans. This project included the reconstruction of the approach slabs and roadways on the east and west sides of the bridge, and traffic was maintained during construction via an on-site diversion roadway and bridge. The plans were ***prepared in accordance with American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor Design (LRFD) Bridge Design Specifications and the Bridge Design and Evaluation Manual (BDEM), Louisiana Department of Transportation and Development (DOTD) 2017 Design Guidelines, DOTD 2016 Standard Specifications for Roads and*** **Bridges, DOTD Road Design Manual, and DOTD Hydraulics Manual. Quality Control / Quality**

	Assurance (QC/QA) was provided in accordance with Part 1, Chapter 3 of BDEM. Also served as ***Project Manager for this project, while providing technical guidance and construction support services***.
09/17 – 03/21	**United States Highway (US) 61 at Thompson Creek, LADOTD, West Feliciana Parish, LA.** *Project Manager* for the rehabilitation of the northbound bridge and replacement of the southbound bridge on US 61 over Thompson Creek, between LA 10 and LA 964, near St. Francisville, LA. M&M provided all necessary preliminary and final plans for this project. It was anticipated that traffic would be maintained during the construction of the new southbound bridge with temporary two-way traffic on the rehabilitated northbound bridge. The project also included the design and detailing of adding a helper bent to the northbound bridge. The plans were prepared in accordance with AASHTO LRFD Bridge Design Specifications and the Bridge Design and Evaluation Manual (BDEM), DOTD 2017 Design Guidelines, DOTD 2016 Standard Specifications for Roads and Bridges, DOTD Road Design Manual, and DOTD Hydraulics Manual. QC/QA was ***provided in accordance with Part 1, Chapter 3 of BDEM. Construction-related engineering support was provided and is currently ongoing.***
06/12 – 12/16	**MacArthur Drive Interchange, LADOTD, Harvey, LA.** *Principal in Charge* of the substructure design of two new ramps on the Westbank Expressway in Harvey, LA. M&M was responsible for the substructure design of Ramps 7 and 8 in a ***complex urban setting,*** including steel pile footings and reinforced concrete columns. M&M also ***provides construction-related engineering support services***. Also led all design efforts for this project, including interfacing with the project team and handling all contractual matters.
02/01 – 08/14	**Huey P. Long Bridge Widening, LADOTD, Jefferson Parish, LA.** *Principal Analyst* and *Lead Design Engineer* as well as the *Primary Reviewer* of erection methods, sequences, and procedures for the Huey P. Long Main Bridge Widening. M&M was called upon to design one of the largest and most ambitious corridor widening projects ever, providing design services for the innovative $1.2 billion widening of the main bridge, new approaches, and improved interchanges at each end of the crossing. This project was a ***major complex highway design project in an urban setting***. The original Huey P. Long Bridge was a high-level combined railroad and highway bridge, completed in 1935, that crossed the Mississippi River. The main span unit is a three-span, cantilever truss structure with a main span of 790'. The bridge carries two railroad tracks within a truss and two, 2-lane, 18' wide roadways. The project provided for widening the roadways from 18' to 43' by adding two new cantilever trusses, one upstream and one downstream, forming a "three barrels" structure. Provided analysis of the truss under numerous loading conditions and stages of construction.
08/09 – 12/11	**LA 160 Bridges – Caney Creek and Bodcau Bayou, LADOTD, Bossier Parish, LA.** *Project Manager* for a new integral abutment design for two LADOTD bridges in Bossier Parish, LA. Supervised a team of engineers that ***performed the Linear and Unified Structural Analysis System,*** bridge design and detailing, and construction services. M&M ***developed final plans, permit drawings, a construction cost estimate, and special provisions*** for a new integral bridge design and analysis developed for LADOTD. The two subject bridge sites that cross Caney Creek and Bodcau Bayou in Bossier Parish, LA, were the first two fully integral bridges in the state. Strain gauges and other tests were conducted to monitor the behavior of the bridge design over time.

Firm employed by: Stanley Consultants			
Name	**Josh Olivier, PE**	Years of relevant experience with this employer	0
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering	
Active registration number / state / expiration date		PE #46498 / LA / 09/30/2026	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Joshua serves as senior bridge engineer on transportation infrastructure projects, specializing in bridge and structural design. Licensed as a Professional Engineer in Louisiana and Mississippi, he has managed complex bridge rehabilitation and replacement initiatives while coordinating design teams and maintaining agency relationships. His professional experience spans concrete bridge design, highway geometric design, and design studies for transportation corridors. Joshua has contributed to a wide range of structural projects, ranging from slab spans to girder bridges, on spot replacements as well as new alignments. He has managed PPC girder-bridge projects under an IDIQ "Critical Projects" contract, overseeing job initiation, agency coordination, and work-effort management. His project portfolio includes managing subconsultants on multiple "MOVEBR" ADA enhancement projects as part of the Program Management Team for the City-Parish. Joshua has provided construction support for concrete girder and slab-span bridge projects, performing shop drawing reviews, change order revisions, and redesigns on critical-path items to maintain project schedules. His structural design work includes the design and analysis of PPC Girder bridges using Louisiana "LG" girders, AASHTO girders, and quad-beam girders, demonstrating proficiency in specialized bridge types and industry standards.
2016 – 2026	**H.003047 Pecue Lane/I-10 Interchange, DOTD, East Baton Rouge Parish, LA:** *Project Engineer / Project Manager* responsible for providing structural bridge design services during the design phase and transitioning to project management responsibilities upon entry into construction support. The project encompasses the ***design of multiple through and turn lanes*** along Pecue Lane; new entrance and exit ramps in both the eastbound and westbound directions of I-10; replacement of the existing Pecue Lane slab-span bridge over Wards Creek; and widening of the I-10 girder bridge over Wards Creek. Design phase responsibilities included superstructure and substructure design for the eastbound and westbound I-10 concrete girder bridge widenings, an independent check of the Pecue Lane slab-span superstructure and substructure design, and load-rating assistance for all structures. Upon transitioning to the construction phase, responsibilities expanded to include ***review of shop drawings, overall management of construction support services,*** and coordination of a significant redesign of substructure elements necessitated by complications encountered during pile-driving operations.
2014 – 2026	**H.002960 LA 3213 Gramercy Bridge Approach (Westbank), DOTD, St.John the Baptist Parish, LA:** *Project Engineer* responsible for delivering comprehensive bridge and structural design services for a new grade-separated overpass along LA 3213. The project involves constructing a new overpass along the existing horizontal alignment to achieve grade separation over the Union Pacific railroad tracks while remaining within the established right-of-way, and includes designing an on-site traffic diversion to maintain mobility throughout the construction zone. Responsibilities encompassed final structural design

	of all superstructure and substructure components in ***conformance with AASHTO LRFD guidelines and the LADOTD Bridge Design and Evaluation Manual.*** This project employed the newly developed "LG" prestressed concrete girder system.
2014 – 2026	**H.002868 Ambassador Caffery & US 90 Interchange (Future I-49), DOTD, Lafayette, LA:** *Project Engineer / Project Manager* responsible for delivering structural design services during the design phase and transitioning to project management of bridge-related construction support upon the project's entry into construction. The project involves the construction of a new, fully access-controlled, grade-separated interchange at the intersection of Ambassador Caffery Parkway (LA 3073) and US 90 (Future I-49 South) in Lafayette Parish. Design phase responsibilities included contributions to superstructure design and an independent check of column bent substructure components. This project utilized the newly developed "LG" prestressed concrete girder system. Construction phase responsibilities included ***reviewing shop drawings, managing bridge-related construction support activities***, and coordinating a significant redesign of substructure components in response to complications that arose during pile-driving operations.
01/18 – 06/20	**H.009276 I-10 Widening, LA 30 to LA 22, DOTD, Ascension Parish, LA:** *Project Engineer* responsible for providing bridge and structural design services for the widening of an approximately five-mile segment of I-10. The project scope included two girder bridge structures, one slab span structure, and the full replacement of the LA 941 bridge. Primary responsibilities included checking the slab-span bridge design and the reinforcement design for the new LA 941 structure, as well as preparing a preliminary bridge quantity estimate for the LA 941 overpass.
01/18 – 05/20	**H.004100 I-10 Corridor Improvements (LA 415 to Essen Lane), DOTD, West & East Baton Rouge Parishes, LA:** *Project Engineer* responsible for contributing to the environmental assessment and preliminary design effort for a major interstate corridor improvement program. Primary contributions included the ***development of proposed vertical profiles*** for the Perkins Drive-through-Acadian Throughway segment of the corridor, sizing of preliminary structural elements, and the identification of critical clearance control points along this section to evaluate the corresponding impacts on the design Profile Grade Line. Also responsible for ***developing construction sequencing plans for the removal of the straddle bent over the Kansas City Railroad overpass.***
2018 – 2019	**Multiple Bridge Replacements (Woodland Ridge Blvd. & Congress Blvd.) (08-BR-CI-0025 & 08-BR-PT-0002), DOTD, East Baton Rouge Parish, LA:** *Project Engineer* responsible for superstructure and substructure design revisions for the Woodland Ridge Boulevard and Congress Boulevard bridge replacement projects. All revised designs were developed in ***conformance with AASHTO LRFD guidelines and the LADOTD Bridge Design and Evaluation Manual. These projects utilized "Quad Beam" prestressed concrete girder systems.***

Firm employed by: Stanley Consultants			
Name	**Luis Santana, PE**	Years of relevant experience with this employer	20
Title	Senior Structural Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		PE #42265 / LA / 03/31/2028	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Luis's engineering experience includes designing and managing the necessary structural work for bridges, levees, and walls along the Gulf Coast. His expertise includes off-system bridge design projects for LA DOTD, structural inspections (above and underwater), bridge load ratings, shoring plans, dewatering, site demolition planning, and LEED experience. He has designed bridges, foundations, retaining walls, and many other ancillary structural elements. His structural background includes the design of bridges and hydraulic and non-hydraulic structures in concrete, steel, wood, masonry, sheet piles, and pile foundations. His software experience includes Microsoft programs, MathCad, STAAD Pro, CPGA/CPGC/CPGG from USACE, Cwalshet, MicroStation, and AutoCAD.
09/19 – 04/22	**H.013866 I-12, LA 21 to US 190 Widening Design, LADOTD, St. Tammany Parish, LA:** *Structural Engineer* responsible for the design of roadway median concrete barrier walls along the I-12 corridor. The project included the design of 36", 48", and 54" barrier walls. The design ***analyzed the stability of the barrier walls under vehicle impacts and traffic live loads***, and then developed the reinforced concrete design for each barrier type. The project also included an analysis of the Tchefuncte River Bridge piling for boat impact.
01/17 – 09/20	**Bootlegger Rd – Bridge Replacement and Road Mill and Overlay, St. Tammany Parish Government, St. Tammany Parish, LA:** *Structural Engineer* responsible for the design and plan production for the bridge replacement of the existing timber bridge. The new bridge consisted of a three-span, 70ft long, ***continuous concrete flat-slab superstructure*** founded on concrete piles and pile caps. The new bridge footprint was widened to accommodate two 12-ft lanes, 4-ft shoulders, and a 12-ft shared-use path. The new bridge was lengthened to match new H&H requirements and to allow for new piles to be driven to clear the existing piles.
11/24 – Present	**H.015545 Stoney Point Burch Bridge Over Drainage Bayou, DOTD, East Baton Rouge Parish, LA:** *Structural Engineer* responsible for the design and plan development for bridge replacement. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included ***minor improvements to the shoulders and approach roadway*** to tie the new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Stoney Point Burch, two 3ft shoulders, and two standard 32" barrier railings. The new bridge consists of a 6-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the bridge's ***load rating*** and did not involve any utility coordination.
11/24 – Present	**H.015550 Pride-Baywood Rd Over Mill Creek, DOTD, East Baton Rouge Parish, LA:** *Structural Engineer* responsible for the design and plan development for bridge replacement. The project consists of replacing the existing bridge using the LADOTD standard bridge details. The project also included minor ***improvements to the shoulders and approach roadway*** to tie the

	new bridge to the existing roadway. The new bridge carries two 11ft lanes (one lane in each direction) of Pride-Baywood Road, two 3ft shoulders, and two standard 32" barrier railings. The new bridge is skewed to accommodate the direction of Mill Creek and consists of a 5-span cast-in-place flat slab superstructure founded on concrete pile caps and 16" prestressed concrete piles. The project included the ***bridge's load rating*** and did not involve any utility coordination.
05/19 – 07/20	**H.013817 LA 117 Between LA 8 and LA 118 Bridge Study, Vernon Parish, LA:** *Structural Engineer* responsible for the structural inspection, assessment, and ***development of conceptual plans of five bridges along the LA 118 corridor.*** As part of the project, the existing bridges were evaluated for either widening or replacement to accommodate the proposed roadway improvements. The existing bridges consisted of two timber bridges and three concrete flat slab bridges. The bridges ranged in span from 2 to 10, with a typical span length of 20 ft. Each bridge has two alternatives to match the roadway improvements. The timber bridges were recommended for replacement with a concrete flat slab bridge founded on new concrete piles. ***Widening of the existing concrete bridges*** was recommended for most alternatives. One of the concrete bridges was recommended for replacement with a box culvert due to an extreme change in vertical profile.
01/23 – Present	**H.015052 I-20: Widening/Overly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA:** *Structural Engineer/Task Lead* responsible for the design and development of roadside median barriers and overhead sign structures to accommodate design widening throughout the I-20 corridor. The median barrier walls consist of both single and double-faced concrete barrier walls used for grade-separated roadways. The barrier walls will also include several sections that transition between the single- and double-face sections. The ***overhead sign structures will utilize standard truss arms with modified uprights*** for either mounting onto the median barriers/foundation or having independent foundations. The design will ***utilize requirements as indicated in the LADOTD Bridge Manual and AASHTO guidelines.***
01/20 – 09/20	**Runway 13/31 Threshold Recovery, Baton Rouge Metropolitan Airport, Baton Rouge, LA:** *Structural Engineer*. Stanley Consultants provided engineering ***design and construction administrative services*** for the Runway 13/31 Safety Area Improvements and Threshold Recovery. Stanley Consultants provided engineering design and construction administrative services for the Runway 13/31 ***Safety Area Improvements and Threshold Recovery.***
05/13 – 01/16	**US 41 Design-Build Pursuit, Florida Department of Transportation, District 1, FL:** *Structural Engineer* responsible for the design of a bridge over Henderson Creek (aquatic reserve/ outstanding Florida water), three bridge culverts, and approximately ¾ of a mile of special design sound barrier walls. The bridge was designed as a flat-slab, continuous, three-span structure. The ***culvert bridges*** were designed as cast-in-place type structures. The ***sound barrier walls*** were designed with a special bottom panel that acts as a retaining wall. Stanley Consultants engineers prepared the drainage design, ***utilities improvements***, and relocation design for this 3.5-mile-long project.

Firm employed by: ECM AN AVENTIA COMPANY

Name	**David Waller**	Years of relevant experience with this employer	13
Title	Inspector - Lead	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		N/A	
Year registered	NA	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Bridge Inspection**	

Mr. Waller has 28 years of experience in performing construction inspection of roads and bridges, drainage, and utilities construction projects, involving monitoring and documenting all construction activities for conformance with plans and specifications, and documenting daily activities in the SiteManager database.

He has the following certifications:

- Structural Concrete inspection
- Asphalt Paving Inspection (course scheduled for 3/10/26 for renewal)
- PCC Paving Inspection
- Embankment and Base Course Inspection
- LPA/CE&I
- ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor
- FWHA-NHI-130055 Safety Inspection of In-Services Bridges,
- OSHA-30, and
- Certified Drone Pilot

Experience dates	Experience and qualifications relevant to the proposed contract
06/18 – 09/20	**S.P. No. 009250, I-10: Highland to LA 73 Design-Build Project, LADOTD, East Baton Rouge/Ascension Parish, LA:** Mr. Waller served as ***Lead Inspector for this $72 million design-build project*** to widen I-10 from four to six lanes in both east and westbound directions, add deceleration and acceleration lanes at the Highland Road and LA 73 interchanges, **roadway** lighting replacement, and **bridge** modifications including replacing I-10 bridge over Highland Road, widening and rehabilitating I-10 bridge over Bayou Manchac, increasing the vertical clearance and rehabilitating LA 928 over I-10, and replacing I-10 over LA 73.
06/18 – 10/19	**S.P. H.012420.6 I-110 Interchange Modifications at Terrace, Baton Rouge, LADOTD:** Mr. Waller provided ***CE&I services for this $8.80 million I-110 Terrace Ave Interchange*** project that will provide connectivity from I-110 southbound to the existing I-10 eastbound at the Washington Street exit. The project consists of an exit ramp that was constructed on the left side of I-110 southbound, allowing traffic to exit onto Terrace Ave. Nineteen (19) drill shafts were installed, including 6 24” shafts, 2 36” shafts, 2 48” shafts, and 9 96” shafts, ranging in length from 55’ to 102’. Additionally, this project included a widening of the I-110 southbound **roadway** span, installation of new highway guide signage, and camera equipment.
05/19 – 12/22	**Pecue Lane/I-10 Interchange Phase II:** Bridges Over I-10, East Baton Rouge Parish, LA: Mr. Waller serves as the ***Lead Inspector for this $14.6 million overpass construction project***, which includes two new multi-lane bridges over I-10 in Baton

	Rouge, which will form the center of one of the state's first diverging diamond interchanges. He is monitoring inspection services that include ***daily oversight of construction activities*** for compliance with plans and specifications, preparing a daily diary, tracking daily work item quantities, attending progress meetings, maintaining all construction field records, reviewing plan change requests, and reviewing monthly pay estimates.
06/22 – 05/23	**P.C.P. Project No. 22-001, Point Coupee Parish 2022 Road Resurfacing Projects, Point Coupee Parish, LA.** Mr. Waller provided **construction inspection services** for this project, which involves ***milling and overlay of the existing asphaltic concrete roadway*****.** He serves as the inspector and is responsible for preparing Daily Work Reports (DWRs), ***tracking work quantities, monitoring work for compliance*** with contract plans and specifications, and coordinating with the Parish Engineer, consultant, and contractor.
06/18 – 07/19	**State Project No. H.010661.6-2 N. Flannery/Firewood/Cloverland Bridges, East Baton Rouge Parish, LA:** Mr. Waller is providing construction ***inspection services*** for the replacement of **three bridges** in East Baton Rouge Parish. He was responsible for monitoring, documenting, and ***reporting construction activities for conformance*** with plans and specifications; tracking materials used; recording personnel and equipment on site; and completing a daily report.
02/14 – 09/16	**S.P. No. H. 0106059: Rafe Meyer Bridges in Baker, LA for LADOTD:** Mr. Waller provided **construction inspection** for this project involving demolition and construction of two off-system **bridges** for LADOTD in East Baton Rouge Parish. This project includes precast concrete pile driving, cast-in-place concrete bents, decks, approach slabs, and ***asphaltic concrete roadway transition.*** He provided ***asphalt paving inspections as an LADOTD-certified inspector,*** in addition to **other inspection services.**
02/08 – 08/10	**S.P. No. 817-08-0023: Joor Road; Baton Rouge, LA:** Mr. Waller provided **construction inspection services** for this project that involved the widening of Joor Road from two lanes to five lanes. The project included asphalt concrete paving, Portland concrete cement paving, drainage, sewer, and utility relocations. He served as the primary construction ***inspector and safety person on site***, prepared work reports and quantity estimates, and ensured the smooth and efficient operations of technician and/or consultant personnel.
03/09 – 08/11	**S.P. No. 817-41-0008: O'Neal Lane, LADOTD; Baton Rouge, LA:** Mr. Waller provided **construction inspection services** for this project that involved the construction of three miles of new concrete **roadway**. The project included the relocation of the sewer and new tie-ins, drainage, and utilities. He served as the primary ***construction inspector and safety person on site***, ***prepared work reports, estimated quantities, ensured smooth and efficient operations*** of technician and/or consultant personnel, etc.

Firm employed by:	ECM AN AVENTIA COMPANY		
Name	**Emilio Rodriguez**	Years of relevant experience with this employer	12
Title	Senior Technician	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		Technical Architecture (Construction) / 1989; Certified NACE Coating Inspector Level 2	
Active registration number / state / expiration date		N/A	
Year registered	NA	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Bridge Inspection**	

Mr. Rodriguez has over 32 years of experience as an inspector. He has provided inspections for road and bridge construction and rehabilitation, coatings and painting, in-service bridge inspections, rock dike construction, erosion protection, and coastal restoration projects. He has the following certifications:

- **NACE certified Coating Inspector Level 2 #40575**
- ATSSA Work Zone Traffic Control Flagger, Supervisor.
- **NHI Bridge Inspection.**
- Movable Bridge Inspection.
- DOT/FAA Drone Remote Pilot
- OSHA-10

Experience dates	Experience and qualifications relevant to the proposed contract
05/21 – 10/24	**Belle Chasse Bridge and Tunnel Replacement, A P3 Design-Build Project, LADOTD, (Developer: Plenary Infrastructure Belle Chasse LLC).** Provided construction inspection services as one of the inspectors for this ***$183 million new Mid-Level fixed span bridge*** that will span the Intracoastal Waterway on Louisiana Highway 23. This project will include the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. This work includes pile driving, installing steel girders, installing prestressed concrete girders, on-grade roadway including earthwork, subbase and base, drainage, utilities relocation, PCC pavement, Asphaltic Concrete pavement, concrete barrier railing, etc
05/18 – 07/19	**I-10: Highland to LA 73 Design-Build Project | LADOTD | East Baton Rouge/Ascension Parish, LA.** *Construction Inspector* for ***this $77 million design-build project to widen I-10 from*** four to six lanes in both east and westbound directions, **bridge** modifications including replacing the I-10 bridge over Highland Road, widening and rehabilitating the I-10 bridge over Bayou Manchac, and rehabilitating LA 928 over I-10, and replacing the I-10 over LA 73. Project includes two bridge construction projects, including pile driving, installation of prestressed concrete girders, bridge deck, and rehabilitation of two bridges over I-10, elevated roadway, and on-grade roadway, including earthwork, subbase and base, drainage, utility relocation, PCC pavement, concrete barrier railing, roadway lighting, and striping.
06/09 –10/16	**S.P. No. 064-05-0085, Bayou Lafourche Bridge at Larose, (CE&I), LADOTD, Lafourche Parish, LA.** Responsible for construction engineering and inspection ***(CE&I) services for this $32 million vertical lift bridge.*** This 122' x 84' movable section is the largest-span lift bridge in the state. Work involved **marine pile driving, concrete piers,** steel bridge, anchor bolts, bolted connections, approach **roadways**, etc. ***Inspected surface preparation and field painting/protective coating*** of main deck span, lift heads, and installation of various mechanical components.
02/11 – 08/13	**S.P. No. H.003203.6, (CE&I), I-10 Calcasieu River Bridge Repairs, LADOTD, Calcasieu Parish, LA.** Provided **construction inspection** services for this **$8.7 million** structural steel repairs to the approach trestle bents and stringers, repairs to the connections of the main deck truss & steel cantilever truss members, painting of truss connections, anchor bolt repairs, &

	associated repairs to the **approach roadway** pavement expansion joints. Conducted an initial inspection/assessment of the unforeseen conditions during construction and collected information (including field dimensions and photos of what has been encountered) for their review by the project engineer. Also provided inspection of ***surface preparation and application of protective coating for all structural steel components***. This also involved monitoring ambient conditions, coating mixing, wet and dry film thickness, and final coating cure, cleaning, and removal of lead-based paint
05/21 – 06/22	**Lapalco Bridge Over Bayou Segnette. JPPW-2017-045-RBP, Jefferson Parish, LA**. Performed bridge inspection and resident inspection services for this ***$3 million rehabilitation*** of a 3,000 LF long, high-rise steel girder spans and prestressed concrete girder span bridge that is supported by reinforced concrete pier/column systems resting on pile-supported reinforced concrete footings. Work included structural inspections of girders, bents, risers, anchor bolts, bearing pads, deck, expansion joints, railings, curtain walls, and approaches, etc. He assisted ECM engineers in preparation of the report ***detailing all the deficiencies and damages***, including the existing Lead-Based Paint (LBP) system on steel girders. Provided resident inspection for repairs and/or replacement of all damaged bridge elements, including bent anchor bolts, angle cleats, all deck expansion joint systems, replacing all bearing pads for the girders by lifting each span individually by jacking, and abatement of LBP and repaint all steel girder spans, and remove and replace the bridge's concrete curtain wall.
03/11 – 05/16	**S.P. No. H.006318.6, (CE&I): St. Ann Bridge over Bayou Terrebonne, LADOTD, Terrebonne Parish, LA.** Provided **construction inspection services** as one of the inspectors for this ***$4.2 million movable bridge*** construction project, including approach roadways under the Off-System Bridge Replacement Program. The project involved the construction of a new 90-foot single-swing movable steel girder bridge with concrete bridge piers and concrete slab-span approaches over Bayou St. John to replace an existing single-lane steel truss swing bridge. The scope included driving **prestressed concrete piles,** concrete pier construction, and steel movable bridge installation with structural components such as main girders, floor beams, cross bracings, end dams, stiffeners, angles, bolts etc., including all electrical and mechanical items; ***surface preparation and field painting/coating of girders*** and all steel structural components, timber fender system, navigational lights and asphalting **concrete roadway** construction.
06/10 – 08/13	**S.P. No. 713-38-0001 (CE&I) Doullut Canal Bridge, LADOTD, Plaquemines Parish, LA.** *Inspector* for CE&I services for this $**11.8 million** project for the construction of **a bobtail swing span, movable steel girder bridge** with concrete bridge piers and concrete slab span approaches over Doullut Canal to replace an existing bridge. This 150-foot unequal arm steel swing span bridge is operated by dual hydraulic motors and provides access to Highway 11. Work included ***driving concrete piles, constructing cofferdams, installing all structural steel components of the movable bridge (including the main girder, floor beams, cross bearings, and end dams), and performing*** structural steel fabrication. The scope of work also included paint inspection of all girders for the swing bridge and steel grid flooring.
2009	**Crescent City Connection Division Annual Bridge Inspection, LA DOTD, New Orleans, LA.** Performed physical inspection of structural elements of the Main Bridge couplet (east and west-bound structures) over the Mississippi River. Involved in inspection of structural steel paint conditions, approaches, and facility ***inspection services*** such as ferry facilities, pontoons, mooring, toll facilities, pedestrian bridges, pump station, and buildings at CCD-owned facilities in Orleans, Jefferson, and St. Bernard Parishes. Also participated in preparing the report detailing specific findings from the inspection.

Firm employed by: ECM AN AVENTIA COMPANY

Name	**Benjamin Dow**	Years of relevant experience with this employer	17
Title	Senior Technician/Inspector	Years of relevant experience with other employer(s)	7

Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Bridge Inspection**	

Mr. Dow has more than 24 years of experience in performing inspections for projects such as roads & bridges, dams, levees, and coastal restoration projects.

- LADOTD certified Embankment and Base Course Inspector;
- ATSSA Certified Flagger, Technician, Supervisor.
- NHI Certified-Safety Inspection of In-Service Bridges;
- LADOTD Movable Bridge Inspection Workshop;
- Training Aids for Dam Safety (TADS);
- USACE Levee Inspection Workshop.

Experience dates	Experience and qualifications relevant to the proposed contract
04/22 – 01/26	**S.P. No. 713-38-0001, Belle Chasse Bridge, A P3 Design-Build Project, LADOTD, (Developer: Plenary Infrastructure Belle Chasse LLC).** Provided construction inspection services as one of the inspectors for this ***$182 million new Mid-Level fixed span bridge*** that will span the Intracoastal Waterway on **Louisiana Highway 23.** This project will include the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. This work included pile driving; installing steel and prestressed concrete girders; on-grade roadway, including earthwork, subbase and base, drainage, and utilities relocation; PCC pavement; Asphaltic Concrete pavement; concrete barrier railing; etc.
01/09 – 12/13	**S.P. No. 064-05-0085, Bayou Lafourche Bridge at Larose, LADOTD, Lafourche Parish, LA:** *Construction inspector* for *this **$32 million*** vertical lift bridge. This 122' x 84' movable section is the largest-span lift bridge in the state. The work included driving concrete piles, steel sheet pile TRS, concrete piers, 96' high concrete towers, installation of structural steel members of the bridge, sheaves, cables, welding, bolted connections, anchor bolts, and concrete approaches.
09/21 – 03/22	**S.P. No. H.011752, Severn Avenue Corridor Improvement, LADOTD/Jefferson Parish-DPW, Jefferson, LA; Mr. Dow served as** one of the ***Construction Inspectors*** on the project. Scope of project include removal and replacement of existing PCC pavement with new ***PCC pavement,*** sidewalks with 8' wide brick paver sidewalks, ADA compliant ramps, striping, crosswalks at intersections, driveway aprons, corridor improvements to facilitate new bike lane, addition of Turn Lane at 17th street and West Esplanade, replacement and upgrade of subsurface drainage system, streetscaping, new bike path., new decorative street lighting, pedestrian lighting and pedestrian signals.
11/16 – 03/19	**S.P. No. H.007259 (CE&I): Fleur De Lis Drive Reconstruction (30th Street-Old Hammond Hwy), LADOTD; Orleans Parish, LA.** Mr. Dow served as an inspector for this project. Work included reconstruction of Fleur de Lis Drive roadway, a main artery in a residential corridor, involving grading, drainage, drainage structures and utilities, class II base course, **Portland cement**

	concrete pavement, Superpave asphaltic concrete pavement at transitions, ADA accessible sidewalks, driveways, and removal/replacement of sewer and water mains
05/11 – 08/13	**S.P. No. H.003203.6: I-10 Calcasieu River Bridge Repairs, LA DOTD; Calcasieu Parish, LA**: Mr. Dow provided ***construction inspection*** services for structural steel repairs to the approach trestle bents and stringers, repairs to the connections of the main deck truss & steel cantilever truss members, painting of truss connections, anchor bolt repairs, and associated repairs to the approach roadway pavement expansion joints. He conducted an initial inspection/assessment of the unforeseen conditions during construction and collected information (including field dimensions and photos of what was encountered) for the project engineer's review.
06/21 – 04/22	**JPPW No. 2013-010-RB, Lapalco Blvd. Bridge over Bayou Segnette, Jefferson Parish DPW, Jefferson Parish, LA:** Mr. Dow provided ***construction inspection for rehabilitation of this 3,000' long bridge*** in Jefferson Parish. He performed inspections for the replacement of all bearing pads for the girders that required lifting of each span individually, replace all damaged and bent anchor bolts and angle clits, replace all deck expansion joint systems, remove and replace the bridge's concrete curtain walls, installing new expansion joint materials on the deck and installation of a heavy streel structure to support the concrete girders in the event the movement of the span continues beyond the bent cap.
05/14 – 12/16	**S.P. No. 4400003534 Retainer Contract for Underwater Bridge Inspection Services, LADOTD; Statewide, LA:** Mr. Dow provided ***inspection services for approximately 100 bridges*** under this five-year retainer contract. Scope of work included detailed reports involving elements and conditions rating and documentation of any significant deviations from as-built conditions for each inspection, recommendations for rehabilitation/repair, as well as other pertinent data. Some notable bridge inspections included: • LA 16 Over Amite River Moveable Bridge, Livingston Parish, LA • US 90 Over West Pearl River Truss Steel Vertical Lift Bridge, St. Tammany Parish, LA • US 90 Over West Middle River Cantilever Trusses Bridge, St. Tammany Parish, LA • Lapalco Blvd Over Harvey Canal Bascule Bridge, Jefferson Parish, LA • LA 56 Smith Ridge Cable-Stayed Moveable Truss Bridge Terrebonne Parish, LA

Firm employed by: ECM AN AVENTIA COMPANY

Name	**Chris Capretto, PE, PMP**	Years of relevant experience with this employer	11
Title	Civil Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		38641 / LA / Exp. 09/2026; PMP 3840827 05-2027	
Year registered	2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Inspection**	

Mr. Capretto has 17 years of civil engineering design experience, including pedestrian facilities for urban and rural highways and streets, pedestrian & driver safety improvements, signage and pavement markers, roads, bridges, utilities projects, horizontal and vertical alignments, stormwater design, sub-surface drainage, water and sewer force mains, sewer lift stations, and gravity lines. His participation in representative projects includes feasibility studies, design, preparation of Plans, Specifications, and Estimates, project management, and construction engineering and inspection. Mr. Capretto's construction administration experience includes managing Request for Informations (RFIs) and an RFI log, change order management, reviewing and managing submittals, verifying contractor invoices, and preparing change orders. He is American Traffic Safety Services Association certified Work Zone Traffic Control Flagger, Supervisor, and Local Public Agency/ Construction Engineering and Inspection.

Experience dates	Experience and qualifications relevant to the proposed contract
05/17–Ongoing	**Program and Construction Management for the 2017 Jefferson Parish Road Bond Project, Jefferson Parish, LA.** *Engineer* responsible for ***managing construction phase services*** for the JP Road Bond Program on the East Bank, overseeing multiple ongoing construction projects involving roads, bridges, drainage, and utilities construction projects. These projects are part of the current Road Bond Program, which funds major transportation projects throughout the parish. Coordinating between JP engineers and the various contractors and subcontractors; attending all kick-off and progress meetings; regular visits to each of the project sites; reviewing inspection reports and testing lab reports; reviewing and approving RFIs, change orders, and invoices; and maintaining general progress status from kick-off of the work on through to completion of the projects.
08/16 – 05/18	**SP No. H. 0106059: Rafe Meyer Bridges in Baker, LA for the Louisiana Department of Transportation and Development (LADOTD).** Provided ***construction engineering support and contract administration*** for this project involving demolition and construction of two off-system bridges for LADOTD in East Baton Rouge Parish. This project includes precast concrete pile driving, cast-in-place concrete bents, decks, approach slabs, and asphaltic concrete roadway transition. Assisted the project manager in submittal management, coordination, and communication with inspectors, resolution of field issues, and site visits as directed by the project manager.
08/14 – 12/16	**SP No. 4400003534 Retainer Contract for Underwater Bridge Inspection Services, LADOTD; Statewide, LA.** Performed ***inspection of bridges' substructure from the water level*** to the superstructures. Inspection of the substructure above water. Below the water was performed by divers. Inspection included documentation of damaged and deteriorated structural elements of the bridges. Involved in the inspection of more than 200 of the total of 400 bridges under this contract. He was responsible for field inspections and the preparation of final reports for the national bridge inventory

	component rating. Scope included: Level 1 inspection, which was a visual and tactile inspection of all bridges requiring underwater inspection in water above four feet; ***Level 2 inspection***, which was a detailed inspection that included partial cleaning of all steel elements; and ***Level 3 inspection,*** which was a highly detailed inspection with non-destructive testing or partially destructive testing. Bridges included concrete and steel bridges on timber and concrete pile foundations, and inspections covered piles, girders, abutments, decks, and checks for cracking, spalling, exposed rebar, rusting of steel girders, missing hardware, and all other related features.
10/23 – 04/26	**California Canal Drainage Improvement, Jefferson Parish, LA.** *Construction Administrator*. The California Canal conveys rainwater from part of Marrero. The canal is bounded on the west side by commercial and industrial establishments and on the east side by a large subdivision with approximately 35 ft. of berm from the top of the banks to the property lines. The purpose of the improvements is to stabilize the banks, stop the erosion of the side slopes, and improve the channel's hydraulic conveyance and efficiency. Provided ***engineering services during construction***, involving managing RFI, reviewing submittals, plan changes, reviewing pay estimates, attending site meetings, preparing change orders, performing regular site visits, and overseeing inspectors' performance.
06/08 – 06/09	**Purchase Order #5052600 Inspection and Structural Evaluations, Tammany Trace Bridges; St. Tammany Parish, LA (2008-2009).** Performed ***inspection of 28 timber, steel, and concrete bridges*** on a railroad system converted to a pedestrian and bicycle trail. He inspected damage and documented structural condition and necessary repairs. He prepared reports for each bridge, including descriptions and photos of existing conditions, a list of suggested improvements and repairs, and detailed computer-aided design drawings.
0914 – 11/17	**Jefferson Parish Department of Public Works (DPW) Project No. 2012-034-DR, Veterans Boulevard. Drainage Pump Stations, Jefferson Parish-DPW, Jefferson Parish, LA.** Provided project ***coordination and civil engineering design services*** for this ***$18 million project*** for the design of two new drainage pump stations that discharge into the 17th Street Canal. Projects include one 60 cubic per second pump station and one 80 cubic per second drainage pumping station with axial flow pumps, a concrete wet well, and 32' and 38' discharge piping systems. The project also included the installation of ***a single-barrel precast box culvert*** and large-diameter RCP gravity drainage systems for the diversion of flow from surrounding areas to the pump stations.

16 STAFF EXPERIENCE:

Firm employed by: ECM — AN AVENTIA COMPANY

Name	**Jules Saunee**	Years of relevant experience with this employer	4
Title	Lead Inspector	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Lead Bridge Inspector**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Saunee has over 18 years of experience in construction inspection of Highways, major bridges, surface roadways, utilities relocations and new drainage, water and sewer systems installations. He has the following certification: LADOTD Asphalt Paving Inspector; LADOTD Embankment and Base Course Inspector; LADOTD Structural Concrete Inspector; LADOTD PCC Paving Inspector; LPA/CE&I; and ATSSA Certified Flagger & Supervisor.
10/21 – Ongoing	**Belle Chasse Bridge and Tunnel Replacement, P3, Design – Build Project, Plaquemines Parish, LA:** Mr. Saunee serving as one of the **certified inspectors** for ***the $182 Million*** construction of a new 4 lane bridge over the Intracoastal Waterways. ECM served as the Construction Quality Control Firm (CQCF) for this P3 design – build project to construct a new Mid – Level fixed span bridge that will span the Intracoastal Waterway on Louisiana Highway 23. The project included the demolition of the existing Perez Movable Bridge and the Belle Chasse Tunnel. The new bridge was constructed to current clearance standards for marine vessels as required by the US Coast Guard. This work included pile load testing, pile driving, installing prestressed concrete girders, steel girders, concrete deck, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, ***PCC pavement, Asphaltic Concrete pavement***, concrete barrier railing, roadway lighting, MSE Wall construction and striping. ECM's Quality Control team of engineers and LADOTD certified inspectors are responsible for sampling and testing to ensure compliance with the project's plans and specifications. Mr. Saunee was involved in inspection of all aspects of the project including but not limited to pile driving inspection, rebar inspection of structures, inspection of structural concrete pours, and monitoring contractor's quality control.
07/20 – 02/21	**Severn Ave: Veterans to W. Esplanade, Jefferson Parish, LA**: Mr. Saunee served as an interim DOTD-certified **Inspector** for this **$14.2 million** complete street construction project. This project includes ***PCC paving, major drainage improvements, ADA facilities, brick sidewalks***, dedicated bike lanes, turn lanes, traffic and pedestrian signals, street lighting, and landscaping. He was responsible for monitoring construction work to ascertain that all work was in conformance with contract plans and specifications, kept a record of quantities of work performed on a daily basis, and performed all work assigned by the Lead inspector.
12/10 – 05/12	**Huey P Long Bridge Widening:** Mr. Saunee served as one of the inspectors **for the $1.2 Billion Widening of the Huey P Long Bridge** in Metairie, LA. The project included erecting new railroad support structures and constructing a 3 – lane bridge on

	both sides by widening the existing bridge. Work also included the construction of major elevated bridge approaches and PCC roadway on both east and west banks. The asphaltic concrete Jefferson Highway on the East Bank was repaved, and a new PCC U S 90 Highway was constructed on the West Bank. Mr. Saunee served as the **lead Inspector** for concrete, PCC roadway, asphaltic concrete repaving, and infrastructure installation.
04/17 – 04/20	**I – 10 Widening Breaux Bridge to Lafayette:** Mr. Saunee served as one of the inspectors for this ***$100 Million Widening*** **of I – 10 for seven (7) miles** between Breaux Bridge and Lafayette. The project included the construction of a 2 – lane asphaltic concrete interstate, widening 5 existing bridges, replacing 1 bridge, and the removal/replacement of the existing 2 – lane asphaltic concrete interstate in each direction. Mr. Saunee served as the ***lead Inspector for Asphalt work on the job, involving approximately 300,000*** tons of asphalt and all Electrical items. He also assisted Office and Project Engineers with monthly estimates and coordinated all ***SiteManager*** reports and final submittal packages
04/20 – 09/21	**I – 10 Loyola Interchange.** Mr. Saunee served as one of the inspectors for ***the $125 million Interstate Overpass*** Exit/Entrance to the Louis Armstrong International Airport. The Project entails the construction of 2 new overpasses for exiting and entering I–10 at Loyola Avenue in Kenner, LA. and the reconstruction of Loyola Avenue under I–10. Mr. Saunee performed inspections of Prestressed Precast Concrete piles and driving operations, as well as frequently conducted nighttime traffic safety inspections.
04/16 – 04/17	**Ormond Blvd Repair/Mill/Overlay:** Mr. Saunee served as the ***Inspector – Lead*** *for the* ***asphalt mill/overlay*** of Ormond Blvd in St. Charles Parish at a cost **of $1 Million**. He also assisted in the PCCP inspection of Ormond Blvd. Compiled monthly estimates for the Project Engineer's review.
02/16 – 08/16	**Our Lady of the Lake Medical Complex:** Mr. Saunee served as the **lead inspector** for the street/pedestrian ramp repair around the Our Lady of the Lake Medical Complex at a cost of $800,000. Mr. Saunee inspected the removal and replacement of cracked panels, the removal of existing pedestrian ramps, and the replacement of said ramps with ADA-compliant ramps, and the sealing of the minor cracks in concrete panels. Compiled monthly estimates for the Project Engineer's review.
05/14 – 02/16	**Ole Miss Kenner Sanitary Sewer Lift Station:** Mr. Saunee served as an inspector on the **$1.2 Million** replacement of the existing Sewer Lift Station at the corner of West Esplanade and Ole Miss Rd. Inspection of installation of Gravity Sewer lines, Installed Master Control Panel, Installation of above-ground automatic valve shut-off system, and demolition of old lift station
05/12 – 05/14	**Sanitary Sewer Repair St. Bernard Parish:** Mr. Saunee served as an inspector for the parish-wide repair of sanitary sewer lines damaged by Hurricane Katrina at a cost of ***$6 Million***. Mr. Saunee inspected the excavation and **point repairs** of sanitary sewer lines. Mr. Saunee oversaw the restoration of the roads, sidewalks, and other features, **both PCCP and Asphalt.** He also inspected Pipe-bursting operations when the entire length of any sanitary sewer line between the manholes was required to be replaced.
06/11 – 08/11	**Jefferson Parish Submerged Roads Program:** Mr. Saunee served as the **lead inspector** for the Jefferson Parish submerged roads program in Old Metairie, which provided ***PCCP panel replacements*** for roads damaged by Hurricane Katrina. Mr. Saunee oversaw the removal and replacement of all damaged panels in the contracts. This portion of the program cost ***$1.5 Million*****.** Compiled monthly estimates for the Project Engineer's review.

HYDRAULICS AND DRAINAGE STAFF

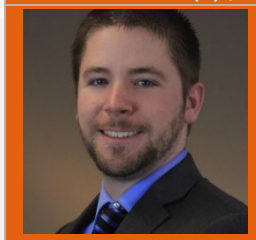
Firm employed by: ARCADIS			
Name	**Lina Khoury, PE, CPESC, CFM**	Years of relevant experience with this employer	3
Title	Senior Hydraulics Engineer	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		MS / 2013 / Environmental Engineering, Tennessee State University BS / 2008 / Civil Engineering, Jordan University of Science and Technology	
Active registration number / state / expiration date		Professional Engineer 117663 / TN / Exp. 06/30/2027; Certified Professional in Erosion and Sediment Control No. 9267; Certified Floodplain Manager/ US-19-11213 / Exp. 1/31/2028	
Year registered	2015	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Hydraulic Engineering**	

Ms. Khoury brings 19 years of experience in hydrology and hydraulics, roadway drainage design, erosion prevention and sediment control design, and state and federal water quality permitting. Lina has a diverse and well-rounded project background having worked in multiple disciplines related to roadway projects. She is licensed in multiple states and is familiar with different state and DOT manuals and guidelines. She has been a trusted client resource as an owner representative and training provided for TN DOT drainage staff. Lina is experienced reviewing plans per LADOTD manuals and drainage tools. She is experienced with multiple design software including, HEC-RAS, HEC-HMS, HY-8, SMS-SRH-2D, FHWA Hydraulic Toolbox, MicroStation, Geopak Drainage, OpenRoads, StormCAD and ArcGIS.

Experience dates	Experience and qualifications relevant to the proposed contract
02/22 – 04/25	**I-10 Calcasieu River Bridge P3, LADOTD Calcasieu Parish, LA.** *Drainage Engineer* Segment 1 of 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. Project involves the design of both open and closed conveyance systems for Segment 1 between Prater Rd and PPG drive, ***culvert and cross-drain analysis and design, and outfall analysis utilizing LADOTD HYDR design software.***
08/25—Ongoing	**LADOTD IDIQ Contract for Hydraulics Section Support, Statewide, Louisiana.** *Project Manager.* Arcadis' task under this IDIQ contract includes Hydraulics Section manuals updating, HEC-RAS 1D and 2D watershed modeling, performance and technical review of NFIP no-rise applications, CLOMR and LOMR applications for highway and bridge projects, ***2D bridge hydraulic modeling and scour analysis*** utilizing Aquaveo's SMS software, and general hydrologic and hydraulic analysis.
06/24 – Ongoing	**SR107/SR81 Progressive Design Build Bridge Replacement, TDOT, Greene and Washington Counties, TN.** *Hydraulics, Drainage and Permits Engineer Lead* on the emergency progressive design build as an owner representative to review ***H&H modeling, scour analysis, deck drain design***, TVA requirements, roadway stormwater design, water quality permits, environmental compliance plan, and EPSC plans. These projects are considered emergency projects since hurricane Helene washed both bridges and their approaches out. The review included continuous collaboration with the TDOT team and Design-Build contractor.

03/21 – Ongoing	**Bridge Bundle Design Build, GDOT, Multiple Counties, GA.** *Lead Hydraulics Engineer* on the bridge bundle design build to provide owner representation for reviewing and commenting on bridge hydraulics submitted by the design build team. The bundle included ***six bridge hydraulics studies***. One of the bundles is the replacement of the existing bridge (Structure ID 037-5013-0) on County Road (CR) 134/Rice Road over Falling Creek 6.5 miles north of Morgan in Calhoun County, Georgia. Existing right-of-way (ROW) varies between approximately 100-200 feet. No ROW would be required as part of the proposed project. The length of the proposed project would be approximately 1,000 feet.
06/24 – Ongoing	**I-55 From South of Mississippi River to North of Mississippi River -CMCG, TDOT, Shelby County, TN.** *Hydrology and Hydraulics Lead Engineer*- Owner Representative for the replacement of the I-55 bridge over the Mississippi River in Shelby County. The scope of work includes preparing ***2D H&H analysis*** in SMS-SRH2D and HEC-RAS2D and provide ***preliminary scour analysis*** to FHWA to assist in developing scour analysis through new and updated methodologies. This bridge is in FEMA AE zone, US Coast Guard (USCG) jurisdiction, and US Army Corps of Engineers jurisdiction. Arcadis is also in charge of obtaining a no-rise solution and assist TDOT with a ***USCG bridge permit application***. The project is a reconstruction and widening of I-55 for 1.65. The bridge length is 1.01 miles
02/24 – Ongoing	**SR-30 (Old Washington HWY) from Near SR-29 (US-27) to West of New Union Rd./ White Oak Rd., TDOT, Rhea County, TN.** *Project Manager and Lead H&H QC* responsible for reviewing and providing ***design guidance for the hydraulic modeling*** of the bridge over Richland Creek. The project is in FEMA zone AE and TVA reservoir. H&H study was completed for the no-structure, existing and proposed bridges. The bridge span arrangement was set to provide vertical and horizontal clearances for TVA in addition to an arrangement to obtain a no-rise solution.
06/24 – Ongoing	**SR67 Bridge over the Doe River Emergency Repair, TDOT, Carter County,TN.** *Hydraulics and Scour Engineering Lead* responsible for owner representation for ***reviewing H&H study and scour analysis*** for the bridge. Flooding from Hurricane Helene severely damaged the SR-67 concrete arch bridge (Bridge Number 10SR0670029) over the Doe River. The flood caused undermining of the footings, settlement, cracking of the structure along with widespread channel bank erosion and flood debris. This project includes the repair of the existing bridge by stabilization of the substructure, strengthening of the undermined foundations, restoration of the bridge to its original elevation, and bridge repairs.
05/22 – Ongoing	**Blue Oval G2 Segments, SR-194, New Route from Northern Interchange to SR-1 & New Route connecting I-40 to SR-59, TDOT, Fayette, Haywood & Tipton Counties, TN.** *Lead Stormwater Engineer* responsible for ***culvert design, ditch design, erosion prevention and sediment control design, permit sketches, coordination between drainage, roadway and structures,*** and assisting with water quality permit requirements on plans for the Blue Oval G2 Roadway Improvements. G2 South is approximately 3.3 miles and consists of extending SR-194 from the existing termini at SR-59 to the proposed SR-194/I-40 interchange in Fayette County. G2 South includes three bridges and the design of multiple box culverts. G2 North is approximately 2.1 miles and consists of extending SR-194 from the proposed SR-194/Blue Oval Connector (Proposed SR-468) Interchange in Haywood County to existing SR-1(US-70) in Tipton County. G2 North contains three bridges, including a ***new structure over an active rail line***. All designs and plan development are being done with Bentley OpenRoads Designer (ORD) design software. Arcadis is providing roadway design services and assisting with public involvement, while working in conjunction with other team members providing survey, geotech, material testing, hydraulic design, bridge design, and traffic engineering services.

Firm employed by: ARCADIS			
Name	**Colin C. Sarratt, PE**	Years of relevant experience with this employer	10
Title	Senior Hydraulics Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		PE.0046542 / LA / Exp. 09/30/2026	
Year registered	2022	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Hydraulic Engineering**	



Mr. Sarratt has 10 years of experience on transportation projects with a focus on stormwater hydrology and hydraulics and roadway engineering. His expertise includes hydraulic analysis and hydrologic feasibility studies, open and closed conveyance system design, culvert and cross-drain design, post-construction stormwater and water quality best management practices (BMP) design, and 2D bridge hydraulic bridge analysis. He has been responsible for leading hydrology and hydraulics design for schematics, design build, and complete plans, specifications, and estimate (PS&E) plan sets. He is proficient in Microstation, GEOPAK Subsurface utilities, Inroads ,OpenRoads, StormCAD, SMS, and SRH2D.

Experience dates	Experience and qualifications relevant to the proposed contract
08/25—Ongoing	**LADOTD IDIQ Contract for Hydraulics Section Support, Statewide, Louisiana.** *Project Manager* for this IDIQ contract to provide ***Hydraulics Section manuals updating***, HEC-RAS 1D and 2D watershed modeling, performance and technical review of NFIP no-rise applications, CLOMR and LOMR applications for highway and bridge projects, ***2D bridge hydraulic modeling and scour analysis*** utilizing Aquaveo's SMS software, and general hydrologic and hydraulic analysis.
09/21 – 04/25	**Calton Road Overpass, TXDOT, City of Laredo, Webb County, TX.** *Project Manager* and *Drainage Lead* for the Calton Road railroad overpass spanning Santa Maria Avenue, the Union Pacific Railroad mainline, and turnaround tracks. The project also includes widening of Calton Rd to maintain access to Santa Maria Avenu due to the proposed overpass. As project manager, Colin kept close ***coordination between multiple design disciplines and stakeholders*** including the City of Laredo, TxDOT, and UPRR. The project also included the design of a closed drainage system with additional storage capacity in order to mitigate impacts to the existing drainage system downstream of the project site and still meet hydraulic grade line requirements.
10/22 – Ongoing	**Infrastructure Investement and Jobs Act (IIJA) Off-System Bridge Replacement (OSBR) Program, District 01, LADOTD.** *Senior Drainage Engineer.* Arcadis prepared preliminary and final plans of six proposed bridges, 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. As senior drainage lead for this program, oversaw and prepared all ***Hydraulic analysis and design.***
06/17 – 03/22	**Ogeechee River Bridge Replacement, GDOT, Effingham County, GA.** *Drainage Lead* for the roadway realignment and bridge replacement for two (2) bridges at the SR 119 and Ogeechee River bridge crossing (1 main channel and 1 of 2 overflow bridges). The project involved the creation of a ***2D hydraulic model utilizing SMS and SRH-2D*** to design the proposed multiple bridge configuration along SR 119, determine proposed bridge lengths and elevations, and meet both GDOT bridge design standards and GDOT hydraulic design studies requirements for the proposed configuration.
02/22 – 04/25	**I-10 Calcasieu River Bridge P3, LADOTD, Calcasieu Parish, LA.** Drainage Lead Segment 1 of 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. Project involves the design of both open and closed conveyance systems for Segment 1 between Prater Rd and PPG drive, ***culvert and cross-drain analysis and design, and outfall analysis utilizing LADOTD HYDR design software.***
12/15 – 04/25	**GDOT MS4 Permit Compliance (State-wide, GA).** *Drainage Lead* for an ongoing contract to provide program assistance including ***public education and outreach on stormwater impacts, public involvement/participation***, illicit discharge detection and elimination, construction site stormwater runoff control, post-construction stormwater management, pollution prevention/good housekeeping for municipal-type operations, and water quality monitoring and total maximum daily load. Responsibilities include the research and development of GDOTs post-construction stormwater BMP details and example plan sheets for state-wide, creation and development of MS4 related standards and specifications, assisting with the development of GDOT MS4 policy, and MS4 related GDOT Drainage Report revisions.
11/16 – 04/18	**FY-17 Bridge Bundles, GDOT, Polk County, GA.** *Drainage Lead* for replacement at Mountain Loop Road over Little Cedar Creek in Polk County, GA as part of the GDOT FY-17 Bridge bundles project. The project involved the creation of a 2D hydraulic model utilizing SM and SRH-2D in order to design the proposed bridge crossing due to the sever skew of the creek under the existing bridge. Responsibilities included the design of the proposed bridge lendths and elevations in order to to meet GDOT Bridge design standards and GDOT ***hydraulic design study*** requirements for the proposed configuration, ***H&H report*** creation, and a bridge deck drainage analysis.
02/23 – 05/23	**Shelby Avenue Off-System Bridge Replacement, TxDOT, Hunt County, TX.** *Drainage Lead* for the Shelby Avenue Bridge Replacement Project to replace the existing bridge over Faber Creek as part of the Paris District Off-System bridge PS&E replacement project. Responsibilities included ***leading the H&H analysis*** for the bridge crossing for both the existing and proposed conditions, determined and verified peak flows at the existing crossing, performed an impact assessment due to changes in water surface elevations, developed HEC-HMS and HEC- RAS models, and ***prepared a comprehensive drainage report*** to document findings.
06/21 – 12/22	**TDOT I-65 Widening, Sumner & Robertson Counties, TN.** *Drainage Engineer* for Segment 2 of the I-65 widening project to widen I-65 to three lanes from Highway 31w to south of New Hall Rd that included both inside and outside widening. Project involved the ***design of numerous closed drainage systems*** in OpenRoads due to proposed inside widening, determining pre-developend and post-developed peak flows for project outfalls, open conveyance system design, and the design and analysis of multiple culvert and cross-drains crossings throughout the project.
03/22 – 04/24	**FM 1209 at FM 969 Intersection Improvements, TxDOT, Bastrop County, TX.** *Project Manager* and *Drainage Lead* for the FM 1209 at FM 969 Intersection Improvements to reconstruct the existing Y-intersection into a T-intersection, provide ***full depth reconstruction*** for both roadways, construction of a right-hand turn lane along FM 1209 EB with additional widening for a future left-hand turn lane, and the construction of a flashing beacon with the anticipation of a future signalized intersection and through lane. Project involved multiple planning considerations due to future developments adjacent to and within close proximity to the project site. The drainage design primarily included both ***cross-drain and open channel design.***
07/22 – 04/25	**Grant Rd Widening – Segment 4 (Harris County, TX).** *Project Manager* for the study phase to widen Grant Rd from 2 to 4 lanes with a raised median and south-side sidewalk (Cypress Rose Hill Rd to Telge Rd). ***Led coordination with Harris County and stakeholders*** on shared outfall design, stormwater channel expansion, and permitting. Managed subconsultants, traffic studies, and study phase reporting.

Firm employed by. ARCADIS			
Name	**Amanda Check, PE**	Years of relevant experience with this employer	11
Title	Senior Hydraulics and Drainage Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering, Georgia Institute of Technology	
Active registration number / state / expiration date		PE 45736 / LA / Exp. 09/2027; GA Level II Certified Design Professional ES&PC / Exp. 03/2029	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Hydraulic Engineering**	

Ms. Check has experience in drainage and hydraulic design, Municipal Separate Storm Sewer Systems (MS4), erosion control, roadway design, and geographic information systems (GIS). She has completed hydrologic and hydraulic modeling and studies on culverts, bottomless culverts, and bridges, including adhering to FEMA requirements on FEMA studied waterways. She has designed horizontal and vertical alignments, roadway drainage, MS4, and erosion control on projects ranging from rural roadways to interstates. Her knowledge and experience with GIS provide a valuable supplement to her design capabilities. Ms. Check has knowledge in multiple software programs including MicroStation, StormCAD, InRoads, OpenRoads, HEC-RAS, HEC-2, SRH-2D, HY-8, Hydraflow, FlowMaster, PondPack, SWMM, WinTR-55, WMS, and ArcGIS. She has completed the NHI SRH-2D training course (135095 Two-Dimensional Hydraulic Modeling of Rivers at Highway Encroachments) and 1D/2D Modeling with HEC-RAS training course. Ms. Check is a member of the American Society of Highway Engineers and the American Council of Engineering Companies.

Experience dates	Experience and qualifications relevant to the proposed contract
07/18 – 01/21	**I-40 Bridge Replacement over the Buffalo River Tennessee Department of Transportation (TDOT), Humphreys County, TN.** *Hydraulic Engineer*. The project replaced the existing eastbound and westbound bridges of I-40 over the Buffalo River with a new bridge constructed on the same horizontal alignment. Each existing bridge was 1,765 feet long, comprised of 42 spans and the proposed bridge is 1,775 feet long, comprised of 11 spans. Federal Emergency Management Agency (FEMA) has not established a regulatory floodplain or floodway for the project site, designated on the FIRM as Zone A. Responsible for the ***hydrologic calculations, Hydrologic Engineering Center - River Analysis System (HEC-RAS) hydraulic modeling***, scour calculations, abutment riprap calculations, deck drainage calculations, and report preparation.
12/15 – 03/23	**FY 2016 - FY 2022 Bridge Design-Build Program Georgia Department of Transportation (GDOT), Various Counties, GA.** *Hydraulic Engineer*. Program included costing plans for over fifty low impact, low volume, off system bridge replacements across Georgia where existing bridges were structurally deficient. Provided senior Quality Assurance and Quality Control (QA/QC) review of the hydrologic calculations, HEC-RAS hydraulic modeling, ***scour calculations, abutment riprap calculations, deck drainage calculations***, and report preparation.
01/21 – 03/23	**CR-122/Humpback Road over Little Satilla River GDOT, Brantley County, GA.** *Hydraulic Engineer*. The project replaced the existing 132 feet long 11 span bridge with a 180 feet long 4 span proposed bridge constructed on the same horizontal alignment. FEMA has not established a regulatory floodplain or floodway for the project site, designated on the FIRM as Zone A. The floodplain is very wide (approximately 8,000 feet) and the site and roadway are flooded during typical/non-extreme rain events throughout the year. Responsible for the hydrologic calculations, HEC-RAS hydraulic modeling, scour calculations, abutment riprap calculations, deck drainage calculations, and report preparation.

01/18 – 02/21	**SR-38 over Little McMillan Creek Bridge Replacement GDOT, Wayne County, GA.** *Hydraulic Engineer*. The project replaced the existing SR-38 twin bridges over Little McMillan Creek with new bridges constructed on the same horizontal alignment. The existing bridges are 200 and 208 feet long (eight spans each bridge) and the proposed bridges are 255 and 265 feet long (six spans each bridge). The hydraulic model also includes a downstream existing CSX railroad bridge (136 feet long, 14 spans). The project site is in FEMA Zone AE without a designated floodway, and the FEMA effective model was in Water Surface Profiles (WSPRO). Directly upstream/at the westbound bridge, Millikin Bay and Coleman Branch converge to create Little McMillan Creek. A minimal rise resulted but was within FEMA and GDOT allowable rise of one foot. Responsible for the hydrologic calculations, ***FEMA and GDOT hydraulic modeling in HEC-RAS***, scour calculations, abutment riprap calculations, deck drainage calculations, report preparation, and ***community coordination.***
03/20 – 03/21	**I-285 Westbound Ramp Extension GDOT, DeKalb County, GA.** *Hydraulic Engineer*. The project extended an I-285 westbound off-ramp, with the widening occurring over existing box culverts at North Fork Nancy Creek and North Fork Nancy Creek Unnamed Tributary 2. The project site is in FEMA Zone AE and has a designated floodway. The extensions of the two box culverts resulted in a minimal rise in Base Flood Elevations (BFEs). Responsible for the hydraulic analysis and associated ***Conditional Letter of Map Revision (CLOMR) application package, FEMA coordination, and community coordination***. After the initial CLOMR submittal to FEMA the HEC-RAS modeling and extension design was revised to obtain a no-rise by lining one of the culvert barrels.
02/21 – Ongoing	**I-285 at I-20 East Interchange Reconstruction GDOT, DeKalb County, GA.** *Hydraulic/Drainage Engineer*. The Design-Build project reconfigured the I-285/I-20 eastern interchange, widened and reconstructed approximately 6 miles of I-20, and reconstructed and improved approximately 2 miles of side roads. Responsible for the ***drainage and MS4 design*** and respective reports preparation, in addition to the erosion and sedimentation control design, calculations, and plans. One of the project's bridge replacements was a hydraulic crossing (I-20 over Snapfinger Creek) and is designated as FEMA Zone AE with a designated floodway. Responsible for the ***hydrologic calculations, HEC-RAS hydraulic modeling***, scour calculations, abutment riprap calculations, deck drainage calculations, and report preparation. The bridge replacement resulted in no increase in BFEs, however, the floodway width was revised at one published cross section. Responsible for the associated ***CLOMR and LOMR application packages, FEMA coordination, and community coordination*** with DeKalb County and the City of Stonecrest.
07/23 – Ongoing	**I-285 at I-20 West Interchange Reconstruction GDOT, Cobb and Fulton Counties, GA.** *Hydraulic Engineer*. The Design-Build project reconfigured the I-285/I-20 western interchange, widened and reconstructed approximately 6 miles of I-20, and reconstructed and improved approximately 2 miles of I-285. One of the project's bridge widenings was a hydraulic crossing (I-20 over Chattahoochee River) and is designated as FEMA Zone AE with a designated floodway. Initial ***modeling of bridge*** widening resulted in a minimal rise in BFEs. However, with the excavation/regrading of one overbank under the bridge a no-rise was achieved. Responsible for review of the ***hydraulic analysis and associated No-Rise Certification*** and community coordination with Cobb and Fulton Counties and the City of South Fulton.

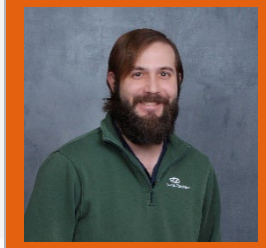
Firm employed by. ARCADIS			
Name	**Cailyn Youmans, PE**	Years of relevant experience with this employer	4
Title	Hydraulics and Drainage Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering, Georgia Southern University	
Active registration number / state / expiration date		PE. 48536 / LA / Exp 06/2028, *Also licensed in Georgia and Texas*	
Year registered	2023	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Hydraulic Engineering**	

Ms. Youmans is a civil engineer with nine years of experience specializing in water resources and hydraulics engineering. Her extensive background includes hydrologic and hydraulic modeling, open and closed roadway and site development drainage design and construction, modeling of FEMA and non-FEMA regulated waterways, and stormwater water quality. She has continually demonstrated competent design for a multitude of projects for private and state clients.

Experience dates	Experience and qualifications relevant to the proposed contract
09/23 – 06/24	**Caddy Drive & Sauvage Ave over Ames Canal No.1, LADOTD, Jefferson Parish, LA.** *H&H Design Engineer.* Two bridge replacements over a canal in Zone AE prepared for DOTD. Project classified as an Off-System Bridge Replacement. The replacement included widening of the bridges as well as widening of creek adjacent to the bridge to meet requirements. Waivers were necessary due to geometric constraints. Responsible for drainage calculations, bridge modeling, and hydraulic report. ***Calculations done using LADOTD's HYDR2009. Modeling included HEC-RAS.*** Received files processed using EPA SWMM.
02/22 – 04/25	**I-10 Calcasieu River Bridge P3, LADOTD, Calcasieu Parish, LA.** *Hydraulics Engineer* Segment 1 of 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. Project involves the design of ***both open and closed conveyance systems*** for Segment 1 between Prater Rd and PPG drive, ***culvert and cross-drain analysis and design, and outfall analysis utilizing LADOTD HYDR design software.***
11/21 – 05/24	**Blounts Creek Study, City of Fayetteville, Cumberland County, NC.** *H&H Design Engineer*. Study aimed to create various solutions and improvements to Blounts Creek and the secondary system to reduce amount of flood impacted areas. Design elements included open channel, culvert, bridge, closed drainage, and detention. Responsible for primary system hydraulic and ***hydrologic modeling/design of bridges improvements***, channel improvements, detention improvements, and reports of the influences of each proposed improvement. Modeling included Hydrologic Engineering Center - River Analysis System (HEC-RAS) and Hydrologic Engineering Center - Hydrologic Modeling System (HEC-HMS).
09/24 - Present	**Russell – Person Blounts Bridge & Stream Restoration, City of Fayatteville, Cumberland County, NC.** *H&H Design Engineer.* Two bridge replacements and stream grading/restoration were approved and funded through multiple federal and state grants. The design includes grading of 4000 linear feet of Blounts Creek. One of the bridges is a CSX railroad bridge. The project required a ***2D model to analyze the complex storage*** that occurs throughout the project limits. Modeling includes HEC-RAS, HEC-HMS, and RAS2D.

10/21 – 04/22	**FY22 Bridge Bundle, GDOT, Various Counties, GA.** *H&H Design Engineer*. Six bridge replacement costing plans. Design elements included ***hydraulic study and subsequent bridge hydraulic reports.*** Responsible for hydraulic modeling, determining recommended bridge length, chord, span, and placings, scour and deck drainage calculations and writing the report. Modeling included HEC-RAS.
10/23 – Ongoing	**SR-20, GDOT, Cherokee County, GA.** *H&H Design Engineer.* 17-mile-long road improvement. Design elements culvert design, bridge design, and ***open and closed drainage design.*** Responsible for the ***bridge modeling and culvert modeling*** of the project as well as the H&H report. Project includes a bridge located in a FEMA Zone AE with a floodway with abnormal stages located where the Etowah River enters Lake Allatoona. Modeling includes HEC-RAS.
01/19 – 08/19	**Newport Business Park, Mansfield, Tarrant County, TX.** *Pond and Hydraulic Engineer.* Office development site design along a regulatory floodway Zone AE creek. Design elements included water quality ponds, site design, and flood study with grading. Responsible for the water quality ponds and the flood study with grading which included adding two frontage roads missing in the effective model along with our site grading changes which required a ***Letter of Map Revision based on Fill (LOMR-F) report with the flood study for Federal Emergency Management Agency (FEMA).*** Modeling included HEC-RAS for hydraulics and AutoCAD for grading.
02/20 – 09/20	**Villas at Long Branch, Rowlett, Dallas County, TX.** *Hydraulic Engineer***.** Neighborhood development site design along a regulatory floodway Zone AE creek. Design included residential site design and ***flood study with a Conditional Letter of Map Revision (CLOMR)***. Responsible for modeling the proposed site design and updating the adjacent bridge, providing corrected effective, and revised plan along with preparing the report and then as built CLOMR for FEMA. Modeling included HEC-RAS.

Firm employed by:	Stanley Consultants		
Name	**Jared Blohowiak, PE**	Years of relevant experience with this employer	8
Title	Transportation Engineer	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE # 46547 / LA / Exp. 09/30/2026	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Drainage and Roadway Design**	



Mr. Blohowiak's roadway experience includes working on DOTD projects with oversight by several professional engineers. He has been responsible for designing guardrails, performing drainage design with HYDRWIN, developing typical section design, completing geometric design, preparing permanent signage and striping design, preparing site plans, and accurately tabulating materials and services required. He is often responsible for detailed corrections and adjustments to plan sets and for maintaining that plan sets comply with DOTD specifications and standards. He has created and manipulated three-dimensional surfaces, models, alignments, cross sections, and profiles to describe new and existing ditches, and roadways using InRoads and OpenRoads software. He holds certifications in Traffic Control Technician, Traffic Control Supervisor, and Flagger training.

Experience dates	Experience and qualifications relevant to the proposed contract
10/18 – 04/22	**H.010960 LA 30 Roundabouts at Tanger & I-10, DOTD, Ascension Parish, LA.** *Engineer* for assisting all necessary engineering and related services required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Assisted with quality assurance (QA) of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, ***drainage design,*** and driveway details.
11/18 – 04/22	**H.011137 I-12 LA 1077 to LA 21, DOTD, St. Tammany Parish, LA.** *Engineer* for assisting with drafting of typical section sheets, quantity tables, guardrail layout designs, plan/profile sheets, signing and striping sheets using CADConform and MicroStation. Designed guardrail layouts and performed quantity calculations. Assisted with the development of cost estimates and followed the Stanley Consultants QA/Quality Control (QC) plan.
01/17 – 06/18	**Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish Government, St. Tammany Parish, LA.** *Engineering Intern* for assisting with the design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171.
04/23 – Ongoing	**H.013941 LA 724 Roundabout at Landry Rd, DOTD, Lafayette Parish, LA.** *Engineer.* Assisted with the hydraulic design of the project by providing methodology and guidance as well as providing QA on the proposed design and hydraulic report.
04/25 – Ongoing	**H.016278 US 167 Median Improvements; DOTD; Lafayette, LA.** *Design Engineer* for the initial ***drainage survey*** evaluation for existing ***drainage patterns.***
10/18 – 11/22	**H.011909 US 171 at Boone St. Roundabout, DOTD, Vernon Parish, LA.** *Engineer.* Assisted with the design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Completed tasks included budgeting, project cost estimation, utility coordination, and QA for the design and construction plans.
09/24 – Ongoing	**H.015849 US 190 R-CUT at LA 741, DOTD, St. Landry Parish, LA.** *Design Engineer* for the design and annotation of the graphical grades for the project to ***maintain adequate drainage*** and clear and concise construction notes for the geometry of the right-cut turn lanes.

05/24 – Ongoing	**H.014041 Inter. Imp. on LA 92 at LA 733 & Gallet Rd, DOTD, Lafayette, LA.** *Engineer* in charge of the roadway geometry design. Maintained that the roadway met the standards for a high-speed approach roundabout and provided multiple alternatives that highlighted the impacts of the design. Delegated tasks for creating 30% preliminary plans and met with clients to discuss project concerns.
01/23 – 12/25	**H.015052 I-20 Widening/Overly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA.** *Engineer* for engineering design services on an interstate improvement project to a section of Interstate 20 in Monroe, Louisiana. Collected and documented sign data along the corridor, analyzed drainage patterns and structures to evaluate potential flooding hazards, and ***designed new drainage systems*** to minimize the hazards for the roadway and neighboring communities.
08/24 – Ongoing	**H.015569 LA 44 I-10 Roundabouts, DOTD, Ascension Parish, LA.** *Project Engineer* for design assistance with ***a focus on drainage design*** for three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, Louisiana.

TRAFFIC ENGINEERING STAFF

Firm employed by. ARCADIS				Meets MPR No. 5
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 Department of Transportation 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 Environmental Assessment for Replacing Belle Chasse Tunnel and Bridge, Louisiana Department of Transportation and Development (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 ***LADOTD 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. Analyis 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 Pedestrian 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 ***data collection 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 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: ARCADIS			
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	
Active registration number / state / expiration date		PE. 47579 / LA / 09/30/2027; PTOE #5291 / USA / Exp. 7/2028; RSP2I #182 / USA / Exp. 7/2027	
Year registered	2023	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Traffic Engineering**	

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.

Experience dates	Experience and qualifications relevant to the proposed contract
02/23 – Ongoing	**Cross Bayou Bridge Replacement Stage 0 Feasibility Study, LADOTD, Caddo Parish, LA.** *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.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer*. Assisting in traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of existing condition safety analysis including tasks such as ***crash data analysis, collision diagrams, and crash report documentation.***
09/19 – Ongoing	**I-49 (Ricohoc to Berwick) Supplemental Environmental Impact Assessment, LADOTD, St. Mary Parish, LA.** *Traffic Engineer*. Assist in project tasks involving planning and ***evaluation of interchange alternatives and associated geometric designs***, socio-economic impacts, mobility impacts, and environmental impacts.
12/19 – 09/25	**MoveBR Bluebonnet Blvd (Perkins Road to Picardy Avenue), City of Baton Rouge, East Baton Rouge Parish, LA.** *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.

01/21 – Ongoing	**MoveBR Lee Drive (Highland Road to Perkins Road), City of Baton Rouge, East Baton Rouge Parish, LA.** *Traffic Engineer.* The purpose of the project is to provide capacity improvements and pedestrian/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.** *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.** *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 seven (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 Districtiion, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in Stage 0 Feasibility Reports 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.** *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.** *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.** *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.

Firm employed by. ARCADIS			Meets MPR No. 5
Name	**Sridhar Basetty, PE, PTOE**	Years of relevant experience with this employer	20
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2004 / Civil Engineering, University of Dayton BS / 2002 / Civil Engineering, Osmania University	
Active registration number / state / expiration date		PE. 38950 / LA / Exp. 09/30/2026; PTOE 3682 / USA / Exp. 08/2026	
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Traffic Engineering**	

Mr. Basetty is a Senior Traffic Engineer with experience in a wide range of traffic engineering applications including traffic modeling and analysis, intersection and corridor studies, signal warrant analysis, signal design, and signing design. His project experience includes Stage 0 Feasibility studies, freeway and arterial corridor studies, IMR and IJR studies, transportation management plans, Environmental Assessments and traffic impact studies. He is highly proficient with traffic modeling and analysis tools that include Highway Capacity Software, Synchro / SimTraffic, TRANSYT 7F, CORSIM, Vissim, Sidra, Visum, CUBE, and TransCAD.

Experience dates	Experience and qualifications relevant to the proposed contract
03/17 – Ongoing	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement, LADOTD, St. Mary Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing traffic engineering components of the ***Supplemental Environmental Impacts Statement (SEIS)***. Study elements include data collection, microsimulation model development and calibration, travel forecasting memorandum, evaluation of interchange locations and types to support the conversion of US 90 to Interstate-49.
01/14 – 06/23	**Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Livingston Parish, LA.** *Senior Traffic Engineer*. Traffic study preparation to ***analyze three Stage 0 build alternatives to relieve traffic congestion and improve traffic operations*** on LA 3002 (S. Range Avenue) and its intersections in the vicinity of the I-12 interchange. Responsibilities include performing a traffic study based on LADOTD microsimulation guidelines and FHWA Traffic Analysis Toolbox Volume III guidelines. Main tasks include traffic data collection, Vissim model calibration and simulation, alternative traffic analysis, technical documentation, signal timing, signal warrant analysis, conceptual layouts development, preliminary cost estimates, and ***public outreach***.
01/14 – 09/18	**Traffic Engineering IDIQ - US 71 Corridor Traffic Study - Phases 1-3, LADOTD, Rapides Parish, LA.** *Senior Traffic Engineer*. Preparation of a traffic studies for the purpose of enhancing mobility and safety. Main tasks include ***traffic data collection***, ***signal warrant studies, traffic analysis***, safety data analysis, and development of conceptual layouts. Data collection efforts include automated one-week counts, manual turning movement counts, intersection approach counts, travel time runs, and spot speed studies. Responsibilities include conducting signal timing optimization, signal warrant analysis at all major intersections and developing a ***preliminary cost estimate and conceptual layout drawings of alternatives*** including U-turns, J-turns, restricted turns, one-way frontage roads, slip ramps, and service road islands (right-out only). Responsibilities also include developing Vissim model animations of the proposed alternatives for high- and low-volume scenarios.

02/15 – 01/18	**Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Traffic Study, LADOTD, Bossier Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing the development/evaluation of existing and future year conditions using a calibrated Vissim model. ***Designed alternatives for phased implementation based on identified needs and input from local stakeholders*** including medians, restricted intersections, roundabouts, roadway widening, and signal timing enhancements. Responsible for development and quality control of all project deliverables including traffic modeling, public involvement, and traffic study documentation.
02/15 – 11/17	**Traffic Engineering IDIQ - Intersection Feasibility Study, Evangeline Thwy, Johnston St, & Louisiana Ave, LADOTD, Lafayette Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing all scope elements including data collection, development of calibrated Vissim model, development of ***operational and safety improvements, signal warrant analysis***, and study documentation. Proposed improvements included a continuous flow intersection alternative and restricted intersection alternatives. A Vissim animation was created to demonstration the operational characteristics of proposed alternatives.
11/14 – 10/15	**Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout Safety Study, LADOTD, Ascension Parish, LA.** *Senior Traffic Engineer*. Responsible for coordination between the Concept Design Team and Lead Engineers at LADOTD; preparation of final documents to be delivered to LADOTD at the end of the project. The project intersection was an unsignalized intersection located south of Gonzales, Louisiana. The purpose of the study was to ***investigate the viability of converting this intersection into a roundabout based on right-of-way limitations***. The intersection is situated between several utility pipelines that potentially present construction problems with a roundabout design. Three different roundabout alternatives were evaluated - roundabout at current location, roundabout south of intersection, and dual roundabouts.
12/13 – 05/15	**Safety Studies IDIQ - Joe Sevario/Roddy Road Roundabouts Stage 0 Safety Study, LADOTD, Ascension Parish, LA**. *Senior Traffic Engineer.* Responsible for project management, ***public outreach and stakeholder interaction***, review of traffic and safety analysis, conceptual layout development, and Stage O documentation. Study to address the safety needs along the corridor and evaluate the feasibility of roundabouts at various intersections between US 61 and LA 42. The corridor accommodates both local residential traffic and regional traffic due to the presence of intersecting state routes. The presence of narrow, higher speeds side-streets introduced an additional factor influencing safety along the corridor. Arcadis' evaluation methodology ensured that all project-related safety issues were identified and ***appropriate mitigation measures*** in the form of roundabout and/or lane treatments were proposed to address anticipated issues.
10/15 – 06/19	**US90 Business Signing Upgrades, LADOTD, Orleans and Jefferson Parish, LA.** *Engineer of Record.* Responsible for development of ***transportation management plans*** and permanent signing plans for segments of US 90 Business and I-10 through New Orlean's Central Business District and surrounding areas. The project replaced all standard and overhead signing within the project limits. Project scope included inventory of existing signs, development of proposed sign layouts, structural details development, and production of 4 construction plan sets for distinct segments of the project limits.

Firm employed by. ARCADIS			
Name	**Tait Karlson, PE, PTOE**	Years of relevant experience with this employer	2
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		MS / 2005 / Transportation Engineering, University of Florida BS / 2001 / Civil Engineering, University of Florida	
Active registration number / state / expiration date		PE. 40438 / LA / Exp. 09/30/2026; PTOE 3091 / USA / Exp. 07/20/2026	
Year registered	2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Traffic Engineering; ITS Design**	

Mr. Karlson has over 20 years of experience in the field of traffic engineering. As a senior traffic engineer for Arcadis, his responsibilities include managing and delivering a range of traffic engineering tasks including intersection and corridor studies, safety studies, signal design, ITS design, **complete streets**, and access management studies. Project applications include **feasibility studies** and traffic and ITS design projects. He is proficient in relevant software including High Capacity Software (HCS), Synchro, Vissim, SIDRA, and MicroStation and is well versed in the policies and procedures in the Highway Capacity Manual, Highway Safety Manual, LADOTD manuals and EDSMs, and AASHTO Greenbook. **Tait has also completed the LADOTD Traffic Engineering Process and Report Training.**

Experience dates	Experience and qualifications relevant to the proposed contract
05/17 – 03/19	**Stage 0 Feasibility Study - US 171 (MLK Blvd) Improvements, LADOTD, Lake Charles, LA.** *Senior Traffic Engineer*. Developed a calibrated VISSIM model for existing conditions and the future no-build conditions along US 171 in Lake Charles, LA. ***Alternative improvements*** were recommended and modeled to determine the best solutions to improve the corridor. The project included ***data collection***, development of growth rates, developing and calibrating an existing VISSIM model and ***evaluation and development of alternatives***, developing the final report, and performing QA/QC review.
06/12 – 09/13	**Feasibility Study - Abrams Street (Cooper Street to Collins Street), City of Arlington, TX.** *Traffic Engineer.* Performed a traffic and concept study as part of the Abram Street Pilot Project (Cooper Street to Collins Street). The report further stated that the future design of Abram Street will have a direct impact on the City's ability to fully implement the Downtown Master Plan's vision to revitalize the downtown area. The traffic study identified and estimated the potential diversion of Abram Street traffic to other area roadways as travel lane capacity is removed from the corridor. The concept study portion of the project ***developed concept alternatives*** for all modes of transportation and pedestrians. Tait was responsible for traffic analysis; ***alternative analysis and recommendations***; and preparation of the ***feasibility study report***.
09/11 – 05/12	**Feasibility Study – MS 30 at Lafayette CR 215/217, MDOT, MS.** *Traffic Engineer*. The project goal was to conduct a ***feasibility study*** and develop plans for proposed safety improvements at the intersection of MS 30 and CR 215/217. MDOT's goal was to implement improvements that would likely reduce crashes at this rural intersection while maintaining efficient traffic flow. The study concluded that construction of a roundabout would best address the critical needs of this intersection. Tait helped ***develop the concepts of the initial alternatives*** and then used the extensive procedure outlined in the Highway Safety Manual to perform the safety and ***benefit/cost analysis***.
09/23 – 12/24	**MS 15 From Audubon Drive to I-59, MDOT, Laurel, MS.** *Project Manager*. This project analyzed and designed roadway improvements to enable safe and efficient access for users of Highway 15 in Laurel, MS. The assignment included preparing traffic analysis and ***conceptual plans*** to convert the five-lane section to a four-lane boulevard with strategically placed U-

	turns. This is expected to more safely and efficiently accommodate the large amount of traffic and significantly reduce crashes. The design was presented to the city council and the public.
06/23 – 02/24	**MS 161 from Walmart Entrance to 6th Street, MDOT, Clarksdale, MS.** *Senior Traffic Engineer*. This project consisted of ***analyzing multiple alternatives of typical sections*** for the corridor to determine if a road diet would be feasible and ***developing conceptual plans***. The goal of the road diet was to provide pedestrians and bicyclists with safe means of travel throughout the corridor. The analysis included reviewing crashes, performing capacity analysis of the alternatives, and determining pedestrian and bicycle needs.
05/24 - Ongoing	**Scenic Highway Feasibility Study and Signal Design, City of Baton Rouge, East Baton Rouge Parish, LA.** *Senior Traffic Engineer*. The purpose of the project is to ***develop feasible alternatives*** that enhance safety and accessibility for non-motorized modes of travel. Following the completion of the feasibility study, Arcadis is providing signal design for the preferred alternative, which includes signal upgrades at existing intersections and a new HAWK signal.
05/24 – 05/24	**SR-67 from US 49 to Lickskillet Road Value Engineering Study, MDOT, Harrison County, MS.** *Senior Traffic Engineer.* The roadway project along MS 67/SR 67 from Lickskillet Road to US 49 implements Restricted Crossing U-Turns (RCUTS) and the ***superstreet concept*** to improve traffic flow, address anticipated growth in the area, and increase safety by minimizing conflict points. The project also includes two signalized turnarounds at local roads and lighting improvements. Arcadis conducted a three-day VE study for the project, applying the SAVE International eight-phase Value Methodology Job Plan to evaluate the submitted plans. The VE team developed thirteen proposals for consideration with potential cost-savings of $8 Million.

SURVEY & SUE STAFF

Firm employed by. LAZENBY & ASSOCIATES, INC.			Meets MPR No 10
Name	James S. Ellingburg, PE, LSI	Years of relevant experience with this employer	18
Title	Project Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		PE. 0037236 / LA / Exp. 09/2026 LSI. 0000814 / LA / Exp. 03/2028	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Surveying**	

Mr. Ellingburg has 18 years of experience in developing roadway plans on both LADOTD (Louisiana Department of Transportation and Development) and local roadway projects. Mr. Ellingburg is familiar with the LADOTD Roadway Design Procedure and Details Manual and the LADOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Ellingburg has assisted in hydraulic analysis and design, as well as roadway design and preparation of roadway plans, on a variety of roadway projects. He has also assisted with the processing of topographic survey data on multiple projects.

Experience dates	Experience and qualifications relevant to the proposed contract
05/08 – 06/15	**Arkansas Road (LA 616), Ouachita Parish, LA.** *Project Staff Engineer.* This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts that required extensive geometric design and graphical grade development in order to meet AASHTO and LADOTD standards and requirements for safety. Initially served as an engineering technician, ***checking the topographic survey in the field for accuracy***. Served then as a project staff engineer, assisting the project engineer with ***development of existing drainage maps, drainage design maps, utility adjustments, and developing roadway plans***. Assisted with roundabout designs, joint layouts, graphical grades and sequence of construction in both Preliminary and Final plan development. Provided construction support on an as-needed basis by answering field questions from the contractor or LADOTD, once the project was let for construction.
12/10 – 10/12	**Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA.** *Project Staff Engineer.* This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. Served as a project staff engineer, working on development of existing drainage maps, design drainage maps, roadway drainage plans, and assisting with roadway and bridge design and plan development for both Preliminary and Final plans. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway.
11/11 – 01/12	**El Camino East/West Corridor, Route LA 6, Natchitoches Parish, LA** *Project Staff Engineer.* Served as a project staff engineer, developing existing ***drainage maps for a LDOTD Topographic Survey***.
09/17 – Ongoing	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** *Project Staff Engineer.* Served as a project staff engineer, assisting with generating topographic survey deliverables, developing existing drainage maps for the ***topographic survey portion*** of the project. Performed drainage design, developed design drainage maps, and assisted with

	design of five multi-lane roundabouts, developing graphical grades and assisting with geometric design and sequence of construction, during the design and plan preparation portion of the project. This urban project includes five multilane roundabouts and interstate ramp modifications that required extensive geometrics and graphical grades in order to meet AASHTO and LDOTD standards and requirements for safety.
01/17 – Ongoing	**Ouachita Parish Police Jury Road Program, LA.** *Project Engineer.* Integral team member of the Ouachita Parish Police Jury Road Program. Tasks include of evaluating parish roadways and developing pavement preservation construction plans, including ***processing the topographic surveys***, drainage design, and geometric improvements, to preserve and extend the life of Ouachita Parish roadways, some of which are designed and constructed under the LADOTD Urban Systems program. Served as project engineer during construction, ensuring that the projects are built in accordance with the plans and specifications. Provided professional services, including serving as the project engineer during construction, with some of the following Ouachita Parish Urban System projects: • State Project No. H.011747 – Edwards Road (Reconstruction) • State Project No. H.013796 – Tanglewood Drive (Reconstruction) • State Project No. H.013802 – Garrett Road (Mill, Patch and Overlay) • State Project No. H.013803 – Richwood Road No. 2 (Mill, Patch and Overlay) • State Project No. H.013804 – Wall Williams Road (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.014350 – Old Natchitoches Rd (Mill, Patch and Overlay)
11/22 – 08/25	**Kansas Ln Ext (Old Sterl.-US165) Phase 1, Ouachita Parish, LA.** *Project Engineer*. This project consisted of the construction of new roadway in Ouachita Parish. Served as the project engineer during construction of this project, ensuring that the project is built in accordance with the plans and specifications, coordinating testing to confirm compliance with LADOTD Material Sampling Manual, and coordinating construction activities with utility companies and railroad personnel to keep the project on schedule.

Firm employed by. LAZENBY & ASSOCIATES, INC.				Meets MPR No. 7
Name	**Paul D. Fryer, PE, PLS**		Years of relevant experience with this employer	40
Title	Senior Vice-President		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			B.S. / 1984 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date			PLS 0004806/ LA / Exp. 09/2027 PE. 0023426 / LA / Exp. 09/2027	
Year registered	1987, 1997	Discipline	Civil Engineering, PLS	
Contract role(s) / brief description of responsibilities			**Surveying**	

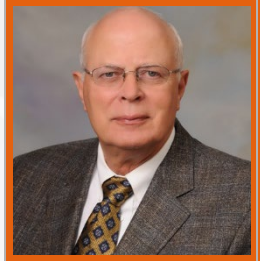
Mr. Fryer has over 40 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. Mr. Fryer is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Mr. Fryer has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "0" studies as well as topographic surveys, property surveys, development of ROW maps. Mr. Fryer also has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served in a QA-QC role on many different projects throughout his career.

Mr. Fryer is familiar with the LDOTD Location and Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. He has overseen the development of right-of-way maps for various LDOTD projects for over 20 years.

Experience dates	Experience and qualifications relevant to the proposed contract
10/07 – 04/16	**Arkansas Road (LA 616), Ouachita Parish, LA.** *Project Manager.* This project consisted of widening a 3.2-mile segment of LA 616 from two lanes with open ditches to 5 lanes with subsurface drainage. Served as project manager, responsible for QA-QC of the plans, and was ***surveyor in charge of right-of-way maps.***
07/10 – 05/18	**Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA.** *Project Manager.* This project consisted of the reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road and included two bridge structures. Served as project manager, was responsible for QA-QC of the plans, and was the ***surveyor in charge of right-of-way maps***.
02/18 – Ongoing	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** *Project Manager.* This project consists of widening Garrett Road from two lane to 4 lanes and construction of a new connector roadway from Garrett Road to Kansas Lane. The project includes five multi-lane roundabouts, ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, lighting, and traffic signal work at the intersection of Kansas Lane and Millhaven Road. Served as project manager, is responsible for QA-QC of the roadway plans, and prepared right-of-way maps for the project.
05/08 – 05/12	**Kansas Lane Extension (Route US 80 to Route US 165) City of Monroe Urban Systems, Ouachita Parish, LA.** *Project Manager.* Served ***as project manager and surveyor responsible for conducting property surveys***, and developing right-of-way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.

11/10 – 05/13	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Manager.* This retainer contract authorized 23 task orders for ***topographic surveys,*** property surveys and ROW maps over a 3-year period. Served as the Project Manager and performed QA/QC for this contract.
03/08 – 04/11	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Manager.* This retainer contract authorized 15 task orders for topographic surveys, ***property surveys and ROW maps*** over a 3-year period. Served as the Project Manager and performed QA/QC for this contract.
11/11 – 01/15	**Retainer Contract For Professional Surveying Services, Statewide, LA.** *Project Manager.* This retainer contract authorized 25 task orders for ***topographic surveys, property surveys*** and ROW maps over a 3-year period. Served as the Project Manager and performed QA/QC for this contract.
03/18 – 03/23	**Retainer Contract For Professional Surveying Services, Statewide, LA.** *Project Manager*. This retainer contract authorized 25 task orders for ***topographic surveys, property surveys and ROW maps*** over a 5-year period. Served as the Project Manager and performed QA/QC for this contract.
08/22 – Ongoing	**US 165 Turn Lanes at Scott Drive, Ouachita Parish, LA.** *Project Manager.* Provided a QA/QC review of the roadway plans and contract documents for this project, which consisted of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project was funded by LDOTD through Ouachita Parish School Board.
08/23 – Ongoing	**IIJA Off-System Bridge Replacement Program, District 05, LA.** *Project Manager.* Providing QA/QC reviews of the various plan submittals for ten (10) off-system bridge projects in LDOTD District 05 under this contract. Responsible for performing the ***property surveys and preparing the Right-of-Way Maps*** for this contract. The projects included in this contract are as follows: • State Project No. H.015337 – Mineral Springs Road Over Clark Creek, Ouachita Parish • State Project No. H.015453 – Hale Road Over Alligator Bayou, West Carroll Parish • State Project No. H.015454 – Keppler Creek Road Over Sugar Creek, Jackson Parish • State Project No. H.015455 – Spring Creek Road Over Wafer Creek, Lincoln Parish • State Project No. H.015456 – Hodge Road Over Cypress Bayou, Madison Parish • State Project No. H.015459 – Lapine Road Over Rogers Creek, Ouachita Parish • State Project No. H.015460 – Little Road Over Creek, Rapides Parish • State Project No. H.015461 – Fire Tower Road Over Rock Creek, Union Parish • State Project No. H.015462 – Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish • State Project No. H.015463 – White Oak Landing Over Edmonds Creek, Union Parish Most of these projects have reached the final preliminary plan stage and are awaiting environmental clearance.

Firm employed by.	LAZENBY & ASSOCIATES, INC.		
Name	**Jerry G. Lazenby, PE, PLS**	Years of relevant experience with this employer	45
Title	President	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 1965 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date		PLS. 0002313/ LA / Exp. 03/2028 PE. 0012104 / LA / Exp. 03/2028	
Year registered	1970 1970	Discipline	Professional Land Surveyor Professional Engineer (Civil and Environmental)
Contract role(s) / brief description of responsibilities		**Surveying**	



Mr. Lazenby has over 60 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of Mr. Lazenby's career were spend with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction. Mr. Lazenby has designed and supervised numerous projects for LDOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time. Mr. Lazenby has successfully completed the following continuing education classes, workshops, and seminars:

- LA Specific Traffic Control Technician Course, 2024 (refresher)
- LA Specific Traffic Control Supervisor Course, 2024 (refresher)
- National Environmental Policy Act (NEPA) and Transportation Decision Making.

Experience dates	Experience and qualifications relevant to the proposed contract
07/10 – 12/13	**Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish, LA.** *Principle-in-Charge.* Principle-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed ***topographic surveys, property surveys***, right-of-way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.
12/07 – 05/16	**Arkansas Road (LA 616), Ouachita Parish, LA.** *Principle-in-Charge, Project Manager.* Mr. Lazenby was Principle-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed ***topographic surveys, property surveys and developed right-of-way maps,*** preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.
09/17 – 03/26	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** *Principle-in-Charge*. On this project, Lazenby & Associates performed ***topographic surveys, developed preliminary roadway plans***, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, five (5) multilane roundabouts, a new overpass structure over I-20, a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad

	tracks, lighting, and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.
10/14 – 06/17	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Principle-in-Charge*. Responsible for 8 Task Orders to perform ***topographic surveys*** on various LDOTD projects in Louisiana
01/17 – 01/20	**Retainer Contract for Professional Surveying Services – Statewide.** *Principle-in-Charge*. Responsible for 6 Task Orders to perform ***topographic surveys*** on various LDOTD projects in Louisiana.
10/19 – 02/24	**Retainer Contract for Professional Surveying Services – Statewide.** *Principle-in-Charge*. Responsible for 15 Task Orders to perform ***topographic surveys*** on various LDOTD projects in Louisiana.
10/20 – Ongoing	**Retainer Contract for Professional Surveying Services – Statewide .** *Principle-in-Charge.* Responsible for this contract, which thus far has contained 2 Task Order to perform a ***topographic survey*** on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34) in Ouachita Parish and a ***topographic survey*** on S.P.N. H.015640.5: LA 150 – LA 818 Roundabout in Lincoln Parish..
08/23 – Ongoing	**IIJA Off-System Bridge Replacement Program, District 05, LA.** *Principle-in-Charge*. Responsible for the replacement of structurally deficient bridge structures for ten (10) off-system bridge projects in LDOTD District 05 under this contract. He is also providing QA-QC reviews of the roadway and bridge plans. The projects included in this contract are as follows: • State Project No. H.015337 – Mineral Springs Road Over Clark Creek, Ouachita Parish • State Project No. H.015453 – Hale Road Over Alligator Bayou, West Carroll Parish • State Project No. H.015454 – Keppler Creek Road Over Sugar Creek, Jackson Parish • State Project No. H.015455 – Spring Creek Road Over Wafer Creek, Lincoln Parish • State Project No. H.015456 – Hodge Road Over Cypress Bayou, Madison Parish • State Project No. H.015459 – Lapine Road Over Rogers Creek, Ouachita Parish • State Project No. H.015460 – Little Road Over Creek, Richland Parish • State Project No. H.015461 – Fire Tower Road Over Rock Creek, Union Parish • State Project No. H.015462 – Pilgrims Rest Church Road Over Steep Bank Creek, Union Parish • State Project No. H.015463 – White Oak Landing Over Edmonds Creek, Union Parish Most of these projects have reached the final preliminary plan stage and are awaiting environmental clearance.

Firm employed by. LAZENBY & ASSOCIATES, INC.				Meets MPR No. 6
Name	**Ronald J. Riggin, II, PE, PLS**		Years of relevant experience with this employer	11
Title	Senior Survey Lead		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BS / 2006 / Civil Engineering	
Active registration number / state / expiration date			PLS. 0005119/ LA / Exp. 03/2027 PE. 0036016 / LA / Exp. 03/2027	
Year registered	2014, 2011	Discipline	Professional Land Surveyor, Professional Engineer (Civil)	
Contract role(s) / brief description of responsibilities			**Surveying**	

Mr. Riggin is familiar with the requirements of the LADOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. Mr. Riggin is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Mr. Riggin has over ten (10) years of experience in conducting and performing topographic surveys, property surveys, and developing right-of-way maps.

Experience dates	Experience and qualifications relevant to the proposed contract
07/14 – 06/16	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Senior Surveyor* responsible for coordination and supervision of survey field crews performing ***topographic surveys and property surveys on 14 Task Orders*** for an accumulated value of $436,473.00 for LADOTD State Projects at various locations in northern Louisiana.
10/14 – 06/17	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Project Survey Lead* responsible for coordination and supervision of survey field crews performing ***topographic surveys and property surveys on 8 Task Orders*** for an accumulated value of $811,513.00 for LADOTD State Projects at various locations in Louisiana.
04/13 – 06/16	**Hydrographic Survey Monitoring of Existing Bridges, Statewide (North Region), LA.** *Senior Surveyor.* Performed ***hydrographic surveys on 14 Task Orders*** for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.
03/15 – 08/17	**Ole Highway 15 Improvements, Ouachita Parish, LA.** *Senior Surveyor.* Performed a topographic survey of a 2.2-mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design. This project consisted of pavement reconstruction under the DOTD Urban Systems program. (Note that we typically ***perform a full topo survey***, within existing right-of-way, on pavement preservation projects on Ouachita Parish roadways. This is not typically done for LADOTD on-system pavement preservation projects.).
05/16 – 02/18	**Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5, LA.** *Project Surveyor*. Performed a ***topographic survey of the alignment*** for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish. Also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions..
09/18 – 01/23	**Retainer Contract for Professional Surveying Services, Statewide (North Region), LA.** *Senior Surveyor.* Performed ***hydrographic surveys on major bridge structures*** in northern Louisiana for monitoring channel scour. Duties included

	supervision of field crews, ***analysis of survey data and development of required hydrographic survey reports*** at the various bridge locations for submission to the LADOTD.
12/18 – 02/19	**Garrett Road, Ouachita Parish, LA.** *Senior Surveyor*. Responsible for supervision and scheduling ***of field survey crews, analysis of survey data***, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 0.4-mile segment of roadway from LA 15 to Austin Street under the DOTD Urban Systems program.
01/19 – 04/19	**Wall Williams Road, Ouachita Parish, LA.** *Senior Surveyor.* Responsible for ***supervision and scheduling of field survey crews***, ***analysis of survey data***, and development of field roll for use in project design. This project consisted of segments of mill, patch, and overlay and segments of reconstruction of a 1.6-mile segment of roadway from Good Hope Road to LA 143 under the DOTD Urban Systems program.
04/19 – 07/19	**Lee Avenue, City of Monroe, Ouachita Parish, LA.** *Senior Surveyor.* Responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of a mill, patch, and overlay of a 1.2-mile segment of roadway from Jackson Street to Standifer Avenue under the DOTD Urban Systems program..
07/19 – 09/19	**Tanglewood Drive, Ouachita Parish, LA.** *Senior Surveyor.* Responsible for supervision and scheduling of field survey crews, analysis of survey data, and development of field roll for use in project design. This project consisted of roadway reconstruction a 0.3-mile segment of roadway from LA 15 to Dellwood Drive under the DOTD Urban Systems program.

Firm employed by. LAZENBY & ASSOCIATES, INC.			
Name	**Noah J. Sampognaro, PE, LSI**	Years of relevant experience with this employer	4
Title	Project Engineer	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2020 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE. 0049838 / LA / Exp. 09/2027 LSI.0000808 / LA / Exp. 03/2028	
Year registered	2025 2026	Discipline	Civil Engineering LSI
Contract role(s) / brief description of responsibilities		**Surveying**	

Mr. Sampognaro has 4 years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway plans on a variety of LDOTD and local roadway projects. Mr. Sampognaro passed his P.E. Civil Transportation exam in October 2022 and is currently enrolled in the University of Wyoming Cadastral Surveying Certificate Program. Mr. Sampognaro is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Mr. Sampognaro also assists in processing topographic survey and mobile LIDAR data, creating survey centerline alignments (ALG's) using horizontal regression analysis, developing digital terrain models (DTM's), and producing existing drainage maps for LDOTD topographic surveys.

Mr. Sampognaro has successfully completed the following continuing education classes, workshops, and seminars:

- TOPO Dot User Conference, 2022
- One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022
- LA Specific Traffic Control Technician Course, 2022
- LA Specific Traffic Control Supervision Course, 2022

Experience dates	Experience and qualifications relevant to the proposed contract
08/21 – 11/22	**North Frontage Road – Phase 2, Ouachita Parish, LA.** *Engineer.* Assisted in the development of roadway plans, including ***processing topographic survey data***, performing drainage design calculations and developing existing and design drainage maps. Also assisted with quantity calculations and preparation of a construction cost estimate. This project, which was prepared for the City of Monroe I-20 Economic Development District, consists of a 0.6-mile frontage road on new alignment north of Interstate 20, east of Garrett Road, in Monroe, Louisiana. Also assisted in construction support activities, including, but not limited to, site visits to address contractor RFI's, assisting in processing pay estimates and change orders, and assisting with the final inspection and preparation of a punch list.
01/21 – 06/22	**Retainer Contract for Professional Surveying Services, Statewide, LA.** *Engineer.* This retainer contract consisted of fifteen task orders to ***perform topographic surveys*** for various projects across Louisiana. Assisted in ***post-processing topographic survey data*** which was collected with the use of GPS receivers, robotic total stations, and SX-10 terrestrial scanners, as well as using TOPO Dot software to extract data collected with a terrestrial mobile lidar scanner. His duties also included ***creating survey centerline alignments (ALG's)*** and associated reports using horizontal regression analysis, developing existing digital terrain models (DTMs), and producing existing drainage maps. Assisted on the following task orders: • State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021)

	• State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021) • State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021) • State Project No. H.012541.5 – LA 594: Overpass I-20, Route 594 in Ouachita Parish (01/2022-06/2022) • State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022).
01/22 – 1/23	**I-20: I-20 Widening/Overlay (Vancil Rd to LA 34), Ouachita Parish, LA.** *Engineer.* This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Assisted in post processing the survey data, extracting mobile LIDAR data using TOPO Dot software, and creating the existing drainage map. He also assisted in quality control measures ***by comparing field data collected by the survey crew to LDOTD as-built drawings..***
01/21 – Ongoing	**Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish, LA.** *Engineer.* Assisted with quantity calculations during final plan development, as well as assisting with preparation of a construction cost estimate. This urban project includes five multilane roundabouts and interstate ramp modifications. The final plans are currently 98% complete.
01/21 – Ongoing	**Ouachita Parish Police Jury Road Program, LA.** *Engineer.* Assisted with the Ouachita Parish Police Jury Road Program. Tasks include developing pavement preservation roadway plans, including processing topographic survey data, design of cross drain structures, superelevation correction calculations, and quantity calculations, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program. Assisted on the followiing Ouachita Parish Urban Systems projects: • State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) • State Project No. H.014397 – Rowland Road (Mill, Patch and Overlay) • State Project No. H.014398 – Caples Road (Mill, Patch and Overlay).
06/21 – 10/24	**Multiple Projects, City Street Improvements, City of Monroe.** *Engineer*. Assisted with City of Monroe roadways designed under the LDOTD Urban Systems program. Tasks include developing pavement preservation roadway plans, including processing topographic survey data, hydraulic design, quantity calculations, and construction cost estimates. Assisted on some of the following City of Monroe Urban Systems projects: • State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay) • State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) Currently assisting with construction support activities by field marking and verifying required areas of pavement patching.
08/22 – 12/24	**US 165 Turn Lanes at Scott Drive, Ouachita Parish, LA.** *Engineer.* Assisted in the development of roadway plans and processing the topographic survey data, including creating the existing digital terrain model (DTM), existing drainage map, drainage design, and quantity calculations. This project, which was prepared for the Ouachita Parish School board, consisted of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington Louisiana.

Firm employed by. NTBA				Meets MPR No. 6
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.** *Quality Control Surveyor.* 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.** *Survey Project Manager.* 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.** *Survey Project Manager.* 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.** *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, 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.** *Assistant Project Manager* 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. NTBA			
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	**IIJA Off-System Bridge Program, District 62 (4400025041), LaDOTD, Statewide, LA.** *Quality Control Surveyor* 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.** *Assistant Project Manager* 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.** *Survey Project Manager* 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**. *Survey Project Manager* 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.** *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.
12/20 – 03/21	**LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5), LaDOTD, Natchitoches Parish, LA.** *Assistant Project Manager* 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.** *Quality Control Surveyor* 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.** *Project Manager* 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. NTBA			Meets MPR No. 7
Name	**Patrick C. Staiano, PLS**	Years of relevant experience with this employer	6.5
Title	Staff Surveyor	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS / 2008 / Construction Management, Louisiana State University	
Active registration number / state / expiration date		PLS 5130 / Louisiana / Exp. 09/30/2027	
Year registered	2015	Discipline	Professional Surveyor
Contract role(s) / brief description of responsibilities		**Surveying**	

Mr. Patrick Staiano, PLS will serve as NTBA Survey Project Manager for property surveys and right-of-way mapping during this contract. Patrick will manage field crews, technicians, data processing, drafting, review and certification of maps and surveys, and submittals. He satisfies MPR No. 7 per the advertisement.

Experience dates	Experience and qualifications relevant to the proposed contract
11/25 – 05/26	**Upper Ward Creek Clearing & Snagging Project, City of Baton Rouge/East Baton Rouge Parish, East Baton Rouge Parish, LA (25-DR-US-0013).** *Survey Project Manager.* Directing field crews, file processing, drafting, and submittals for ***topographic and property surveys, right-of-way mapping, and surveys in support of QL C, B, and D surface utility*** designating for flood reduction and associated channel-improvement work.
09/24 – 05/26	**IDIQ Contract for Professional Boundary Surveying Services, LADOTD, LA (4400027918).** *Survey Project Manager.* Directing field crews, file processing, drafting, and submittals 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.
01/23 – 05/26	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779).** *Assistant Survey Project Manager.* Assisting in the management of 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, surveys in support of QL B, C, and D subsurface utility designating, title take-offs, legal description preparation, and preliminary and final right-of-way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.
09/22 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337).** *Assistant Survey Project Manager.* Assisting in the management of 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, legal description preparations, and preliminary and final ***right-of-way mapping for 34 bridge and culvert replacements*** including surveying all sub-surface drainage structures as a sub-consultant to BKI.
09/22 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *Assistant Survey Project Manager.* ***Assisting in the management of 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, legal description preparations, and preliminary and final right-of-way mapping for 21 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to Waggoner.
09/24 – 10/24	**I-10: LA 415 to Essen Lane on I-10 and I-12, LADOTD West & East Baton Rouge Parishes, LA (44-17713 – Various Contract Nos & Multiple TOs).** *Quality Control Surveyor.* Assisted in field and office quality control management 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.
07/23 – 05/25	**IIJA Off-System Bridge Program, LaDOTD, District 62 (4400025041).** *Project Manager.* Directing field crews, file processing, drafting, and submittals 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.
03/21 – 08/22	**MOVEBR Jefferson Hwy. at Bluebonnet Intersection Improvements, LA (City Parish No. 20-CP-HC-0046).** *Project Manager*. ***Managed field crews and technicians for topographic surveys***, property surveys, and right-of-way mapping.
03/20 – 02/21	**UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502).** *Assistant Project Manager*. Performed property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right-of-way. ***Prepared 8 ALTA Surveys*** along with the privately owned parcels for acquisition, 0.25-acre acquisition parcel in the right-of-way, and an overall right-of-way strip map.
09/19 – 02/20	**MaBee Ranch Line Locates, DCP Midstream, Martin and Andrews Counties, TX (19-056-001).** *Project Manager*. Property surveying services in support of property acquisition services for ***32 individual pipelines totaling approximately 22 miles***.
03/18 – 10/18	**Rogillio Resubdivision, East Baton Rouge & East Feliciana Parishes, LA (Agency Proj. No. Unknown).** *Assistant Project Manager*. Performed title take-offs, boundary, and right-of-way calculations, and reviewing CADD drawings and plats for resubdivision ***services for 93 acres.***
04/17 – 03/18	**LA 653 Bayou Dumar Bridge Replacement, LADOTD, Lafourche Parish, LA (H.008118).** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, performed property surveys, prepared title work info, and right-of-way maps for a +/-0.5-mile project.
01/17 – 03/18	**LA 450 Stoney Point Bridge Replacement, LADOTD, Washington Parish, LA (Proj. No. Unknown).** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, performed property surveys and prepared title work info and right-of-way maps for a +/-0.25-mile project.
09/17 – 01/18	**LA 1026: Roundabout at Buddy Ellis Rd., LADOTD, Livingston Parish, LA (H.011824).** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, performed property surveys, prepared title work info, and right-of-way maps for a +/-0.3-mile project.
10/17 – 12/17	**US 190B Jefferson Ave. Roundabout Covington, LADOTD, St. Tammany Parish, LA (H.011260).** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, performed property surveys, prepared title work info, and right-of-way maps for a +/-0.1-mile project.
06/17 – 10/17	**LA 22: Near I-10 Geometric Improvements, LADOTD, Ascension Parish, LA (H.011314).** Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, performed property surveys, prepared title work info, and right-of-way maps for a +/-0.75-mile project.

Firm employed by. NTBA			
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).** *Survey Party Chief/ Field Coordinator/ QC Surveyor.* 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).** *Field Coordinator*. 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).** *Field Coordinator*. 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. NTBA			
Name	**Jeff Melville, PLS**	Years of relevant experience with this employer	28.5
Title	Staff Surveyor	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 1992 / Surveying & Land Information, University of Arkansas, Little Rock	
Active registration number / state / expiration date		PLS #4878 / LA / 03/31/27	
Year registered	2000	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Surveying**	

Mr. Jeff Melville, PLS will serve as NTBA Quality Control Surveyor during this contract. He'll assist with quality control review of survey data and deliverables.

Experience dates	Experience and qualifications relevant to the proposed contract
11/25 – 05/26	**IDIQ Contract for Professional Boundary Surveying Services, LADOTD, LA (4400027918).** *QC Surveyor*. Assists in the quality control review of 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.
11/25 – 05/26	**IIJA Off-System Bridge Program, LaDOTD, District 62 (4400025041).** *QC Surveyor*. Assists in the quality control review of 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.
11/25 – 04/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *QC Surveyor*. Assisted in the quality control review of 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.
01/26 – 01/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337).** *QC Surveyor*. Assisted in the quality control review of 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.
10/23 – 10/23	**Jimmie Davis Bridge (LA 511) Design-Build, LaDOTD, Bossier & Caddo Parishes, LA (H.001779).** *QC Surveyor*. Assisted in the quality control review of 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.

02/23 – 03/23	**I-20 Monkhouse to I-49, LADOTD, Caddo Parish, LA (4400017713).** *QC Surveyor*. Assisted in the quality control review of topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.
08/23 – 01/24	**ARDOT I-440 - Hwy. 31, I-40, Lonoke & Pulaski Counties, AR (Job No. 061677)** *Project Surveyor*. Assisted in the review of survey data, drafting, and quality control of deliverables for design and parcel surveying services along 3.14 miles of Highway 165 corridor with intersections at I-440 and Highway 391. The Design Survey included both Utility & Design Surveying (U&D) and LiDAR Feature Extraction.

Firm employed by. NTBA			
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).** *Field Operations Manager.* 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 BKI.
04/21 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *Field Operations Manager.* 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).** *Field Operations Manager/Survey Party Chief*. 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).** *Field Operations Manager*. 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).** *Field Operations Manager/ Survey Party Chief*. 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).** Survey Party Chief. 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).** *Survey Party Chief*. 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. NTBA			Meets MPR No. 8
Name	**Amy K. Schulze, PE, CFM**	Years of relevant experience with this employer	8
Title	Sr. Project Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering, Ohio Northern University CFM National Certification: US-16-08839 Electro-Magnetic Locating Instruments Certified Certificate of Locating Competency #WA2028 (Staking University)	
Active registration number / state / expiration date		PE #30295 / LA / Exp. 03/31/2027	
Year registered	2002	Discipline	Professional Engineer
Contract role(s) / brief description of responsibilities		**Subsurface Utility Engineering and Utility Relocation**	

Mrs. Amy Schulze will serve as the SUE Project Engineer/ Manager during this contract. She will supervise and manage any required subsurface utility designating/ locating services. Amy has nearly 30 years of SUE experience.

Experience dates	Experience and qualifications relevant to the proposed contract
12/25 – 05/26	**LADOTD/BPPJ Congestion Relief Winfield Road, Bossier Parish, LA (2025-118/H.003855.5).** *SUE Project Manager* for QL B, C, and D subsurface utility investigations including record reviews, surface feature surveys, underground utility designating, utility base-map development, and utility-owner coordination in support of roadway design.
06/25 – 05/26	**Upper Ward Creek Clearing & Snagging Project, City of Baton Rouge/ East Baton Rouge Parish, East Baton Rouge Parish, LA (25-DR-US-0013).** *SUE Project Manager* for QL C, B, and D surface utility designating, utility coordination services, and surveys in ***support of SUE for flood reduction*** and associated channel-improvement work.
11/25 – 05/26	**Kings Hwy: Healthcare & Development Corridor, LADOTD, Caddo Parish, LA (H.015724).** *SUE Project Manager* for surveys in support of ***SUE, QL B, C, & D utility designating, and utility coordination services*** in support of rehabilitation and design for roadway reconstruction.
01/22 – 05/26	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779).** *SUE Project Manager* for surveys in support of SUE, 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.
04/21 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *SUE Project Manager* for QL C & D subsurface utility services and surveys in support of ***SUE for 21 bridge and culvert replacements***.
08/21 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337).** *SUE Project Manager* for QL C & D subsurface utility services and surveys in support of ***SUE for 34 bridge and culvert replacements***.
08/22 – 05/26	**Delta Utilities/CenterPoint Energy Survey & SUE Services, LA (Various Proj. Nos.).** *SUE Project Manager* for QL B, C, & D ***subsurface utility designating services and surveys in support of SUE*** in various parishes throughout Louisiana to assist with utility relocation activities. 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.

01/25 – 02/25	**LADOTD Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975).** *SUE Project Manager* for QL D subsurface utility record research services and surveys in support of SUE for preliminary designs of box culvert initiative projects.
04/18 – 11/24	**I-10: LA 415 to Essen Lane, West & East Baton Rouge Parishes, LADOTD, LA (H.004100.5)** *SUE Project Manager* for QL B, C, and D subsurface utility designating as well as for surveys in support of ***SUE for approximately 13 miles of roadway.***
06/24 – 08/24	**Carroll Road Survey & SUE, St. Tammany Parish Government, St. Tammany Parish, LA (42200856).** *SUE Project Manager* for QL B, C, and D utility designating services and surveys ***in support of SUE throughout the approximately 1.5 miles*** of the project corridor of Carroll Road including all surface streets, drainage ways, and 2 major intersections.
06/24 – 08/24	**LA 73 to LA 30 Roundabout, Ascension Parish Government, Ascension Parish, LA (MA-23-08).** *SUE Project Manager* for QL B, C, and D subsurface utility designating and surveys in support of SUE for the intersection improvements for the design of new roundabout.
02/20 – 07/24	**MOVEBR Bluebonnet Blvd. (Perkins – Picardy), City of Baton Rouge/East Baton Rouge Parish, East Baton Rouge Parish, LA (19-CP-HC-0034).** *SUE Project Manager* for QL A, B, C, and D subsurface utility designating/ locating and surveys in support of SUE throughout the approximately 1.5 miles of the project corridor.
02/21 – 02/24	**IDIQ Contract for SUE Services, I-10, Task Orders 1, 2, 4, & 5, LADOTD, East Baton Rouge Parish, LA (4400014660).** *SUE Project Manager*. Directed QL B, C, D subsurface utility designating services and surveys in ***support of SUE for four task orders*** for several additional areas around the I-10 corridor in conjunction with the on-going design-build contract.
06/22 – 04/23	**I-20 Monkhouse to I-49, LADOTD, Caddo Parish, LA (4400017713).** *SUE Project Manager* for QL C & D subsurface utility services and surveys in ***support of SUE for interstate rehabilitation.***
08/21 – 08/21	**LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713).** *SUE Project Manager* for QL C & D subsurface utility services and surveys in support of SUE for bridge repair/ rehabilitation.
12/20 – 03/21	**LA 6: Youngs Bayou Bridge Rehab, LADOTD, Natchitoches Parish, LA (4400017713 & H.013821.5).** *SUE Project Manager* assisted in the review of survey and utility data for topographic surveying services for bridge rehabilitation.
04/18 – 12/20	**Walter O. Bigby Carriageway (N. Pkwy Ext.), City of Bossier, Bossier Parish, LA (City Proj. No. 8-15).** *SUE Project Manager* for QL A, B, C, and D subsurface utility designating/locating services in support of surveys and right-of-way mapping for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
07/19 – 02/20	**I-10: Loyola Interchange, LADOTD, Kenner, Jefferson Parish, LA (H.011670).** *SUE Project Manager* for QL B, C, and D subsurface utility designating services and surveys in support of SUE for approximately 5 miles.
12/18 – 01/20	**LA 951: Roadway Washout Repairs, LADOTD, East Feliciana Parish, LA (H.013643).** *SUE Project Manager* for QL A, B, C, and D subsurface utility designating/locating and surveys ***in support of SUE for approximately 2,600 feet of roadway***.
12/18 – 03/19	**West End Subdivision, Phase B125, City of New Orleans, New Orleans, LA (Agency Proj. No. Unknown).** *SUE Project Manager* for QL B, C, and D subsurface utility designating along with surveys in support of SUE for preliminary and final design services for FEMA-eligible street repairs.
06/18 – 10/18	**I-10: Williams Blvd. to Veterans Blvd., LADOTD, Jefferson Parish, LA (H.003074.5 & H.009087.5).** *SUE Project Manager* for QL B, C, and D subsurface utility designating and surveys in support of SUE for approximately 2 miles for interstate rehabilitation.

Firm employed by.	NTBA		
Name	**Emily Kliewer, EI**	Years of relevant experience with this employer	1
Title	Engineering Intern	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2025 / Civil Engineering, Purdue University Fort Wayne	
Active registration number / state / expiration date		E.I. 32500282 / IN / Exp. 11/2026	
Year registered	2025	Discipline	Engineer Intern
Contract role(s) / brief description of responsibilities		**Subsurface Utility Engineering and Utility Relocation**	

Ms. Emily Kliewer, EI will serve as NTBA SUE Assistant Project Manager during this contract. She will support Amy by assisting with the coordination, documentation, and oversight of subsurface utility designating and locating activities to verify all SUE tasks are completed accurately and efficiently.

Experience dates	Experience and qualifications relevant to the proposed contract
12/25 – 05/26	**LADOTD/BPPJ Cong Relief Winfield Road (2025-118/H.003855.5).** *SUE Assistant Project Manager.* Assisting with the management of QL B, C, and D subsurface utility investigations including record reviews, surface feature surveys, underground utility designating, utility base-map development, and utility-owner coordination in support of roadway design.
11/25 – 05/26	**Upper Ward Creek Clearing & Snagging Project, City of Baton Rouge/ East Baton Rouge Parish, East Baton Rouge Parish, LA (25-DR-US-0013).** *SUE Assistant Project Manager.* Assisting with the management of QL C, B, and D surface utility designating, utility coordination services, and surveys in support of SUE for flood reduction and associated channel-improvement work.
08/25 – 05/26	**I-20: Sam R. Fert Dr. to Red River Bridge, LADOTD, Caddo Parish, LA (H.016413.5).** *SUE Assistant Project Manager.* Assisting with the management of surveys in support of SUE and 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, LADOTD, Caddo Parish, LA (H.015724).** *SUE Assistant Project Manager.* Assisting with the management of surveys in support of SUE, QL B, C, & D utility designating, and utility coordination services in support of rehabilitation and design for roadway reconstruction.
06/23 – 08/24 08/24 – 05/26	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779*).*** *SUE Assistant Project Manager.* Assisting with the management of surveys in support of SUE, 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.
06/23 – 08/24	**LA 73 to LA 30 Roundabout, Ascension Parish Government, Ascension Parish, LA (MA-23-08).** *SUE Assistant Project Manager-in-Training.* Supported the completion of QL B, C, and D subsurface utility designating services, and surveys in support of SUE for the intersection improvements for the design of a new roundabout as a subconsultant to GEC, Inc.
06/24 – 08/24	**Carroll Road Survey & SUE, St. Tammany Parish Government, St. Tammany Parish, LA (42200856).** *SUE Assistant Project Manager-in-Training.* Supported the completion of QL B, C, and D utility designating services and surveys in support of SUE throughout the approximately 1.5 miles of the project corridor for roadway improvements.

Firm employed by. NTBA			
Name	**Daniel Brooks**	Years of relevant experience with this employer	1
Title	SUE Coordinator	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		1994/ Electrical Technology, ITI Technical College	
Active registration number / state / expiration date		Staking University ATSSA Flagger	
Year registered	2021	Discipline	Certificate of Locating Competency
Contract role(s) / brief description of responsibilities		**Subsurface Utility Engineering and Utility Relocation**	

Mr. Daniel Brooks will serve as NTBA SUE Coordinator during this contract. He will supervise and manage field operations and process data for subsurface utility designating/ locating. Daniel is also experienced in meeting with utility companies to discuss known conflicts of existing utility facilities and coordinating the resolution.

Experience dates	Experience and qualifications relevant to the proposed contract
12/25 – 05/26	**LaDOTD/BPPJ Cong Relief Winfield Road (2025-118/H.003855.5).** *SUE Coordinator*. Assisting with designating and survey crews, performing QA/QC on field work, and reviewing data collected from field crews for QL B, C, and D subsurface utility investigations including record reviews, surface feature surveys, underground utility designating, utility base-map development, and utility-owner coordination in support of roadway design.
11/25 – 05/26	**Upper Ward Creek Clearing & Snagging Project, City of Baton Rouge/ East Baton Rouge Parish, East Baton Rouge Parish, LA (25-DR-US-0013).** *SUE Coordinator*. Assisting with designating and survey crews, performing QA/QC on field work, and reviewing data collected from field crews for QL C, B, and D surface utility designating, utility coordination services, and surveys in support of SUE for flood reduction and associated channel-improvement work.
08/25 – 05/26	**I-20: Sam R. Fert Dr. to Red River Bridge, LADOTD, Caddo Parish, LA (H.016413.5).** *SUE Coordinator*. Assisting with the designating and survey crews, performing QA/QC on field work, and reviewing data collected from field crews for QL C & D subsurface utility services and surveys in support of SUE 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, LADOTD, Caddo Parish, LA (H.015724).** *SUE Coordinator*. Assisting with the designating and survey crews, performing QA/QC on field work, and reviewing data collected from field crews for QL B, C, & D utility designating, utility coordination services, and surveys in support of SUE in support of rehabilitation and design for roadway reconstruction.
02/25 – 05/26	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779)** *SUE Coordinator.* Assisting with designating and survey crews, performing QA/QC on field work, and reviewing data collected from field crews for QL A, B, C, & D utility designating/locating, and utility coordination services, and surveys in support of SUE for the design-build project.

02/25 – 05/26	**Delta Utilities/ CenterPoint Energy Bossier HP Phase 2 SUE Services, Bossier Parish, LA (114411705A).** *SUE Coordinator*. Assisting with QL B, C, & D subsurface utility designating services, performing QA/QC on field work, and reviewing data collected from field crews for QL B subsurface utility designating services and surveys in support of SUE as part of a construction project.
02/25 – 05/25	**LaDOTD Box Culvert Initiatives, Task Orders 2-4, Bienville & St. Landry Parish, LA (4400021975 – H.016235, H.016327, H.010794).** *SUE Coordinator*. Supervising the designating field crew and performing QL D subsurface utility record research based on existing records to identify potential utility relocations in support of topographic surveys for the preliminary designs of box culvert initiative tasks.
02/25 – 04/25	**Baton Rouge North Airpark Utility Corridor Phase 2, Baton Rouge, LA (Unknown).** *SUE Coordinator*. Supervised QL B, C, & D subsurface utility designating collecting all records, reviewing submittals, and QA/QC all field data for SUE and surveying services at the Baton Rouge Metropolitan Airport. Surveys were performed to locate subsurface utilities within the designated limits. As part of Q LB designating, 4-way sweeps of the area were also performed to confirm that no other utilities exist within the project area.

Firm employed by. NTBA			
Name	**Dori Hull**	Years of relevant experience with this employer	5.5
Title	CADD Drafter	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		CAD Conform, Inroads, and Civil 3D Software Applications	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Subsurface Utility Engineering and Utility Relocation**	

Ms. Dori Hull will serve as NTBA CADD Drafter during this contract. She will produce accurate MicroStation drawings that integrate SUE designating results, survey data, and utility records into clear existing-conditions base maps. Dori will also convert field markings and geophysical findings into precise layouts that help the engineering team identify utility conflicts and advance design.

Experience dates	Experience and qualifications relevant to the proposed contract
12/25 – 05/26	**LaDOTD/BPPJ Cong Relief Winfield Road, (2025-118/H.003855.5).** *CADD Drafter*. Processing data, performing calculations, and drafting files for QL B, C, and D subsurface utility investigations including record reviews, surface feature surveys, underground utility designating, utility base-map development, and utility-owner coordination in support of roadway design.
11/25 – 05/26	**Kings Hwy: Healthcare & Development Corridor, LaDOTD, Caddo Parish, LA (H.015724).** *CADD Drafter*. Processing data, performing calculations, and drafting files for QL B, C, & D utility designating and surveys in support of SUE for rehabilitation and design for roadway reconstruction.
11/25 – 05/26	**City of Baton Rouge/ East Baton Rouge Parish, Upper Ward Creek Clearing & Snagging Project, East Baton Rouge Parish, LA (25-DR-US-0013).** *CADD Drafter*. processing data, performing calculations, and drafting files for QL C, B, and D surface utility designating, and surveys in support of SUE for flood reduction and associated channel-improvement work.
11/25 – 05/26	**ATMOS Surveying & SUE Services, LA (Various Task Proj. Nos.).** *CADD Drafter*. Processing data, performing calculations, and drafting files for topographic surveys, QL C & D subsurface utility services, and surveys in support of SUE for the design, permitting, and construction of infrastructure projects.
07/12 – 01/14	**I-10 Loyola Ave. to Williams Blvd., LADOTD, Jefferson Parish, LA (H.003074.5 & H.009087.5).** *CADD Drafter*. Processed data, performed calculations, and drafted files for topographic surveys and surveys in support of QL A, B, C, and D subsurface utility designating/locating for the preparation of preliminary and final roadway and bridge design plans.
02/14 – 02/14	**Earhart Expressway Extension to US 61, Route LA 3139, LADOTD, Jefferson Parish, LA (H.004367.5).** *CADD Drafter*. Processed data, performed calculations, and drafted files for topographic surveys and surveys in support of QL A, B, C, and D subsurface utility designating/ locating for roadway rehabilitation.
07/12 – 06/13	**I-10 Williams Blvd. to Veterans Blvd., LADOTD, Jefferson Parish, LA (H.003074.5 & H.009087.5).** *CADD Drafter*. Processed data, performed calculations, and drafted files for topographic surveys and surveys in support of QL A, B, C, and D subsurface utility designating/ locating for the preparation of preliminary and final roadway and bridge design plans.

Firm employed by. NTBA			
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).** *Survey Party Chief*. 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).** *Survey/SUE Party Chief*. 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).** *Survey/SUE Party Chief*. 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.).** *Survey/SUE Party Chief*. 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).** *Survey/SUE Party Chief*. 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).** *Survey/SUE Party Chief*. 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 BKI.
05/21 – 08/23	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *Survey/SUE Party Chief*. 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).** *Survey/ SUE Party Chief*. 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.

Firm employed by. NTBA			
Name	**Captayn Chapman**	Years of relevant experience with this employer	12
Title	Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		High School Diploma, 2006 / U.T.A. Certified Professional Utility Locator 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; Subsurface Utility Engineering and Utility Relocation**	

Mr. Captayn Chapman will serve as an NTBA Survey/ SUE Party Chief during this contract. He will lead a field crew and download data for survey & 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).** *Survey Party Chief*. 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.
08/25 – 05/26	**I-20: Sam R. Fert Dr. to Red River Bridge, LADOTD, Caddo Parish, LA (H.016413.5).** *Survey/SUE Party Chief*. 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 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.
01/23 – 05/26	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779).** *Survey/SUE Party Chief.* 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.
04/21 – 05/26	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *Survey/SUE Party Chief*. 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, 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.
07/23 – 05/26	**IIJA Off-System Bridge Program, LADOTD, District 62 (4400025041).** *Survey Party Chief*. Running a field crew and downloading data for Static GPS control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.

12/17 – 11/24	**I-10: LA 415 to Essen Lane on I-10 and I-12, LADOTD, West & East Baton Rouge Parishes, LA (H.004100.5).** *Survey/SUE Party Chief*. Ran a field crew for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles.
08/21 – 02/22	**LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713*).*** *Survey/ SUE Party Chief*. 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.

Firm employed by. NTBA			
Name	**Jeremy Reppond**	Years of relevant experience with this employer	9
Title	Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		High School Diploma / 2011 FAA UAS Remote Pilot – Certificate No. 4282637 / TWIC, 2026	
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**	

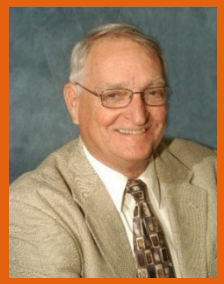
Mr. Jeremy Reppond will serve as NTBA Survey/ SUE Party Chief during this contract. He will lead a field crew and download data for survey & SUE services.

Experience dates	Experience and qualifications relevant to the proposed contract
04/26 – 05/26	**LA 1 Caddo Lake Bridge to Donna Annette Road, LaDOTD, Caddo Parish, LA (H.016365*).*** *Survey Party Chief.* Running a field crew and downloading data for a topographic survey to collect roadway, drainage, utilities, structures, traffic features, and superelevation control data in support of roadway/ bridge design and safety improvements as a sub to Halff.
08/22 – 05/26	**Delta Utilities/ CenterPoint Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.).** *Survey Party Chief*. Running a field crew and downloading data for topographic surveys, property surveys, and surveys in ***support of SUE*** 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 – 10/24	**Jimmie Davis Bridge (LA 511) Design-Build, LADOTD, Bossier & Caddo Parishes, LA (H.001779).** *Survey Party Chief*. Ran a field crew and downloaded data for Static GPS Control surveys, topographic surveys, property surveys, and surveys in support of QL A, B, C, & D utility designating/ locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.
09/21 – 08/24	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 05, 08, & 58 (4400019337).** *Survey Party Chief*. Ran a field crew and downloaded data for Static GPS Control surveys, topographic surveys, 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.
04/22 – 04/23	**I-20 Monkhouse to I-49, LADOTD, Caddo Parish, LA (4400017713).** *Survey Party Chief*. Ran a field crew and downloaded data for Static GPS Control, topographic surveys, and surveys in support QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
05/21 – 05/21	**Rural Bridge Replacement Initiative Phase II, LADOTD, Districts 02, 03, 07, 61, & 62 (4400019338).** *Survey Party Chief*. Running a field crew and downloading data for Static GPS Control surveys, topographic surveys, 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.
10/21 – 02/22	**LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), LADOTD, Orleans Parish, LA (4400017713).** *Instrument Man*. Performed on a field crew for topographic surveys, multibeam hydrographic survey, and surveys in support of QL C & D subsurface utility services for bridge repair/ rehabilitation.
12/20 – 02/21	**LA 6: Youngs Bayou Bridge Rehab, LADOTD, Natchitoches Parish, LA (4400017713 & H.013821.5).** *Instrument Man.* Performed on a field crew for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
05/19 – 07/19	**US 167, LA 2: Middle Slough & Creek Bridges, LADOTD, Union Parish, LA (4400009385 & H. 012037.5).** Instrument Man. Performed on a field crew for topographic surveying services for bridge rehabilitation/design for two separate bridge site locations.

GEOTECHNICAL ENGINEERS

Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Ross McGillivray, PE**	Years of relevant experience with this employer	29
Title	Principal Engineer	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization		MS / 1968 / Civil Engineering (Soil Mechanics) B.C.E. / 1966 / Civil Engineering	
Active registration number / state / expiration date		17920 / FL / 02-28-2027	
Year registered	1998	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	



Mr. McGillivray, a principal engineer at Ardaman's Tampa office, provides technical review and consultation on multiple types of foundations including building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, groundwater hydrology, and sinkhole evaluation and remediation. He has supported projects across Ardaman's Florida, Baton Rouge, and New Orleans offices, including multiple LADOTD projects. From 1968 to 1970, he managed MIT's soil mechanics lab and researched soil and industrial waste behavior. At Lambe & Associates, he worked on soil stability and anchor capacity for Caracas's Parque Central retaining wall and helped develop a permafrost and soil mechanics lab in Anchorage. In 1975, he founded ARMAC Engineers, focusing on foundations, sinkhole remediation, mine slope stability, and earthen dams. He joined Ardaman in 1996 as a Senior Engineer, contributing to mining and foundation projects.

Experience dates	Experience and qualifications relevant to the proposed contract
07/23 – Ongoing	**SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA.** *Principal Engineer.* The project consisted of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. McGillivray reviewed all design aspects of this project including caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.
07/21 – Ongoing	**SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA.** *Project Engineer.* The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. McGillivray reviewed all design aspects of this project including pile and drilled shaft foundations, detailed soil structure interactions with existing bridges, bi-directional O-cell tests oversight, review, and redesign, and reporting.
09/20 – 12/25	**SP NO. H.013897 / COLLEGE DR FLYOVER RAMP I-10 / I-12: Baton Rouge Parish, LA.** *Principal Engineer.* Mr. McGillivray assisted with review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the construction of a flyover ramp on I-10

02/20 – Ongoing	**SP NO. H.004791 / DESIGN SUPPORT SERVICES LA 23 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemine Parish, LA.** *Principal Engineer.* Mr. McGillivray assisted with review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel
10/18 – 11/21	**SP NO. H.003370 / I-220/I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA**. *Principal Engineer.* This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. McGillivray helped review and perform analyses of the drilled shaft bi-directional O-cell tests.
11/15 – Ongoing	**SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE II ROUTE US 90-Z: Jefferson Parish, LA.** *Principal Engineer.* Mr. McGillivray reviewed and evaluated the capacity of tip-grouted Drilled Shafts utilizing Cone Penetrometer Test (CPT) sounding data for Phase II of the MacArthur Interchange consisting of construction ramps entering and exiting Westbank Expressway.
06/09 – 02/10	**SR 686 OVERPASS BRIDGE: St. Petersburg, FL.** *Principal Engineer.* The SR 686 Overpass Bridge, 1,500 feet long, crosses a solid waste landfill lined with a slurry wall and in-situ clay. The original foundation design used 24-inch prestressed concrete piles inside 36-inch steel casings, grouted in place. Mr. McGillivray evaluated alternatives and proposed non-redundant drilled shafts to minimize penetrations of the clay liner. The final design included 36-, 48-, and 60-inch drilled shafts. Two Osterberg Cell load tests with 2-inch Styrofoam toes measured skin friction above and below the cell. Ardaman conducted pilot borings and inspected all drilled shaft installations.
05/05 – 11/05	**I-10 BRIDGES OVER ESCAMBIA BAY: Pensacola, FL.** *Principal Engineer.* The I-10 bridge over Escambia Bay, damaged by Hurricane Ivan in 2004, consisted of two 2.6-mile, three-lane bridges with 103 spans each. Mr. McGillivray, PE, served as Lead Geotechnical Engineer for the replacement foundation design. This was Florida's first use of 36-inch voided prestressed concrete piles since 1972. Driving criteria were set for two pile hammers with 150 kip-ft energy but differing ram weights (30 and 60 kips). Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Vertical and lateral load tests correlated well with static capacity and PDA/CAPWAP analyses, with lateral load results requiring soil strengths from Cone Penetrometer Tests for accurate modeling.
09/01 – 11/01	**SP NO. 450-10-0113 & 454-01-0064 / I-10/12 SOUND WALLS, WALL 6-DESIGN LATERAL LOAD TEST ON DRILLED SHAFTS / SOUND WALL SHAFT CLS EVALUATION: Baton Rouge, LA.** *Principal Engineer.* Mr. McGillivray performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr. McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.

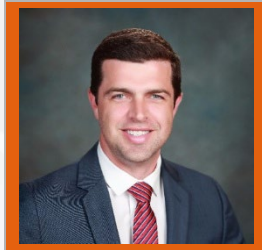
Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Robert Rousset, PE**	Years of relevant experience with this employer	20
Title	Vice President / Regional Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		38637 / LA / Exp. 09/30/2026	
Year registered	2014	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

Mr. Rousset serves as the Regional Manager of Ardaman's New Orleans office and has over 20 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Rousset has extensive experience in construction phase testing and oversight including dynamic and static testing.

Experience dates	Experience and qualifications relevant to the proposed contract
05/21-Ongoing	**RURAL BRIDGE REPLACEMENT INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA.** *Project Engineer.* The Rural Bridges project initiative consists of replacing many older bridges throughout the State of Louisiana. The scope of the proposed bridge replacement project involves demolishing and replacing the existing bridges. Ardaman performed ***geotechnical analyses to support foundation designs*** provided in a report based on the AASHTO LRFD Bridge Design Specifications, the LADOTD Bridge Design Technical Memoranda, and the Louisiana Standard Specifications for Roads and Bridges (LSSRB).
08/20-Ongoing	**RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, LA.** *Project Engineer.* This project consists of the replacement of multiple small rural bridges throughout Central and North Louisiana. Mr. Rousset oversaw the field investigation, ***laboratory testing program, and engineering analyses*** for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses, and reporting in accordance with LADOTD guidelines.
03/19-07/20	**SP NO. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA.** *Project Engineer.* The project consists of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. Mr. Rousset helped ***oversee the geotechnical fieldwork*** portion of this project which included 58 deep borings and 11 cone penetrometer (CPT) soundings.
07/16-Ongoing	**SP NO. H.011152 / I-12 WIDENING (US 190 TO LA 59): St. Tammany Parish, LA.** *Project Manager*. Mr. Rousset managed this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a ***geotechnical investigation which included 23 deep soil borings,*** sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. The field investigation, ***conducted in accordance with LADOTD specifications,*** included field reconnaissance including determining access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment

	to the site and mobilization between sites. Soil boring logs were created in LADOTD format. Engineering analyses for a retaining wall for one of the bridge abutments was conducted.
05/12-03/13	**SP NO. H.002260.5 / GOOSE BAYOU BRIDGE ROUTE LA 45: Lafitte, LA.** *Assistant Project Engineer.* Mr. Rousset managed the geotechnical field investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. He assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.
2015-Present	**HOUMA NAVIGATIONAL CANAL LOCK COMPLEX, Terrebonne Parish, LA.** P*roject Manager.* Mr. Rousset was project manager during the completed 15% design phase and currently during the ongoing 60% design phase and pile load test program. Mr. Rousset is managing the review of existing ***geotechnical data*** and implementation of a phased approach to conduct the field investigation to obtain additional subsurface data, while maintaining the aggressive project schedule. He is also overseeing laboratory testing conducted on the soil borings obtained during the field investigation, the geotechnical engineering analyses, development of conclusions and recommendations, and final report preparation.
10/18-01/19	**SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA.** *Project Engineer*. Mr. Rousset assisted in planning and coordination of installation of automated settlement monitoring instrumentation. Also assisted in ***preliminary design and planning report for this Design Build project*** which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.
12/18-Ongoing	**MID-BARATARIA SEDIMENT DIVERSION CMAR: Plaquemines Parish, LA, BA-153.** *Project Manager*. Mr. Rousset serves in the role of ***Project Manager for this CMAR project*** that includes the construction of a new Sediment Diversion Structure located in Plaquemines Parish, Louisiana, along the west bank of the Mississippi River, just north of Ironton and south of the Phillips 66 Alliance Refinery, near Mississippi River Mile 61. Ardaman will ***work together with the selected CMAR contractor***, Archer Western – Alberici, to provide investigations, laboratory testing, instrumentation installations, and ***geotechnical engineering consulting services*** during design and construction phases of this project. The diversion structure will include an intake structure, a new Hwy. 23 bridge over the diversion, guide levee system, and outfall transition feature.
07/14-05/18	**SP NO. H.004113 / I-12 TO BUSH SEGMENT 3, LA HIGHWAY 3241 (LA 435 TO LA 40/LA 41): St. Tammany Parish, LA.** *Project Engineer.* Mr. Rousset oversaw and coordinated the ***geotechnical field investigation*** which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. He assisted in the geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.
03/11-02/12	**SP NO. H.003886.5 / I-49 SEGMENT J: Caddo Parish, LA.** *Assistant Project Engineer.* Mr. Rousset planned the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.
08/09-12/09	**CENTRAL THRUWAY: East Baton Rouge Parish, LA.** *Assistant Project Engineer.* Mr. Rousset performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.
07/09-08/11	**SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA.** *Assistant Project Engineer.* Mr. Rousset served in the field as on-site geotechnical engineer during construction for this project. He oversaw and conducted dynamic monitoring using the Pile Driving Analyzer (PDA), performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.

Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Robert Jewell, PE**	Years of relevant experience with this employer	19
Title	Project Engineer / Branch Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		38579 / LA / Exp. 09/30/2026 Traffic Control Supervisor / LA / 08-23-2028 DOTD Flagger / LA / 07-31-2029	
Year registered	2013	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

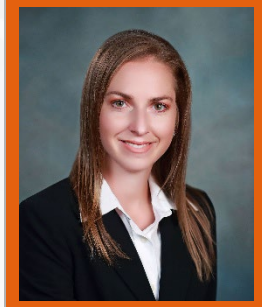


Mr. Jewell serves as the Branch Manager of our Baton Rouge office and has over 19 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation. In particular, he has over 15 years of experience performing, analyzing, and reporting for PDA testing.

Experience dates	Experience and qualifications relevant to the proposed contract
07/23 – Ongoing	**SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA.** *Project Manager.* The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. Jewell managed supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped oversee the preliminary engineering analyses which included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.
07/21 – Ongoing	**SP NO. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR): Baton Rouge Parish, LA.** *Project Manager.* The project consists of a Construction Management at Risk (CMAR) project. Mr. Jewell currently oversee all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. Jewell helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.
06/20 – 06/21	**NICHOLSON DRIVE (LA HWY 30) SEGMENT 1: East Baton Rouge Parish, LA.** *Project Engineer.* This project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Engineering analyses included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.
11/21 – Ongoing	**SP NO. H.012030 / US 371: KCS RAILROAD OVERPASSES HBI: Webster Parish, LA.** *Project Manager.* The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.

04/21 – Ongoing	**SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA.** *Project Manager.* The project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers, and creeks. Mr. Jewell oversees all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations.
10/18 – 11/21	**SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA.** *Project Manager.* This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell managed and oversaw the preparation of the preliminary design and planning report. Mr. Jewell also oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring. The PDA program consisted of monitoring PPC piles during initial drive and restrikes to allow for evaluation of setup and early acceptance of pile resistances.
10/15 – 10/21	**SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE: East Baton Rouge Parish, LA.** *Project Engineer*. This project consists of twin bridges with MSE wall abutments for both bridges crossing Interstate I-10, a bridge crossing Ward's Creek, and on/off-ramps in south Baton Rouge. Mr. Jewell helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards. Mr. Jewell is currently overseeing the construction phase which includes PDA monitoring, static load testing, and settlement monitoring.
07/15 – Ongoing	**SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA.** *Project Manager.* The project consists of construction of 5 miles of freeway consisting of a 3.5-mile elevated structure from I-10 to the Airport in Lafayette, LA. Mr. Jewell oversaw the completion of the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings, and laboratory testing program per LADOTD guidelines. Mr. Jewell oversaw the completion of the Geotechnical Data Report and assisted with technical reviews pertaining to selection of design reaches, geotechnical design of pile and drilled shaft foundations, drivability, slope stability, earth retaining structures, settlement analyses and construction testing program recommendations, including an advanced test pile program. He is currently overseeing development of the Phase 2 field and laboratory program for each segment.
04/14 – Ongoing	**SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA.** *Project Manager*. Mr. Jewell oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. He assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell oversaw the construction phase which included PDA testing and settlement monitoring.
10/09 – Ongoing	**SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS.** *Project Engineer*. Mr. Jewell assisted in several aspects of engineering for this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. This project consisted of a comprehensive laboratory testing program and refinement of the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. Mr. Jewell helped managed the field investigations and instrumentation programs, along with review of the field data and engineering reporting.

Firm employed by: Ardaman Geotechnical, Materials & Environmental Consultants			Meets MPR No. 9
Name	**Megan Bourgeois, PE**	Years of relevant experience with this employer	20
Title	Principal Engineer / Assistant Branch Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering Traffic Control Supervisor / LA / 6-21-2028 DOTD Flagger / LA / 8-14-2028 Certified NHI Drilled Shaft Inspector	
Active registration number / state / expiration date		0036725 / LA / 03-31-2028	
Year registered	2011	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	



Ms. Bourgeois has more than 20 years of experience with design and analyses of countless types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. She also has extensive experience with geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has served as Ardaman's project manager for many LADOTD projects for bridges and roadways throughout Louisiana and completed numerous geotechnical investigations, engineering, and reporting in accordance with LADOTD standards. She has successfully overseen several major contracts for LADOTD and other clients. Ms. Bourgeois also serves as the director of our geotechnical engineering and CMT laboratories in Baton Rouge and has overseen the laboratory testing programs in accordance with LADOTD standards. In this role, she supervises the laboratory managers, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.

Experience dates	Experience and qualifications relevant to the proposed contract
07/23 – Ongoing	**MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR**: **West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA.** *Project Engineer.* The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Ms. Bourgeois ***helped oversee supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database*** to compile all the soil borings and ECPT. The preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations.
10/09 – Ongoing	**I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS.** *Project Manager*. Ms. Bourgeois ***manages this multi-million-dollar, highly technical project*** consisting of investigating movement of the I-20 Bridge in Vicksburg, MS. She managed a highly technical team including academia, experts, including ***internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts***. She managed and personally oversaw a comprehensive

	laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction, x-ray scanning to identify existing shearing planes and stress-reversal direct shear tests to determine true residual angles of critical strata. She was ***instrumental in designing the geotechnical instrumentation program for this project*** including vibrating wire piezometers, Casagrande type piezometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures including design and evaluation of large foundation structures and developed technically feasible solutions to mitigate ground movement. She co-authored the geotechnical analysis and design report. She is currently overseeing the comprehensive monitoring program.
07/21 – 01/22	**I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA.** *Project Manager.* Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 geophysical survey transects. A majority of the soil borings were completed from a barge over deep water, some from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program and processing and analyzing of the ECPT and ER data. She also assisted with ***development of a geotechnical database*** and preparation and submittal of a geotechnical data report. This project consisted of obtaining geotechnical data under a strict deadline to be used in the design of a replacement of the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.
04/21 – Ongoing	**RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA.** *Project Engineer.* This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, over various size rivers and creeks. Ms. Bourgeois leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.
02/20 – Ongoing	**DESIGN SUPPORT SERVICES LA 23, BELLE CHASSE BRIDGE & TUNNEL: Plaquemine Parish, LA.** *Project Engineer/Laboratory Director.* Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well as quality control and review of all acceptance verification sampling and testing during construction.
07/15 – Ongoing	**I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA.** *Project Engineer.* Assisting the Program Manager in overseeing the ***geotechnical investigation*** and design of the 5 miles of freeway consisting of a 3.5-mile elevated structures that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced pile load test programs, and earth retaining structures. Overseeing laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. Ms. Bourgeois is the project lead to develop the Geotechnical Investigation and Design Report.

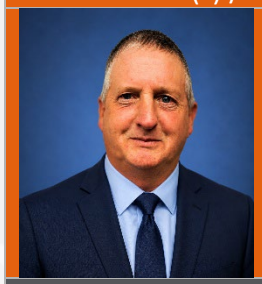
Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Jarmon King, PE**	Years of relevant experience with this employer	7
Title	Project Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2019 /Civil Engineering Traffic Control Supervisor / LA / 11-08-2027 DOTD Flagger / LA / 05-29-2028	
Active registration number / state / expiration date		49179 / LA / 03-31-2027	
Year registered	2024	Discipline	Civil
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. King serves as a project engineer of Ardaman in the Baton Rouge office with over 8 years of experience. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding design and analyses of multiple types of foundations including shallow, embankment settlement analysis, deep foundations (pile and drilled shafts), LRFD design, FHWA & GEC design, slope stability (embankment and excavation) and earth retaining structures. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during the construction phase of projects.
07/23 – Ongoing	**SP NO. H.013284 / MRB SOUTH GBRL: LA 1 TO LA 30 CONNECTOR: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA.** *Project Engineer.* The project consists of an Enhanced Planning investigation into S.P. No. H.013284, MRB South GBR: LA 1 to LA 30 Connector, with the objective of constructing a new Mississippi River crossing located between the I-10 and LA 70 River crossings from three proposed alignments. Mr. King helped oversee the field program, development of the laboratory testing program, development of an interactive geotechnical database to compile all the soil borings and ECPT. He helped perform the preliminary engineering analyses included caisson design, driven piles, drilled shafts, embankments, proposed alignment comparisons, environmental concerns, and testing program recommendations. Mr. King assisted in preparation of the Data and Design reports for this project.
07/21 – Ongoing	**SP NO. H.004100.5 / I-10: LA 415 to Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA.** *Project Engineer*. The project consists of a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles. Mr. King co-manages and oversees the engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. Mr. King helped develop the Geotechnical Data reports, memorandums, and Design reports for this project.
04/21 – Ongoing	**Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, and St. Bernard Parishes, LA.** *Assistant Project Engineer.* This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Mr. King assisted in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses, construction testing program recommendations, and report preparation in accordance with LADOTD guidelines.

11/21 – Ongoing	**SP NO. H.012030 / US 371: KCS Railroad Overpasses HBI: Webster Parish, LA.** *Assistant Project Engineer.* The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.
07/21 – 01/22	**SP NO. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA.** *Assistant Project Engineer.* Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to various other interchanges.
06/20 – 06/21	**SP NO. H.002825 / Nicholson Drive (LA HWY 30) Segment 1: East Baton Rouge Parish, LA.** *Assistant Project Engineer*. This project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Mr. King oversaw the field investigation and engineering analyses which included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.
10/18 – 06/21	**SP NO. H.000263 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA.** *Assistant Project Engineer*. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report.
10/18 – 11/21	**SP NO. H.003370 / I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA.** *Assistant Project Engineer*. This was a Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King assisted with the construction monitoring aspect of the project which included PDA testing and CAPWAP analyses.
03/19 – 07/20	**SP NO. H.004100.5-2 / I-10 Widening (LA415 TO HOWARD ST): East Baton Rouge Parish, LA.** Assistant *Project Engineer.* Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report.
03/25 – Ongoing	**SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / Culvert Replacements: Rapides, Richland, Vernon, Winn, Evangeline, Jackson, and St. Landry Parishes, LA.** *Project Engineer.* The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet, associated laboratory testing, and reporting for new box culvert structures. Mr. King helped produced soil boring logs and CPT soundings in LADOTD format and developed the data reports.
09/22 – 12/25	**Evangeline Road & Cn Railroad Culvert: St. Charles Parish, LA.** *Project Manager.* Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
07/23 – Ongoing	**SP NO. H.012030 / US 371: KCS Railroad Overpasses HBI: Webster Parish, LA.** *Project Manager.* The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.

Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants

Name	**Casey Floyd**	Years of relevant experience with this employer	5
Title	Drilling Supervisor	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	



Mr. Floyd has over 30 years of experience drilling in the Louisiana Gulf Coast Region including performing soil borings (on land and over water), CPT soundings, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Mr. Floyd has planned and supervised many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) and traffic control/crew safety, and coordinating between engineering staff and drill crew. He has also successfully completed a multitude of LADOTD projects consisting of shallow borings and deep soil borings to depths of approximately 300 feet.

Experience dates	Experience and qualifications relevant to the proposed contract
03/25 – Ongoing	**SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / Culvert Replacements: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA.** *Drilling Supervisor.* The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet. Mr. Floyd oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance at each location and coordinated the access along with traffic control.
08/24 – Ongoing	**SP NOs. H.015568.5, H.015569 / LA 44 Roundabouts & Widening: Ascension Parish, LA.** *Drilling Supervisor.* Mr. Floyd oversaw the field investigation program consisting of 10 deep and 14 shallow soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.
07/23 – Ongoing	**SP NOs. H.015489, H.015490, H.015491, H.015492 / IIJA: Off-System Bridges: Allen, Beauregard, and Calcasieu Parishes, LA.** *Drilling Supervisor.* Mr. Floyd oversaw the field investigation program consisting of 10 deep soil borings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.
03/22 – 01/25	**SP NO. H.002244.5 / Boudreaux Canal Bridge Replacement: Terrebonne Parish, LA.** *Drilling Supervisor*. The project consisted of replacement of the existing LA 56: Boudreaux Canal Bridge with a new bridge just west of the center line of the existing bridge. Mr. Floyd oversaw the field investigation program consisting of 8 deep soil borings and 4 CPT soundings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring. Mr. Floyd oversaw the completion of one of the soil borings that was performed on a barge.
07/21 – 01/22	**SP NO. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA.** *Drilling Crew Chief.* Mr. Floyd helped manage and oversee all aspects of an extensive field investigations program which included 37 deep soil borings and 39 CPT soundings in

	accordance with LADOTD guidelines. Most of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.
04/21 – Ongoing	**SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA.** *Drilling Crew Chief*. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks. Mr. Floyd oversaw all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations.
03/19 – 07/20	**SP NO. H.004100.5-2 / I-10 Widening (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA.** *Drilling Crew Chief.* Mr. Floyd helped oversee the field investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings in accordance with LADOTD guidelines, and electrical resistivity imaging along the entire alignment for the widening of I-10 project. He performed site reconnaissance at each location and coordinated the access along with traffic control.
10/18 – 06/21	**SP NO. H.000263.5-1 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA**. *Drilling Crew Chief*. Mr. Floyd helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings in accordance with LADOTD guidelines, including borings over 200 feet in over 80 feet deep of high flow water.
07/15 – Ongoing	**SP NO. H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange): Lafayette Parish, LA.** *Drilling Supervisor.* The project consists of construction of 5 miles of freeway consisting of a 3.5-mile elevated structure from I-10 to the Airport in Lafayette, LA. Mr. Floyd managed and oversaw the completion of the Phase 2 Kaliste-Saloom Interchange field investigation program which included 26 deep soil borings and 10 CPT soundings in accordance with LADOTD guidelines. He performed site reconnaissance, coordinated the access along with traffic control and pavement coring.
10/09 – Ongoing	**SP NO. H.004646.5 / I-20 Mississippi River Bridge Review: Vicksburg, MS.** *Drilling Supervisor*. Mr. Floyd has performed and supervised all aspects of field operations associated with this multi-million-dollar, high technical needs project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. Ardaman managed a comprehensive laboratory testing program and refined a geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. To allow for this advanced testing program, it was imperative to obtain high quality undisturbed soil samples in difficult drilling conditions. Mr. Floyd was instrumental in completing these tasks as well as installing all types of instrumentation to maintain a highly extensive automated monitoring program at the site including vibrating wire piezometers, SAA inclinometers and traditional inclinometers.

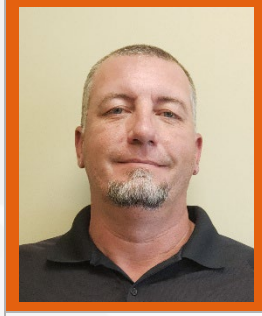
Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Jessica N. Litt**	Years of relevant experience with this employer	12
Title	Laboratory Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		B.S. / 2010 / Biology	
Active registration number / state / expiration date		NICET / Generalist, Laboratory No. 141243 / 10-01-2027	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

Ms. Litt serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She supervises and manages operations of our AMRL Certified, DEQ Accredited, and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises five laboratory technicians. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size Analysis, Gradation Testing, Organic Content, Hydrometer Analysis, Moisture Content, Consolidation Testing, Hydraulic Conductivity, pH, Resistivity, Strength Testing (Unconfined, Unconsolidated-Undrained Triaxial, Consolidated-Undrained Triaxial), Direct Shear, Specific Gravity, and Permeability of Granular Soils.

Experience dates	Experience and qualifications relevant to the proposed contract
03/25 – Ongoing	**SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / Culvert Replacements: Evangeline, Jackson, Rapides, Richland, St. Landry, Vernon, and Winn Parishes, LA.** *Laboratory Manager. Oversaw the completion of* a comprehensive laboratory testing program for 100 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis, Hydrometer, Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.
08/24 – Ongoing	**SP NOs. H.015568.5, H.015569 / LA 44 Roundabouts & Widening: Ascension Parish, LA.** *Laboratory Manager.* Oversaw the completion of a comprehensive laboratory testing program for 10 deep and 14 shallow soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.
07/23 – Ongoing	**SP NO. H.013284 / MRB South GBR LA 1 TO LA 30 Connector: West Baton Rouge, Iberville, Ascension, and East Baton Rouge Parishes, LA**. *Laboratory Manager.* Oversaw the completion of a comprehensive laboratory testing program for 18 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt reviewed the consolidation test results and entered the laboratory test results into gINT in order to produce the LADOTD soil boring logs.
07/23 – Ongoing	**SP NOs. H.015489, H.015490, H.015491, H.015492 / IIJA: Off-System BridgES: Allen, Beauregard, and Calcasieu Parishes, LA.** *Laboratory Manager.* Oversaw the completion of a comprehensive laboratory testing program for 10 deep soil borings that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Particle Size

	Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests in accordance with LADOTD guidelines. Ms. Litt entered the laboratory test results into gINT to produce the LADOTD soil boring logs.
11/21 – Ongoing	**SP NO. H.012030 / US 371: KCS Railroad Overpasses HBI: Webster Parish, LA.** *Laboratory Manager.* The project consists of construction of three bridges for US 371 KC Railroad overpasses that replaced two parallel bridges and one standalone bridge. Ardaman performed the geotechnical investigation and engineering analysis for drilled shafts and made advanced test shaft recommendations.
10/18 – 06/21	**SP NO. H.000263.5-1 / Chef Menteur Pass Bridge And Approach: Orleans Parish, LA.** *Laboratory Technician*. Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
09/22 – 12/25	**Evangeline Road & CN Railroad Culvert: St. Charles Parish, LA.** *Laboratory Technician*. Ardaman completed subsurface exploration and geotechnical engineering evaluation. The project consists of the installation of two reinforced concrete box culverts (RCBCs) on the north and south sides of the CN Railroad as it crosses over Evangeline Road near Montz, Louisiana in St. Charles Parish. Ardaman performed the geotechnical fieldwork and engineering evaluation including recommendations for site preparation, shoring and bedding recommendations, and pavement design in a final report.
11/15 – 01/21	**SP NOs. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Macarthur Interchange Completion Phase 2, ROUTE US 90-Z: Jefferson Parish, LA.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
04/14 – 03/22	**SP NO. H.004435 / I-12 to Bush Segment 2, LA 3241: St. Tammany Parish, LA.** *Laboratory Technician.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.
04/14 – 05/18	**SP NO. H.004113 / I-12 to Bush Segment 3, LA HWY. 3241 (LA 435 TO LA 40 / 41): St. Tammany Parish, LA.** *Laboratory Technician* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.
10/09 – Ongoing	**SP NO. H.004646.5 / I-20 Mississippi River Bridge Review: Vicksburg, MS.** *Laboratory Manager.* Assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content, Visual Classification, Fines Content, Gradation Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Organic Content, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.

Firm employed by:	Ardaman Geotechnical, Materials & Environmental Consultants		
Name	**Chae Hrenyk**	Years of relevant experience with this employer	18
Title	Construction Materials Testing Manager	Years of relevant experience with other employer(s)	N/A
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		Certified NHI Drilled Shaft Inspector	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

Experience dates	Experience and qualifications relevant to the proposed contract
	**Mr. Hrenyk** is the Construction Materials Testing (CMT) Manager in the Baton Rouge office with 18 years of field and laboratory experience. He has performed construction materials testing, QA inspections, and pile monitoring, including PDA, pile logging, and vibration monitoring, as well as drilled shaft construction inspection. He is skilled in geotechnical instrumentation installation and monitoring, field resistivity imaging, and conducting field testing. Mr. Hrenyk trains and supervises all field technicians and serves as client coordinator, communicating field data to clients and engineers. He is certified in drilled shaft installation inspection and experienced with LADOTD project testing and data submission. Additionally, he manages CMT Laboratory certifications, equipment maintenance, technician training, documentation, and agency inspections under AMRL, CCRL, USACE, and LDEQ standards.
03/25-Ongoing	**SP NOs. H.016313.5, H.016314.5, H.016315.5, H.016316.5, H.016317.5, H.016318.5, H.016319.5, H.016320.5, H.016325.5 / Culvert Replacements: Rapides, Richland, Vernon, Winn, Evangeline, Jackson, St. Landry Parishes, LA**. *CMT Laboratory Manager*. The project consisted of geotechnical field investigations throughout Louisiana consisting of ten soil borings to depths ranging from 100 to 120 feet, associated laboratory testing, and reporting for new box culvert structures. Mr. Hrenyk assisted with overseeing the laboratory testing program in accordance with LADOTD guidelines.
03/24-Ongoing	**Facility Planning And Control/LSU New Science Complex: East Baton Rouge, LA.** *CMT Manager.* The project consists of the construction of a new science building at LSU. Mr. Hrenyk oversaw and managed all of Ardaman's scope of work which includes soil and concrete inspection and testing, rebar inspection, auger cast-in-place installation and load testing program, and overview of welding inspections.
07/21-01/22	**SP NO. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA.** *Senior Field Technician.* Ardaman's scope of work consisted of coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads. Mr. Hrenyk assisted in completing the ER surveys.
09/20-Ongoing	**SP NO. H.013897 / College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, LA.** *CMT Laboratory Manager.* Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the construction of a flyover ramp on I-10. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Mr. Hrenyk assisted in review of all acceptance

	verification sampling and testing during construction and oversaw the input of the data results into LIMS as required by LADOTD.
10/18-06/21	**SP NO. H.000263 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA.** *Senior Field Technician.* Ardaman's scope of work for this project consisted of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep flow water, a laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, an electrical resistivity (ER) geophysical survey transects testing program, and a data report. Mr. Hrenyk assisted with completion of the ER surveys.
10/18-11/21	**SP NO. H.003370 / I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access ROAD: Bossier Parish, LA.** *Construction Monitoring Inspector.* Mr. Hrenyk helped oversee the installation of driven piles, drilled shafts and helped perform PDA testing and static load tests. He oversaw large diameter drilled shaft installation and bi-directional O-cell testing.
06/18-Ongoing	**SP NO. H.004791 / Design Support Services LA 23 Belle Chasse Bridge And Tunnel: Plaquemine Parish, LA.** *CMT Laboratory Manager.* Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's for the P3 Project consisting of replacing the Belle Chasse bridge and tunnel. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Mr. Hrenyk assisted in review of all acceptance verification sampling and testing during construction and oversaw the input of the data results into LIMS as required by LADOTD.
10/15-Ongoing	**SP NO. H.013579 / Pecue LaNE I-10 Interchange: East Baton Rouge Parish, LA.** *Construction Monitoring Inspector.* Assisted in performing PDA testing and pile logging for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge.
10/09-Ongoing	**SP NO. H.004646.5 / I-20 Mississippi River Bridge Review: Vicksburg, MS.** *Senior Field Technician*. Mr. Hrenyk assisted with many aspects of this multi-million-dollar, highly technical project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. Ardaman managed a comprehensive laboratory testing program and refined a geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. He was instrumental in designing and installing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. Currently, he is assisting with a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.
07/09-08/11	**SP NO. 700-29-0112 / LA-1- Phase 1: Lafourche Parish, LA.** *Construction Monitoring Inspector.* Served in the field as on-site technician during construction for this project in southeast Louisiana. He assisted the Engineer with PDA testing and pile logging.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946					Meets MPR No. 9
Name	Matthew K. Morales, P.E.		Years of relevant experience with this employer		17
Title	Senior Engineer		Years of relevant experience with other employer(s)		0
Degree(s) / Years / Specialization			Bachelor of Science / 2008 / Civil Engineering		
Active registration number / state / expiration date			PE.0038211 / Louisiana / 09-30-2027		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			**Geotechnical Engineering**		

Since joining Eustis Engineering L.L.C., Mr. Morales has supported geotechnical investigations by coordinating field personnel, preparing engineering reports, and performing analyses including soil bearing capacity, pile load capacity, settlement, and pavement design. As a licensed Professional Engineer, he has developed advanced expertise in lateral pile load analyses, anchored and cantilever sheet pile wall design using the U.S. Army Corps of Engineers' CWALSHT program, drag load evaluation, wick drain design, and slope stability analyses. He is proficient in industry-standard software including LPILE®, GROUP®, SLOPE/W, WEAP, CAPWAP®, and Settle3. Mr. Morales also has extensive field experience, including CPT interpretation, instrumentation monitoring, dynamic pile testing, and pile integrity evaluations. He holds advanced-level certification from Pile Dynamics and has completed dynamic pile testing on more than 100 projects across multiple states. His transportation experience includes LaDOTD and alternative delivery projects, most recently serving as project manager for major bridge and interchange projects in Louisiana.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/21 – Ongoing	**State of Louisiana, Department of Transportation and Development (LaDOTD), Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.04):** *Senior Engineer*. The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering L.L.C. obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. ***Geotechnical design analyses*** include vertical and lateral pile capacity with and without scour, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) driveability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Mr. Morales has been responsible for performing internal reviews of the engineering analyses, the geotechnical data report, and the geotechnical design report completed for this project. He is also leading the EDC efforts.
03/20 – 06/25	**State of Louisiana, Department of Transportation and Development (LaDOTD), I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646):** *Senior Engineer*. Services for this project included a subsurface exploration comprising undisturbed borings, auger borings, and cone penetration tests coordinated with the design-build contractor and LaDOTD for traffic control, lane closures, and sequencing to meet project schedules. Eustis Engineering also provided laboratory testing including shear and index testing and one-dimensional consolidation tests. Design services were provided for seven major project features. Mr. Morales was the ***geotechnical design engineer for all project features***, including driven pile and drill shaft foundation design, slope stability analyses, retaining wall design, embankment evaluations, roadway pavement design, and load test programs. Eustis Engineering evaluated the results of the bi-directional load test performed on a drilled shaft, performed dynamic pile testing with signal matching to verify pile load capacity estimates, and

	reviewed installation logs of the production shafts and piles. Mr. Morales' responsibilities on this project included performing engineering design work for the project features in a timely manner, allowing construction operations to progress with minimal delays.
10/23 – 06/25	**Port of New Orleans - Louisiana International Terminal, Violet, Louisiana (24618.10):** *Senior Engineer*. This project involves the design and construction of a new container terminal along the soft soil deposits of the Mississippi River. Eustis Engineering's involvement in the project included a ***comprehensive range of geotechnical services***. These services are essential for understanding the subsurface conditions and providing necessary data for design and construction of the terminal's infrastructure. Mr. Morales completed an internal review of the dynamic testing, signal matching verification, and test pile program report associated with the wharf and access ramps.
10/13 – 2/15	**State of Louisiana – Route Interstate 10, Highland Road to LA Highway 73, East Baton Rouge and Ascension Parishes, Louisiana (21777):** As a *Project Engineer*, Mr. Morales oversaw the field investigation phase of this project. He has performed analyses for deep foundations and analyzed settlement for the widening of the overpasses and approach embankments.
06/11 -02/13	**State of Louisiana - Essen Lane Interchange Westbound, Route Interstate 12, East Baton Rouge Parish, Louisiana:** Mr. Morales served as a *Project Engineer* for this project. He performed engineering analyses to evaluate some of the retaining wall alternatives. He also performed global slope stability analyses using Spencer's Method of Slices as coded within GEOSLOPE International Ltd.'s computer program, SLOPE/W.
02/09 – 03/15	**U.S. Army Corps of Engineers - Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV-09b, Western Tie-In Closure Structure, St. Charles and Plaquemines Parish, Louisiana (20536):** *Senior Engineer*. Eustis Engineering provided design and engineering during construction (EDC) services. The design phase scope, assisted by Mr. Morales, included drilling 5-in. undisturbed soil borings in the marsh***; laboratory testing***; engineering analyses of levees and structures; and installation, monitoring, and ***evaluation of geotechnical instrumentation.***
02/09 – 12/14	**State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening (18530, 20262):** Mr. Morales was involved in the later phases of this project as a *Project Engineer*. He reviewed and evaluated the results of cone penetration tests used to supplement the soil borings and performed dynamic testing on the piles supporting the approach ramps.
02/09 – 04/10	**U.S. Army Corps of Engineers - Inner Harbor Navigation Canal Surge Protection Project, New Orleans, Louisiana (20243.00-.15):** As a *Project Engineer*, Mr. Morales performed Wave Equation Analysis of Piles (WEAP) analyses for this project. He also participated in the field exploration phase and dynamic pile testing during the test pile program and job pile installation. In addition, he reviewed some of the construction submittals.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946					Meets MPR No. 9
Name	Gwendolyn P. Sanders, P.E.		Years of relevant experience with this employer		33
Title	Principal Engineer		Years of relevant experience with other employer(s)		0
Degree(s) / Years / Specialization			MS / 1992 / Engineering Bachelor of Science / 1990 / Civil Engineering		
Active registration number / state / expiration date			PE.0027104 / Louisiana / 09-30-2027		
Year registered	1997	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			**Geotechnical Engineering**		

Ms. Sanders began her career with Eustis Engineering L.L.C. in 1993 and has advanced through the engineering ranks to serve as president of the firm. With more than three decades of experience at a leading Gulf Coast geotechnical firm, she brings extensive expertise in soft soil conditions and coastal Louisiana projects. Ms. Sanders has managed all phases of geotechnical engineering work, including scope development, field investigations, laboratory testing programs, engineering analyses, report preparation, construction phase services, peer review, and client consultation. In addition to her project experience, Ms. Sanders is widely recognized for her leadership in the profession. She served as Program Advisor for the Deep Foundations Institute's 42nd Annual Conference in 2017 and was recognized as Outstanding Civil Engineer of the Year by ASCE New Orleans Branch and the Louisiana Section in 2022.

Experience dates	Experience and qualifications relevant to the proposed contract
01/21 - Ongoing	**LADOTD - Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.03):** *Principal Geotechnical Engineer*. The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and drilled 24 borings over water, marshes, and land. ***Geotechnical analyses followed AASHTO LRFD and LADOTD design requirements*** and include vertical and lateral pile analyses, pile scour capacity, lateral load analyses, pile group settlement, ground settlement, settlement surcharge/remediation, retaining wall recommendations, slope stability, and pavement design. Ms. Sanders assisted in the project scope development for the design services. She is also providing independent reviews for selected contractor submittals as part of the QA/QC requirements.
06/21 – Ongoing	**Port of New Orleans - Louisiana International Terminal, Violet, Louisiana (24618.00-.12).** Eustis Engineering is the *Geotechnical Designer* of record for the wharf and ramps as well as land-side features for the Louisiana International Terminal (LIT). This involved an extensive program of soil borings, cone penetration tests, and electrical resistivity tomography. Eustis Engineering's design services continued with the ***geotechnical instrumentation and monitoring*** of two test embankments and a pile load test program. In addition to design phase services, Eustis Engineering's contributions to the LIT project include construction materials testing (CMT) for field test studies that were an extension of the design phase services. Ms. Sanders provides guidance for progress options and collaborates with stakeholders during various portions of this project.
03/20 – 06/25	**State of Louisiana, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana (B0646):** *Principal Geotechnical Engineer*. Eustis Engineering performed ***geotechnical exploration, laboratory testing, and design services*** for this project. As Principal, Ms. Sanders put in over 300

	hours on this project to perform senior level reviews associated with the design and construction services. She participated in weekly progress meetings both with the design team and with the owner's representatives.
02/18 – 9/19	**Greater New Orleans Expressway Commission (GNOEC) - Lake Pontchartrain Causeway, Safety Bay Improvements, Jefferson and St. Tammany Parishes, Louisiana (23800):** As *Engineering Manager and Project Principal*, Ms. Sanders was involved in the development of the ***geotechnical scope of work*** as well as field and laboratory programs. She provided general oversight and review of the engineering analyses during the ***geotechnical exploration and design*** including development of the pile data table and testing program. She also provided oversight and evaluation during the construction phase including review of the verification testing of indicator piles and monitor piles as well as adjustment of driving criteria and acceptance criteria.
01/12 – 06-24	**State of Louisiana - Route I-10, Williams Boulevard, Veterans Boulevard, and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana, S.P. Nos. H009087.5 and H.003074.5 (21687.00-.05):** Ms. Sanders served as the *Project Manager* during the 2012 exploration phase of these projects and preliminary design. She assisted with rating determinations of the existing Veterans Boulevard and Duncan Avenue canal bridges and the Loyola Drive and Williams Boulevard overpasses. This rating included recommended resistance factors associated with the available pile load tests to be used to assess the existing structure's ability to meet current Load Resistance Factor Design (LRFD) requirements. Engineering analyses included ***settlement evaluations for various embankment fill heights and widths, settlement and differential settlement of pile foundations, slope stability*** of each canal crossing, and ultimate vertical pile capacity estimates. Ms. Sanders provided senior level review during later project phases when a bridge replacement, rather than widening, was selected. The replacement bridge required the evaluation of a preload/surcharge program for project phasing. Prefabricated vertical drains (wick drains) were considered within the surcharge areas to meet construction phasing durations.
03/11 – 08/16	**State of Louisiana - Wisner Boulevard Overpass, Orleans Parish, Louisiana (22972, 22637, 21349, 21966):** *Principal Geotechnical Engineer*. Ms. Sanders developed subsoil design parameters used to estimate ultimate compressive pile load capacity for alternative pile sizes of precast concrete piles. Other factors considered in our engineering analyses included drag loads due to fill placement, estimated total settlement due to structural loads, pile installation recommendations, and recommended inspection and monitoring of existing structures. In addition to the design team, LADOTD, and contractor, project stakeholders involved in progress meetings and coordination efforts included the City of New Orleans and New Orleans City Park representatives.
08/06 – 12/14	**State of Louisiana - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening, Jefferson Parish, Louisiana (18530, 19483, 20262):** Ms. Sanders served as the *Project Manager And Lead Geotechnical Engineer* during design and construction. Ms. Sanders provided design pile and shaft capacity estimates in the engineering/design phase of the project. Prior to construction, she ***reviewed the geotechnical aspects of the project*** specifications and provided comments. During construction, she observed/witnessed drilled shaft installations and shaft inspection device (SID) testing prior to concrete placement. She also observed and reviewed the results of pile and shaft load testing and provided final inputs to the pile data tables.

Firm employed by.	EUSTIS ENGINEERING L.L.C. SINCE 1946		
Name	**Patrick A. Thurmond, P.E.**	Years of relevant experience with this employer	10
Title	Geotechnical Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2020 / Civil Engineering MS / 2018 / Engineering Management BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		PE.0044237 / Louisiana / 09-30-2026	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Geotechnical Engineering**	

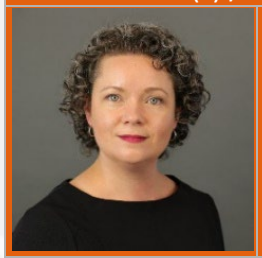
Prior to joining Eustis Engineering L.L.C., Mr. Thurmond developed foundational engineering skills as an intern with the U.S. Department of Agriculture's Natural Resources Conservation Service in Cheyenne, Oklahoma, where he gained experience in land surveying, erosion control design, and hydrology. He joined Eustis Engineering as an assistant project engineer and was later promoted to project engineer, performing a wide range of geotechnical analyses including bearing capacity, pile load capacity, vertical and lateral pile response, slope stability, sheet pile wall design, drag load evaluation, wick drain design, and settlement analyses. Mr. Thurmond is proficient in numerous geotechnical software programs, including LPILE®, TZPILE®, GROUP®, SEEP/W, SLOPE/W, Settle3, and GRLWEAP™. In 2021, after earning Coastal Engineering and Coastal Sciences Certifications from the University of New Orleans, he was promoted to project manager. He has also completed postgraduate coursework in data science and business analytics, applying AI and machine learning to geotechnical data analysis and design development.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/21 – Ongoing	**LADOTD - Bayou Barataria Bridge Replacement, Jefferson Parish, Louisiana (24515.00-.04):** *Engineer*. The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and drilled 24 borings over water, marsh, and pavement. Engineering during construction (EDC) includes Wave Equation Analysis of Piles (WEAP) driveability, dynamic pile testing (DPT) with signal matching, and development of a vibration monitoring plan. Mr. Thurmond initially planned and performed a precondition survey required to obtain permits for geotechnical exploration and later provided support for the DPT services, including field operations and data analysis.
06/21 – Ongoing	**Port of New Orleans – Louisiana International Terminal, Violet, Louisiana (24618.00-.12):** *Engineer*. Mr. Thurmond has been involved in the Louisiana International Terminal project since 2021. This project involves the design and construction of a new container terminal along the soft soil deposits of the Mississippi River. Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services are essential for understanding the subsurface conditions and providing necessary data for design and construction of the terminal's infrastructure. The scope of work involved geotechnical exploration; data analysis and reporting; load testing and monitoring; and test embankment design, instrumentation, and monitoring. Mr. Thurmond served as project manager for various stages of this effort. He has dedicated over 2,000 hours to project coordination, field coordination, engineering analyses, oversight of the geotechnical instrumentation for the test embankment sites, oversight of the pile load test program, preparation of numerous design deliverables, and countless other tasks.

05/21 – Ongoing	**Jefferson Parish - Proposed Multi-Use Pathways and Bridges, Bucktown at 17th Street Canal and Veterans Boulevard, Jefferson Parish, Louisiana (23920.00-.02, 25282):** *Engineer*. These projects involve construction of a new bridge crossing Veterans Memorial Boulevard as well as a bike path extending north and south of the bridge along the west side of the 17th Street Canal. A second bridge is planned where this multi-use path will cross the 17th Street Canal in Bucktown. These new features parallel and cross an existing floodwall with project stakeholders including the local levee district; the State of Louisiana Coastal Protection and Restoration Authority; and the U.S. Army Corps of Engineers, New Orleans District. Additionally, the New Orleans Regional Planning Commission is a stakeholder for continuation of the path into New Orleans after crossing the canal. Eustis Engineering obtained the relevant drilling permits and performed soil borings and associated laboratory testing along the proposed pathway and at the proposed bridges. These data were used to provide design recommendations and limits for the bridge, path, and levee embankment. Mr. Thurmond performed engineering analyses in support of deep foundation design, slope stability for the existing flood protection features, and a lightweight embankment design. Mr. Thurmond also coordinated with the structural engineer and regulatory agencies through several design iterations to provide solutions to complex spatial limitations for the Veterans Bridge and pathway alignments. Similar coordination is ongoing for the Bucktown bridge alignment.
07/17 – 06/24	**State of Louisiana – Route I-10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana (21687.05):** This project involved the widening of I-10 between two interchanges in Jefferson Parish, Louisiana, and the installation of a replacement bridge and ramp at the Veterans Boulevard interchange in lieu of a bridge widening as initially planned for the project. Mr. Thurmond was the *Project Manager* for this phase of the project. A supplemental exploration was conducted to support engineering analyses including settlement estimates, slope stability analyses, development of a staged surcharge program, and evaluation of construction sequencing. Mr. Thurmond published the geotechnical report and collaborated with the client's team to ensure geotechnical recommendations were incorporated into the plans and specifications.
03/20 – 06/25	**State of Louisiana - Department of Transportation and Development, I-10 and I-12 College Drive Flyover Ramp Design-Build Project, East Baton Rouge Parish, Louisiana, S.P. No. H.013897, F.A.P. No. H013897 (B0646):** *Engineer*. Major features of this project include a flyover ramp exit to College Drive; a modified exit from I-12 West; and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Geotechnical design services were provided for seven major project features including driven pile and drill shaft foundation design, slope stability analyses, embankment evaluations, roadway pavement design, and development of load test programs. Eustis Engineering performed dynamic pile testing (DPT) with signal matching to confirm driven pile embedments. Mr. Thurmond assisted the project manager in processing the DPT data and reviewing results of the signal matching and reports.
02/18 – 10/19	**Greater New Orleans Expressway Commission (GNOEC) - Lake Pontchartrain Causeway, Safety Bay Improvements, Jefferson and St. Tammany Parishes, Louisiana (23800.00-.03):** *Engineer*. Field exploration included 20 soil borings within Lake Pontchartrain to supplement historical data. Engineering analyses and recommendations included ultimate compressive and tensile vertical pile capacity curves, lateral load analyses, settlement estimates, and pile load testing recommendations. Mr. Thurmond completed the design analyses compiled in the geotechnical report as the project engineer. Engineering design support during construction comprised submittal reviews, review and evaluation of daily pile driving records, and responses to RFIs. Mr. Thurmond spent many hours performing end-of-drive and restrike dynamic pile tests on the monitor piles. He also processed and evaluated these data.

QUALITY CONTROL AND PEER REVIEW TEAM

Firm employed by. ARCADIS				Meets MPR No. 3
Name	**Kristen Kasmire, PE, SE**		Years of relevant experience with this employer	11
Title	Bridge Practice Lead		Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization			MS / 2004 / Civil Engineering, Georgia Institute of Technology BS / 1996 / Civil Engineering, Georgia Institute of Technology	
Active registration number / state / expiration date			PE.0043461 / LA / Exp. 09/30/2027; PE026701 / GA / Exp. 12/31/2026	
Year registered	2001	Discipline	Civil Engineer / Land Surveyor	
Contract role(s) / brief description of responsibilities			**Quality Control & Peer Reviews – Bridge**	



Ms. Kasmire has more than **28 years of experience designing structures, including bridges, retaining walls, and other transportation facilities**, and managing transportation projects from concept through construction. She has worked for a variety of clients, including state Departments of Transportation (DOT), counties, cities, contractors, and private developers. She has experience in both design-bid-build and design-build projects. She uses her diverse experience to deliver innovative solutions. Her role on this contract is to provide **QA/QC and serve as a technical advisory** for any structural design components that may be required.

Experience dates	Experience and qualifications relevant to the proposed contract
10/14 – Ongoing	**Buena Vista Road Bridges (Spider Web Network), Columbus, GA.** *Bridge Design Lead*. ***Replaced an at-grade railroad crossing with a grade separated crossing***, improving safety and reducing travel delays on Buena Vista Road. Approximately seven trains per day crossed Buena Vista Road, causing significant delays to the 27,000 vehicles traveling that corridor. Through analysis of traffic patterns in the area, the corridor was realigned, and several intersections were reconstructed to improve traffic flow and reduce congestion. The project required staging of traffic to construct the grade separation while limiting impacts to the traveling public. The project also included four retaining walls and the replacement of an existing bridge carrying Buena Vista Road over Bull Creek. The bridge was replaced using stage-construction.
09/16 – Ongoing	**I-16 / I-95 Interchange Widening, Georgia Department of Transportation (GDOT), Chatham County, GA.** *Project Manager and Bridge Design Lead*. Delivered ***roadway and bridge costing plans***, a full survey database, and an approved environmental document (Categorical Exclusion) to support this interchange reconstruction and interstate widening project. Prepared conceptual staging plans for eight bridge replacements and provided ***cost estimates*** for the replacements, two new flyover ramps and some minor repair work. This effort assisted the roadway team in evaluating staging alternatives and allowed the GDOT to evaluate costs and right-size project scope. With the better-defined scope, oversaw preparation of costing plans for the new flyovers, replacement of four bridges, and repair of five bridges. ***Coordinated bridge work*** performed in-house and by subconsultants, ***maintaining consistency across all deliverables***. Led a multidisciplinary team and worked closely with GDOT's Office of Innovative Delivery to maintain the costing plans and supporting documents were delivered on schedule, enabling GDOT to select the Design-Build team in June 2018.
01/20 – Ongoing	**US 90 Business Signing Upgrades and Construction Engineering Support, Louisiana Department of Transportation and Development, Jefferson and Orleans Parishes, LA.** *Structures Technical Advisor*. Provided ***high-level structural guidance and reviewed designs*** for the replacement of overhead and roadside sign structures. The existing and proposed sign structures

	were attached to existing bridges of various configurations and material types, which required unique structural solutions to handle the current design loads without negatively impacting the existing bridges.
05/20 – 11/20	**Alphonse Forbes Bridge at Sandy Bayou Replacement, East Baton Rouge City-Parish, Watson, LA / 18-Br-Pt-0017.** *Bridge Quality Assurance and Technical Advisor*. Provided ***oversight of bridge design and plan production*** to verify the project met the requirements of the City, complied with American Association of State Highway and Transportation Officials and City policies, and underwent Arcadis ***quality control and quality assurance process***. The project replaced an existing bridge on Alphonse-Forbes Road over Sandy Creek with a new nine-span flat slab bridge on pile bents. The project was designed to fit within the existing right-of-way and meet the required hydraulic opening.
03/16 – 08/18	**State Route (SR) 11 Bridge Replacement over Apalachee River, Walton/Barrow Counties, GA.** *Bridge Design Lead*. ***Replaced a structurally deficient bridge*** and provided operational improvements to traffic on SR 11. The project relocated SR 11 west of its present location for a total of 0.57 miles. The proposed new bridge was a 280' x 44' three-span prestressed concrete (PSC) beam bridge and was located just west of the existing bridge. The relocated SR 11 consisted of two 12' lanes with 10' rural shoulders (4' paved). Traffic was maintained on the existing bridge while the proposed bridge was constructed to maintain local and through traffic during construction.
09/15 – 06/18	**I-85 Express Lanes Design Build (DB), Georgia DOT, Gwinnett County, GA.** *Bridge Design Lead*. ***Produced design plans for impacted bridges*** to accommodate expansion of a congested Metro Atlanta interstate. The design plans proposed complete replacement of the southbound (SB) bridge over I-985; construction of one new bridge to transport the I-85 northbound (NB) managed lane over general-purpose lanes and widening I-85 NB and SB bridges over SR 20. The SB bridge over I-985 was a three-span PSC beam bridge, utilizing 74-inch Bulb Tee beams to span up to 163 feet. The bridge was supported on concrete piers with a mix of spread and pile footings and was stage-constructed to maintain interstate traffic. The NB managed lane bridge over I-985 was also a three-span bridge, using 78-inch Florida I-Beams to span up to 183 feet. Stability of this long-span beam was carefully analyzed during manufacture, transport, erection, and in the final condition. The twin bridges over SR 20 were four-span bridges with span lengths ranging from 52 to 96 feet. The widening was constructed of 54-inch Bulb Tee beams supported on reinforced concrete intermediate bents and steel h-pile end bents. Rock was shallow around the bridge, and foundations were a combination of spread footings founded on rock and pile-supported footings.
10/14 – 08/16	**I-75 South Managed Lanes Design-Build, Georgia DOT, Henry County, GA.** *Bridge Design Lead*. ***Designed variable-rate toll lanes*** along I-75 between SR 155/McDonough Road and SR 138/Stockbridge Highway utilizing GDOT's ***innovative DB approach to expedite project delivery***. Included two reversible lanes in I-75 center median from SR 138 in south Clayton County to just north of SR 20 and one reversible lane also in the center median, extending to SR 155 in Henry County. The project used three slip access locations to provide ingress/egress from the managed lanes to/from I-75 general purpose lanes. A new dedicated "express-lane only" access interchange was constructed south of Jonesboro Road with a connector road back to Jonesboro Road. A flyover ramp at the northern terminus was included and provided slip ramps on I-675 near SR 138.

Firm employed by. ARCADIS			
Name	**Jonathan Reid, PE, PTOE, RSP1**	Years of relevant experience with this employer	8
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		MS / 1999 / Civil Engineering, North Carolina State University BS / 1994 / Civil Engineering, Lawrence Technological Institute	
Active registration number / state / expiration date		PE # 032806 / GA / Exp. 12/31/26 PTOE # 1588 / USA / Exp. 03/29 RSP # 104 / USA / Exp. 12/27	
Year registered	2008	Discipline	Traffic Engineering
Contract role(s) / brief description of responsibilities		**Quality Control & Peer Reviews – Alternative Technical Concepts**	

Mr. Reid has more than **20 years of experience in the transportation field**. His background includes traffic modeling, intersection design, managed-lane facilities planning, feasibility studies, safety studies and design, road safety assessments, corridor studies, roundabout design, toll roads, transit projects, sports and entertainment facility planning, highway signing and marking, traffic impact analysis, signal warrants and design, and traffic calming studies. He has managed traffic operations and planning projects for state, federal and municipal clients and developers in the United States (U.S.) and abroad.

Experience dates	Experience and qualifications relevant to the proposed contract
05/16 – Ongoing	**Traffic Safety Design Services, Region B, Districts 3 & 6, Georgia Department of Transportation (GDOT), Statewide, GA.** *Project Manager* for a three-year, $12 million project to provide safety analysis and design service support for GDOT Districts 3 and 6. Advanced safety projects through ***preliminary traffic engineering*** and Concept Report phases and completed preliminary and final design. Typical safety projects included road safety audits, evaluation and recommendation of safety countermeasures, and project initiation and plan preparation for ***safety improvement projects***. Projects included ***intersection conversion to a roundabout***, diverging diamond interchange or other safer intersection forms. As part of this project, developed an Intersection Control Evaluation tool to automate evaluation and recommendation of the safest and most cost-effective intersection control type improvements.
01/18 – 05/18	**US 61 Corridor Feasibility Study (Airline Hwy), Louisiana Department of Transportation and Development (LADOTD), East Baton Rouge Parish, LA.** *Technical Advisor***.** Provided supervisory oversight for this feasibility study. The purpose of the study was to assess traffic operations and potential safety improvements for this urban, four-lane divided highway. Scope of services included traffic data collection and analyses, safety data analyses, ***future traffic projections considering corridor growth rates***, assessment of access management improvements (implementing Superstreet concept), and evaluation of concept using Highway Capacity Manual and Highway Safety Manual methodologies.
03/17 – 09/25	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement, LADOTD, St. Mary Parish, LA.** *Technical Advisor.* Assisted with the development of ***Tier 1 Traffic Analysis and alternative concept analysis*** to identify a range of feasible alternatives and determine the impacts with respect to traffic operations, safety, and cost.
07/18 – Ongoing	**Feasibility Studies Limited Services Contract for North Carolina Department of Transportation (NCDOT), Statewide, NC.** *Project Manager*. Managed the team in providing an array of services, including traffic and safety data collection and forecasting, ***alternative development and analysis***, project scoping, concept development layout and design, environmental,

	hydraulic, utility, and structural reviews, ***cost estimating,*** and project programming and prioritization. Performed express design services to expedite project delivery.
10/14 – 03/15	**State Route (SR) 141/State Bridge Road Innovative Intersection, City of Johns Creek, GA.** *Project Manager.* Developed and modeled ***innovative intersection concepts*** to improve one of the worst intersections in North Fulton County. Provided concept design for both a dual-median U-turn (thru intersection) and median U-turn/continuous flow hybrid alternatives. VISSIM simulation model results showed a 75% reduction in travel delay and a 25% increase in intersection capacity without any substantial right-of-way requirements.
07/07 – 10/08	**I-75 NW Corridor Draft Environmental Impact Study, GDOT, Cobb and Cherokee Counties, GA.** *Lead Task Manager.* Performed traffic analysis and developed Interchange Modification Report (IMR)/Interchange Justification Report (IJR) to support ***NEPA Environmental Impact Statement*** document for $834 million managed lane corridor to improve 26 miles on I-75 and I-575. Supervised ttraffic forecasting using Atlanta Regional Commission (ARC) 20-county model projections, traffic analysis of study area roadway and intersections (using Synchro/Vissim), and evaluation of impacts and proposed mobility and safety mitigation measures. Managed development of the ***largest IMR/IJR project ever undertaken in the state***, which included microsimulation analysis of all new and modified managed-lane and general-purpose interchanges in the corridor. The IMR/IJR was approved months ahead of schedule because Federal Highway Administration (FHWA) had no comments to address from the first submittal package.
09/09 – 03/11	**Roswell Historic Gateway Transportation Improvement Project City of Roswell, Roswell, GA.** *Project Manager.* Performed a study to provide ***public involvement, traffic analysis, design concept, environmental study and NEPA Environmental Assessment*** document preparation, and preparation of preliminary plan preparation to improve Atlanta Street between SR 120 and the Chattahoochee River (1.5 miles) by removing a current reversible lane system. The Study included innovative solutions to solve controversial project needs, including multi-lane roundabouts, non-traditional interchange concepts and context-sensitive design to minimize impact to adjacent National Park Service and historic properties while enhancing business development opportunities in this important historic corridor. The Project received the ***2012 Georgia Partnership for Transportation Quality award for Best Context-Sensitive Design and Public Participation***.
01/19 – 03/20	**NCDOT Congestion Management /Innovative Intersection Guide project, Statewide, NC.** *Lead Author* in the development of the Quadrant Roadway Intersection Informational Guide, published by FHWA through a partnership with NCDOT. The guide was the fifth in a series on ***innovative intersection designs*** and highlighted national experience with this emerging intersection form, designed to reduce congestion at bottleneck intersections. There were four Quadrant Roadways built in the U.S., and the guide drew on experience and operational analysis of this new intersection form to encourage other state DOT to implement the design where appropriate.

Firm employed by: ARCADIS			
Name	**Suhil Bagighni, PhD, PE, DBIA**	Years of relevant experience with this employer	2
Title	Quality Control & Peer Reviews - Alternative Delivery	Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization	PhD / 2012 / Civil Engineering / The University of Alabama in Huntsville, AL MS / 2001 / Civil Engineering / The University of Alabama in Huntsville, AL BS / 1995 / Civil Engineering / University of Tripoli, LBY		
Active registration number / state / expiration date	72361 / CA / Exp. 06/31/28; PE045104		
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Quality Control & Peer Reviews - Alternative Delivery**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Bagighni possesses over 27 years of experience in the delivery of complex transportation and infrastructure projects, with a particular emphasis on large-scale design-build initiatives. He has extensive specialized experience in managing and executing design quality control and quality assurance for major transportation projects across the nation. Mr. Bagighni holds a Bachelor's, Master's, and Doctorate degree in Civil Engineering and is a licensed Professional Engineer in Georgia, Florida, California, Texas, North Carolina, Washington, and Oklahoma. His certification from the Design-Build Institute of America further underscores his comprehensive knowledge and unwavering commitment to excellence in design-build, quality control, and quality assurance.
01/25 – Ongoing	**I-10 Calcasieu River Bridge P3 Design-Build Project ($2.3 billion), Lake Charles LA.** *Design Quality Assurance Manager and Independent Technical Reviewer*. Provided training to design staff on the quality process, verified effective implementation of the ***Design Quality Management Plan (DQMP) across all stages of design execution***. Performed independent technical reviews of select packages, offering technical feedback to the design team. . The I-10 Calcasieu River Bridge project in Lake Charles, Louisiana, replaced the aging 1952 structure and improved 10 miles of I-10. Serving over 80,000 vehicles daily, the project addressed safety, capacity, and operational issues. The scope included the construction or rehabilitation of six additional bridges to enhance connectivity and traffic flow.
11/24 – Ongoing	**I-285/I-20 West Interchange – Segment 1 P3 Design-Build Project ($1.25 billion), Atlanta, GA.** *Design Quality Assurance Manager and Independent Technical Reviewer*. Provided training to design staff on the quality process, verified effective implementation of the DQMP across all stages of design execution. ***Performed independent technical reviews of select packages, offering technical feedback to the design team***. The project involved widening several interstate system-to-system ramps, adding collector-distributor (CD) lanes, connecting lanes, and auxiliary lanes along I-20 west and I-285 north of the interchange. Key improvements included removing left-hand entrance and exit ramps, enhancing geometric design and vertical grades, constructing two-lane ramps within the interchange, and adding westbound CD lanes from the interchange to Fulton Industrial Boulevard.
05/21 – 09/23	**I-405 Widening and Express Lanes Design-Build Project ($706 million), Seattle, WA.** *Deputy Design Manager*. Collaborated closely with both the design and contractor teams to deliver base design packages and those related to Design Services During Construction (DSDC) in accordance with the design schedule and the construction priorities established by the construction joint venture. A key aspect of the role involved verifying that the design team adhered to all procedures

	mandated by the DQMP. This 14-mile project encompassed multimodal transportation and safety enhancements aimed at providing more reliable travel options and facilitating the movement of drivers, transit users, and freight.
08/17 – 07/19	**I-70 Reconstruction (Central 70) P3 Design-Build Project ($1.5 billion), Denver, CO.** *Independent Technical Reviewer*. Collaborated closely with the design staff for nearly two years, conducting ***comprehensive independent roadway design quality technical reviews for two of the three segments of this major project***. The construction value for these segments exceeded $550 million. The project's scope included the reconstruction and widening of a 10-mile segment of the I-70 freeway between I-25 and I-225. Performed technical reviews on all base design milestone submittals, including final plans, to maintain compliance with DQMP, contract documents, and the design manuals of Colorado Department of Transportation, the City of Denver, and the American Association of State Highway and Transportation Officials (AASHTO). The review encompassed the I-70 mainline and its flyover connector ramps with I-25 and I-225, on and off ramps, frontage roads, and side roads. It included assessments of horizontal and vertical alignments, vertical clearances, 3D model reviews, superelevation and superelevation transition calculations, roadway plan and profile sheets, intersection and gore detail sheets, typical and cross sections, retaining wall limits, geometry plan sheets and tables, and calculations for horizontal and vertical sight distance as well as guardrail length.
06/09 – 08/13	**I-405 Widening Design-Build Project, ($1.6 billion), Los Angeles, CA.** *Segment Manager and Design Quality Assurance Manager (for DSDC Phase)*. Managed Segment 3 for one of the largest projects in the nation at the time, involving the widening of 10 miles of the country's busiest freeway, with an Average Daily Traffic of 400,000. ***Led a multidisciplinary team to deliver the base design package*** and achieve Released for Construction status for a ***large design package with construction value exceeding $500 million.*** To achieve that, worked closely with the design and construction teams to maintain strict adherence to the quality process. In the second year, assumed responsibility for design quality assurance across the entire project, managed staff training on quality processes, conducted audits, administered the DQMP, coordinated with the builder's Project Quality Manager, managed quality risks, implemented mitigation measures, and initiated process improvements to uphold high-quality standards. The project scope included adding High-Occupancy Vehicle lanes, standardizing 12-foot lanes and shoulders, replacing three overpass bridges, widening 13 underpass bridges, realigning 27 ramps, and constructing 18 miles of retaining and sound walls.
03/17 – 11/18	**Kickapoo Turnpike Project ($452 million), Oklahoma City, OK.** *Independent Technical Reviewer*. Performed a ***comprehensive technical review of the roadway and grading plans*** for Segment 4 of this ***substantial $452 million project*** for the Oklahoma Turnpike Authority (OTA). This initiative formed part of the broader $1.5 billion Driving Forward program by OTA. The project involved the development of a new 20-mile turnpike east of Oklahoma City, facilitating a connection between I-40 and I-44. Verified that the design adhered to the program's Design Quality Plan, the contract documents, the OTA Design Manual, the Oklahoma Department of Transportation Roadway Design Manual, and AASHTO design manual.

Firm employed by. Stanley Consultants				Meets MPR No. 10
Name	**Jesse Tisdale, PE**		Years of relevant experience with this employer	7
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE # 40972 / LA / Exp. 03/31/2027	
Year registered	2016	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Project Management Plan; Plan Development and Letting Support; Quality Control & Peer Reviews (Roadway)**	

Mr. Tisdale has been responsible for the design and/or project management of roadway projects such as roadway reconstruction, intersection safety projects, turn lane additions, corridor safety projects, and roundabout projects throughout Louisiana. He has completed 14 projects for Department of Transportation and Development (DOTD). He is also proficient in both design and management and can fulfill both roles simultaneously as projects warrant. His design expertise is with roadway/highway design, drainage, environmental permitting, construction sequencing, earthworks and estimating. He holds Traffic Control Technician and Traffic Control Supervisor certifications.

Experience Dates	Experience and qualifications relevant to the proposed contract
10/18 – 04/22	**LA 30 Roundabouts at Tanger & I-10, DOTD, Ascension Parish, LA.** *Project Manager/Lead Design Engineer* for providing ***oversight for all necessary engineering and related services*** required for the design of four multi-lane roundabouts along LA 30 at the heavily traversed commercial interchange at I-10 in Gonzales, LA. Performed quality assurance (QA) of typical sections, pedestrian and bicycle design, roadway geometrics, roundabout geometrics, drainage design, and driveway details for the project.
11/18 – 04/22	**I-12 LA 1077 to LA 21, DOTD, St. Tammany Parish, LA.** *Project Manager* for assisting and overseeing the horizontal and vertical alignment design, drainage design, and sequence of construction with minimum temporary traffic control layout and striping ***according to DOTD specifications, standards and design criteria.*** Performed project management duties, including coordination, quality control (QC) of plans and design, and scheduling. Used design tools including MicroStation, InRoads, CADConform, Bentley InRoads, DOTD HydrWIN, and Microsoft Project.
04/23 – Ongoing	**LA 724 Roundabout at Landry Rd; DOTD; Lafayette Parish, LA - Statewide IDIQ.** *QA/QC Controller* for the quality and completeness of the design and construction plans. ***Provided overall project oversight, budget controls, and coordination with LADOTD.***
11/23 – Ongoing	**LA 1088 Forest Brook Blvd Roundabout, DOTD, St. Tammany Parish, LA.** *QA/QC Controller* for the quality and completeness of the design and construction plans. Assisted in ***managing the project as the overall IDIQ Project Manager***, while others manage the individual projects.
10/18 – 11/22	**US 171 at Boone St. Roundabout, DOTD, Vernon Parish, LA.** *Project Manager* for assisting design of a three-legged multi-lane roundabout and multiple intersection improvements along US 171. Performed tasks including budgeting, project cost estimation, utility coordination, and ***QA for the design and construction plans***. The project included engineering services to develop construction plans for a multi-lane (hybrid) roundabout at the intersection of US 171 and Boone Street to improve safety and efficiency while utilizing best access management practices along the corridor.

09/24 – Ongoing	**US 190 R-CUT at LA 741, DOTD, St. Landry Parish, LA.** *QA/QC Manager* for ***providing quality control*** for the project as well as assisting the project manager in coordinating design elements. Assisted in making high level design decisions.
05/24 – Ongoing	**Inter. Imp. on LA 92 at LA 733 & Gallet Rd, DOTD, Lafayette, LA.** *QA/QC Lead Engineer* for reviewing work products for technical adequacy and completeness, verifying preparation and checking procedures have been followed, reviewing ***Quality Control Checklists as a discipline approver*** at each designated ***quality "checkpoint",*** and reviewing design criteria documents for compliance with LADOTD and American Association of State Highway and Transportation Officials standards. Provided design guidance to the project team as a subject matter expert.
01/23 – Ongoing	**I-20 Widening/Ovrly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA.** *Project Manager* for adherence to scope of work, budget, and schedule requirements. Performed ***QA/QC and coordinated subconsultants***.
08/24 – Ongoing	**LA 44 I-10 Roundabouts, DOTD, Ascension Parish, LA.** *Project Manager* for providing oversight into all necessary engineering and related services required for the design of three multi-lane roundabouts along the LA 44 corridor at the heavily traversed I-10 interchanges in Gonzales, Louisiana.
10/13 – 04/15	**US 11 at Cleo Road Roundabout, DOTD, St. Tammany Parish, LA.** *Lead Designer* for the design and plan development of a single lane roundabout at US 11 and Cleo Rd. The roundabout design included special design details for the WB-67 design vehicle due to two distribution warehouses located on Cleo Road. The project also included designing a fourth leg to be constructed in the future as private development north of the roundabout is completed.
04/16 – 01/18	**Dijon Drive Extension Phase I & II, Confidential Client, East Baton Rouge Parish, LA.** *Project Manager and Lead Designer* for a proposed four-lane divided highway project between Essen Lane and Bluebonnet Boulevard. Managed budgets in coordination with local, city, and state agencies and coordinated design and construction schedules to prevent conflicts with adjacent major construction activities. Coordinated with private entities and public agencies involved in design and construction activities in the project vicinity and integrated subsurface drainage systems to accommodate both roadway drainage and adjacent private properties. ***Designed roadway geometry, developed roadway models, and oversaw drainage design.*** The project was a greenfield alignment.

Firm employed by. ARCADIS			Meets MPR No. 5
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		**Quality Control & Peer Reviews - Traffic**	

Mr. Deitch is a Senior Traffic Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. He has experience managing and working on projects for Louisiana Department of Transportation and Development (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 also completed LADOTD Traffic Engineering Process and Report (TEPR) Training.

Experience dates	Experience and qualifications relevant to the proposed contract
02/22 – Ongoing	**I-10 Calcasieu River Bridge P3, Calcasieu Parish, LA.** *Traffic Engineer* 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 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. Responsibilities included performing traffic engineering, including developing a ***Transportation Management Plan*** (TMP) and designing permanent signage, signals, and pavement markings.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer*. The 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) construction from LA 415 to Essen Lane on I-10 and I-12. Responsibilities included performing a wide range of traffic engineering tasks, including developing permanent signing plans, preparing ***Interchange Modification Reports***, and developing TMPs for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.
07/14 – 06/23	**Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA.** *Traffic Engineer.* Performed traffic analysis of proposed alternatives using VISSIM software. Played a key role in developing preliminary roadway design drawings incorporating Complete Streets. Completed an Environmental Assessment (EA) and Line and Grade and provided ***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 Federal Highway Administration Policy Points.
04/22 – Ongoing	**LA 30 (I-10 to EBR Parish Line) EA, LADOTD, Ascension Parish, LA.** *Senior Traffic Engineer.* Provided ***technical advisory for traffic engineering*** tasks including traffic data collection, peak period observations, volume projections and Highway Capacity

	Analysis (multi-period analysis using Highway Capacity Software) and maintained conformance with LADOTD TEPR Requirements.
03/17 – Ongoing	**I-49 Supplemental Environmental Impact Statement (EIS), LADOTD, St. Mary Parish, LA.** *Senior Traffic Engineer.* Performed traffic engineering tasks, including data collection, volume development, VISSIM microsimulation model calibration, and ***alternative development and analysis***. Conducted a Supplemental Environmental Impact Statement study to quantify impacts of converting US-90, which has numerous existing access connections, to a controlled-access interstate (future I-49) facility. Arcadis developed a ***unique volume development methodology*** to estimate traffic redistribution resulting from conversion of US-90 to I-49.
07/14 – Ongoing	**US 11 Environmental Assessment (EA), LADOTD, St. Tammany Parish, LA.** *Traffic Engineer.* Performed 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. Proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. The project analyzed several ***innovative alternatives for the proposed corridor, including "superstreets" and J-turn concepts.***
02/23 – 05/24	**District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Project Manager*. Responsibilies included performing contract management and providing technical advisory for this ***Stage 0 Feasibility Study*** to develop and evaluate safety countermeasures addressing pedestrian safety needs on seven corridors within Caddo and Bossier Parish. The study methodology followed a Road Safety Assessment approach 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, North Louisiana Council of Governments, Downtown Development District, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in Stage 0 Feasibility Reports for all seven study corridors, with Preliminary Scope and Budget Checklist and Environmental Checklist. ***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.** *Project Manager.* Responsibilities included 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.** *Traffic Engineer.* Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of Hard Shoulder Running and High-Occupancy Vehicle 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.** *Traffic Engineer.* Responsibilities included performing data collection and analysis, conducting traffic analysis, and developing conceptual design drawings. The study identified feasible improvement alternatives to address safety issues along the I-49 corridor at three interchanges. Participated in meetings with LADOTD HQ and District 03 team members to understand needs and develop context-sensitive solutions.

Firm employed by. ARCADIS			
Name	**Braulio Ramirez, PE**	Years of relevant experience with this employer	2
Title	Principal ITS and Traffic Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering, California State Polytechnic University	
Active registration number / state / expiration date		PE.0048956 / LA / Exp. 09/30/2024	
Year registered	2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Quality Control & Peer Reviews - ITS**	

Mr. Ramirez's experience encompasses 20 years in Intelligent Transportation Systems (ITS) design and traffic communication networks. He has served as Project Engineer and Technical Lead on numerous ITS, Transit Signal Priority, and traffic engineering projects. His design experience includes Advanced Traffic Management Systems (ATMS), video distribution management, wireless communication systems, fiber optic communication systems, Vehicle Detection Systems (VDS), Closed-Circuit Television (CCTV) cameras, Dynamic Message Signs (DMS), signing and striping, traffic control, stage construction, neighborhood traffic management, and the operation of other ITS elements.

Experience Dates	Experience and qualifications relevant to the proposed contract
08/19 – 03/24	**ITS Design and Construction Support for the Traffic Signal System for ATMS, City of Rancho Cucamonga, CA.** *Project Manager*. Prepared coordination timing plans, design plans, specifications, and estimates for traffic signal modifications and communication system upgrades. During construction, provided construction support and integration services. The primary goal of this project was to ***deploy new ITS communication infrastructure*** to support management of the city's transportation network, implement optimized coordination timing plans to achieve optimal traffic flow, and improve safety for all road users, including vehicles, buses, bicycles, and pedestrians.
02/17 – 02/24	**Orange County Transportation Authority (OCTA), I-405 Design-Build Improvement Project – ITS Design, Orange County, CA.** *Principal ITS Engineer.* Prepared Electronic Toll and Traffic Management and signal plans and served as a subconsultant of a ***multidisciplinary design and construction team on this $2.1 billion design-build project*** in Orange County California. The project improved 16 miles of the I-405 between the SR-73 freeway in Costa Mesa and the I-605 near the Los Angeles County line. The project added one general-purpose lane in each direction from Euclid Street to I-605, improved freeway entrances, exits and bridges, and implemented express lanes that expanded the existing High-Occupancy Vehicle lane from one lane to two lanes in each direction from SR-73 to I-605. Designed Caltrans ITS field infrastructure, temporary ITS field infrastructure supporting maintenance of traffic during construction, toll system infrastructure and coordination, street lighting, and agency traffic signal improvements along the corridor.
08/19 – 05/21	**Kansas Department of Transportation (KDOT), I-435 ITS Design, Kansas City, MO.** *Principal ITS Engineer*. Prepared the plans, specifications and estimates (PS&E) of DMS, CCTV and Radar Vehicle Detector (RVD) stations along the I-435 corridor between 87th Street and the Missouri River. The project included four DMS, 11 CCTVs, and 16 RVD stations along the corridor. There were seven existing CCTV cameras within this roadway section including two on wood poles that were replaced as part of this project. The project included design of fiber optic communications using both KDOT-owned and leased fiber systems. The project was an expansion of the existing Kansas City Scout ATMS, a bi-state freeway management system in the Kansas City metropolitan area. The purpose of the devices was to provide increased traffic monitoring, incident management, and traveller information along this route and supplement existing systems along I-70 and in the

	vicinity of the Kansas Speedway. These devices communicated with and were operated by Kansas City Scout in Lee's Summit, Missouri.
12/19 – 06/23	**OCTA, ITS and Traffic Design, Orange County, CA.** *Principal ITS Engineer*. Developed updated clearance parameters to enhance safety for vehicles, pedestrians, and bicyclists, accompanied by new coordinated signal plans that improved progression along the MacArthur Boulevard corridor without significantly increasing delays on the side streets. During construction, the project was delivered as a turnkey effort and provided engineering support to maintain adherence to schedule and compliance with plans and standards. Reviewed and approved contractor submittals and responded to requests of information (RFIs) as necessary. Migrated the City of Santa Ana from Mist to Centracs ATMS.
07/18 – 06/23	**OCTA, Brookhurst Regional Traffic Signal Synchronization Program (RTSSP), Orange County, CA.** *Project Manager.* Provided traffic signal/ITS equipment upgrades and signal synchronization along Brookhurst Street. The project included 59 study intersections along a 16.5-mile stretch in the cities of Huntington Beach, Westminster, Garden Grove, Anaheim, and Fullerton. Fiber-optic cables were installed at various segments of the corridor to close the communication gaps. Many intersections were upgraded with new controllers, cabinets, service, emergency vehicle preemptions and CCTV. Procured, configured, and tested all equipment to verify operability met project and stakeholders requirements. Assisted the City of Huntington Beach in migrating from Quicnet to Transparity ATMS, and installed a video wall for the new Avigilon Video Display Management System (VDSM).
10/19 – 06/22	**Engineering Design Services and Project Management Services, ATMS Master Plan Update, City of Corona, CA.** *Deputy Project Manager*. Prepared an update to the original Master Plan (developed in 2006) that included research on technologies for IP-addressable cameras, changeable message signs, video detection, network redesign, fiber management, data analytics, connected vehicles, and Gigabit Ethernet network. This update included a full Traffic Management Center (TMC) redesign and install, including a new VDSM.
06/14 – 06/16	**City of Eastvale, Hamner Avenue Traffic Signal Synchronization Project, Eastvale, CA.** *Lead Engineer*. Provided traffic/ITS design services for the City of Eastvale. The project involved preparing PS&E for the design of new fiber-optic communications systems along six intersections of Hamner Avenue, as well as the upgrading of VDS at two intersections. In addition to the traffic signal infrastructure improvements, developed signal coordination plans for AM, mid-day, and PM peak hours for all project traffic signals along the corridor. Provided construction support by responding to RFIs and approving submittals.
07/14 – 05/16	**City of Brea, ITS Traffic Control Technology Phase II, Brea, CA.** *Project Manager and Design Lead Engineer.* Provided ITS design and integration services to the City of Brea. Developed communication network plans to depict all ITS devices connected to the fiber infrastructure as designed by Willdan (Prime Consultant). Configured Ethernet switches implemented for proposed intersections. After construction and integration were completed, conducted end-to-end acceptance testing from the field locations to the TMC.
08/16 – 10/16	**OCTA, ITS and Traffic Design, MacArthur RTSSP, Orange County, CA.** *Construction Support Lead.* Developed updated clearance parameters to enhance safety of vehicles, pedestrians, and bicyclists, accompanied by new coordinated plans that improved progression along the MacArthur Boulevard corridor without significantly increasing delays on the side streets. During construction, followed up with the contractor to verify adherence to schedule, standards, and guidelines. Reviewed and approved contractor submittals and responded to RFIs as necessary.

PROJECT MANAGEMENT SUPPORT STAFF

Firm employed by: ARCADIS			
Name	**Mehada Dika, PMI-RMP**	Years of relevant experience with this employer	2
Title	Principal Risk Manager	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 2006 / Computer Engineering, Manhattan College	
Active registration number / state / expiration date		Project Management Institute – Risk Management Professional – #3710425 / CA / Exp. 11/2026	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Value Engineering and Cost Risk Schedule Assessments**	

Ms. Dika is a highly accomplished Principal Risk Manager leading Arcadis Risk Management practice on the West Coast. With extensive experience in developing and implementing comprehensive plans, she is adept at safeguarding organizational assets and optimizing business performance. She is skilled in conducting thorough risk assessments, analyzing potential threats and vulnerabilities, and providing strategic recommendations to senior management. Her collaborative leadership style, excellent communication, and interpersonal skills enable her to build strong relationships with stakeholders at all levels. She is committed to continuously monitoring and adapting risk management practices to drive collaboration, resolve conflicts, and promote effective decision-making. Passionate about delivering exceptional results, she aligns with the client's vision and values.

Experience dates	Experience and qualifications relevant to the proposed contract
07/23 – Ongoing	**California High Speed Rail Construction Package 2/3, California High-Speed Rail Authority (CHSRA), Fresno, CA.** *Risk Manager*. Responsible for updating and ***maintaining risk registers*** to reflect evolving settings. Providing skills in ***identifying emerging risks, analyzing their impact***, and implementing proactive strategies. ***Hosts major risk workshops*** and produces detailed cost and schedule risk analysis. Expertise includes continuous monitoring, risk mitigation, and verifying the risk register remains accurate and relevant to support informed decision-making.
02/24 – Ongoing	**Risk Management Indefinite Delivery, Quantity Contract, Metropolitan Transportation Authority (MTA), New York, NY.** *Lead Risk Manager*. Leads a comprehensive ***quantitative cost and schedule risk analysis*** on a variety of ***major MTA Design Build Projects (all greater than $100 million).*** These projects include Sandy Power Repairs to 12 circuit breaker houses, three substations and three Fan Plants, installation of closed-circuit televisions at 106 stations, and suspender rope rehabilitation. As part of the ***risk assessment process***, a separate mitigation workshop is also held for each project.
03/24 – Ongoing	**I-285 Western Express Lanes, Georgia Department of Transportation (GDOT), Atlanta, GA.** *Risk Manager*. Responsible for leading the ***implementation of risk management*** across the Western portion of GDOT's I-285 Express Lanes Program, where Arcadis is the General Engineering Consultant (GEC). Develops the Risk Management plan and leads multiple quantitative cost and schedule risk assessments.
07/23 – Ongoing	**MTA GEC Program, MTA, New York, NY.** *Risk Manager*. MTA's GEC Program includes more than 50 Line Structure, Power, Rail Facility, and Bus projects planned for procurement in 2023 and 2024. Each of these ***projects requires two risk assessments (early design and pre-procurement)***. This involves reviewing key project stakeholders, delivery dates, and the identification and scoring of project risks. From July 2023 through present, assesses cost and schedule risks and presents findings. Leads or supports risk workshops and the development of risk registers for the following projects: • Overcoating – 225 Street to 240 Street Broadway – 7th Avenue

	• Overcoating – Queensboro Plaza to 33 Street, Flushing • Overcoating – Portal to Kings Highway/Culvert • Overcoating – 75 Street – Lefferts Boulevard/Liberty Avenue • Overcoating – 5 Steel Trestle Bridges – Culver Viaduct • Overcoating – Sutter Avenue Portal to End of Line/New Lots • Coney Island Shop – Roof Repairs • Jamaica Yard Expansion • Rail Facility Elevators • Substation Roof and Enclosures • Ducts' Reconstruction
01/21 – 01/23	**Mobility Project – Engineering, Procurement, and Construction (EPC), American Telephone and Telegraph Company (AT&T), West Coast U.S.** *Project Controls Manager*. Established Plans of Execution, designed financial forecast models, and implemented performance tracking methodologies for a project valued at more than $500 million. Introduced data-driven efficiencies in construction and procurement, resulting in improved client scorecard performance across the project, spanning five different markets. Successfully renegotiated unit price client agreements, leading to an increased gross margin for the project. Analyzed market trends and competitive pricing to identify opportunities for negotiation, collaborating with cross-functional teams to develop new pricing strategies. Championed annual project controls symposiums, facilitating knowledge sharing and collaboration among project managers, engineers, and other stakeholders. Led discussions on best practices and lessons learned, enhancing project execution and efficiency.
01/18 – 01/21	**Mobility Project – EPC, AT&T, West Coast U.S.** *Project Controls/Cost Manager*. Optimized workflows and achieved successful program delivery throughout the entire project lifecycle, including preconstruction activities, progress monitoring, change order management, ***risk mitigation***, and streamlined closeout processes. Improved monthly reporting efficiency by implementing dashboards and utilizing data analysis techniques. Acted as an expert in market scope and commercial structure, serving as the liaison with the national program team. Conducted commercial awareness training sessions across multiple markets to enhance understanding of commercial structures and improve cost control capabilities. Effectively managed internal and external audit responses within established timelines, mitigating potential ***risk factors.***
01/14 – 01/18	**Mobility Project, AT&T, Northeast U.S.** *Project Controls/Scope Subject Matter Expert*. Established conceptual scope of estimates, format, and content of summaries and reconciliations, while facilitating alignment of all activities with project objectives. Prepared proposed work authorizations pricing and local client negations/agreements. Analyzed and qualified competitive subcontractor bids prior to estimation of projects. Maintained performance baseline by leveraging approved change control procedures. Deployed reporting enhancements and new reconciliation procedures. Prepared and provided trainings to all stakeholders accordingly.

Firm employed by: ARCADIS			
Name	**Anthony Dunams, PE, CVS**	Years of relevant experience with this employer	12
Title	Principal Management Consultant	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		Change Management Certification / 2010 / Advanced Practitioner, Georgetown University MBA / 2004 / Finance and Marketing, University of Oregon MS / 1997 / Environmental Engineering – Hazardous Waste Management, University of Cincinnati (Yates Fellow) BS / 2001 / Civil Engineering, Indian Institute of Technology	
Active registration number / state / expiration date		Professional Engineer – #58453 / CA / Exp. 12/2026 Certified Value Specialist – #202104030 / USA / Exp. 04/29	
Year registered	1998	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Value Engineering and Cost Risk Schedule Assessments; VE/Contractor Proposals and RFIs**	

Mr. Dunams is Arcadis' U.S. Places Director of Value Engineering and an Infrastructure Asset Management Professional with more than 32 years of experience in capital asset management (infrastructure and utilities), cost engineering, value engineering and management, infrastructure planning and component renewal forecasting, options analysis, financial engineering, strategy, and change management. His expertise has enabled large commercial, institutional, government, and municipal organizations to realize their fiscal goals focused on addressing sustainment and modernization planning, environmental and sustainability concerns, infrastructure life-cycle cost management, business/process reengineering, and rate setting/financial planning. He is leading multiyear contracts on programs such as New York State – Environment Facility Corporation Water and Wastewater Environmental Justice Program, Fairfax County – Storm Water Planning and Dam and Flood Mitigation Programs, and many contracts with the Army Corp Program, to name a few. He also leads the Arcadis Global Value and Risk Management Community of Practice.

Experience dates	Experience and qualifications relevant to the proposed contract
04/24 – Ongoing	**SR 67 from Lickskillet Road to US 49 Pavement Restoration and Safety Improvement Value Engineering (VE) Study, Mississippi Department of Transportation (MDOT), Harrison County, MS.** *Value Engineering Team Lead.* The roadway project along MS 67/SR 67 from Lickskillet Road to US 49 implements Restricted Crossing U-Turns and the superstreet concept to improve traffic flow, address anticipated growth in the area, and increase safety by minimizing conflict points. The project also includes two signalized turnarounds at local roads and lighting improvements. Pavement improvements along the corridor and a mill and overlay project will be performed separately but were included as a part of the baseline concept for the overall VE study. ***Conducted a three-day VE study for the project, and the VE team was tasked with applying the SAVE International® eight-phase Value Methodology*** Job Plan to evaluate the Office Review Design Submission prepared by Garver for MDOT. The VE team developed 13 proposals for consideration that provided cost savings, improved mobility, increased capacity, enhanced safety, and/or mitigated conflicts. The most significant alternatives address cost savings associated with eliminating unused

	J-turns along the corridor that are planned for indeterminate future developments. Arcadis believe a potential cost savings of $8 million could be gained by these VE proposals.
04/24 – Ongoing	**I-55 from SR 463 to Gluckstadt Road, Interstate Widening and Interchange Addition VE Study, MDOT, Madison County, MS.** *Value Engineering Team Lead.* The roadway project along I-55 from MS 463/SR 463 to Gluckstadt Road in Madison County includes the widening of I-55 by two lanes between SR 463 and Gluckstadt Road, interchange ramp modifications, an arterial multi-use path, four bridges and/or box culverts being impacted and/or created grade separations, drainage improvements, and other miscellaneous construction requirements. High-volume change clay soils in the project footprint drive the need for 3- to 5-foot undercut and larger borrow excavation quantities. Arcadis conducted a 4.5-day VE study for the project, and the VE team was tasked with applying the SAVE International® eight-phase Value Methodology Job Plan to evaluate the Office Review Design Submission prepared by Neel-Schaffer, Inc. for MDOT. The ***VE team developed 13 proposals for consideration that provided cost savings, improved mobility, increased capacity, enhanced safety, and protected the environment.*** The most significant alternatives address cost savings associated with modifying the traffic control approach to minimize temporary shoring used during construction; utilizing differential height median barriers to improve drainage and roadway operations and maintenance; and modifying the span arrangement at Bear Creek and its tributary to reduce the size of the bridge or utilizing box. Arcadis believe a potential cost savings of $15 million could be gained by these VE proposals.
01/22 – 06/22	**Newton Commuter Rail Accessibility Improvements, Massachusetts Bay Transportation Authority (MBTA), Newton, MA.** *Value Engineering Team Lead.* Facilitated a five-day study addressing accessibility and revising the style and look of three commuter rail stations – Auburndale, Newtonville, and West Newton. Improvements included three new fully Americans with Disabilities Act-accessible stations, National Fire Protection Association 130 compliant ingress and egress pedestrian circulation movements, new station amenities, and barrier wall improvements separating the stations from Highway 90. Estimated construction cost was $91.8 million with majority of the major cost drivers targeting fiber reinforced polymer (FRP) decking, concrete improvements to barrier walls and structural concrete, pedestrian bridges, track improvements, and polycarbonate canopy roofs. Recommendations presented included consolidating stations from three down to two or one station (ridership does not merit three upgraded stations with five new buildings), modifications to façade style and utilizing standing seam roofs, and revising design of underground stormwater detention system. ***Proposed recommendations reduced overall project costs by up to $57.5 million if reduction in stations is pursued***. Outside of reducing stations, overall station design modifications could reduce initial capital cost by $12 million while still meeting functional intent of the project. Cost reductions and other betterments accepted that increase cost but improve project functionality and operations.
06/11 – 12/11	**Lynn Commuter Station Access Improvements Project, MBTA, Lynn, MA.** *Value Engineering Team Lead.* Facilitated a three-day study addressing reliability and modernization needs for a station experiencing severe weathering and neglect along the Massachusetts coastline. Project will extend the useful life of the station by 40 years and will bring the station into compliance with all applicable codes and standards. Improvements evaluated included FRP platforms refurbished, pedestrian underpass, upgraded stairs and elevators, and architectural and mechanical, electrical, and plumbing improvements. Overall project cost was $31.7 million and key solutions presented addressed optimized station access/egress improvements, standardizing track improvements, and providing an interlocking to improve operations during and after construction. Furnished ***recommendations reduced overall project costs by $3.9 million.***

Firm employed by: ARCADIS			
Name	**Roy Cooper, PE**	Years of relevant experience with this employer	27
Title	Operations Director	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		MBA / 1999 / Business Administration, University of Connecticut BS / 1988 / Civil Engineering, Michigan Technological University	
Active registration number / state / expiration date		Professional Engineer – #0044531 / LA / Exp. 09/2026	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Value Engineering and Cost Risk Schedule Assessments; VE/Contractor Proposals and RFIs**	

Mr. Cooper is a Senior Vice President and Leader of Arcadis' Contract Solutions group in North America where he is responsible for all of Arcadis' claims and scheduling related service offerings including providing expert testimony, claims analysis, critical path method (CPM) schedule review services, constructability reviews, cost estimating, and quantitative risk assessment. He is a Professional Civil Engineer registered in Louisiana, Connecticut, Florida, Maryland, New Jersey, New York, Rhode Island, and Texas. He has more than 36 years of construction experience, managing complex road and bridge projects, including the analysis and review of complex construction claims from the beginning stages through trial support and expert testimony. Mr. Cooper excels in the role of trusted Advisor, bringing clarity to complex technical and financial issues. He has led large-scale claims evaluation assignments of almost every type, including the evaluation of schedule impacts, cost impact analysis, mediation, and claims negotiation, and has been qualified as an expert on both horizontal and vertical type projects. He has testified before District Courts similar to Louisiana on several occasions.

Experience Dates	Experience and qualifications relevant to the proposed contract
12/18 – 12/19	**CPM Scheduling Training, I-440 Widening and Improvement Design-Build Project, Tennessee Department of Transportation (TDOT), Davidson County, TN.** *Project Controls Specialist.* Provided claims avoidance and risk management consulting to the design review team and senior leadership at TDOT on this major project in Nashville. Regularly consulted with team and TDOT as project issues arose. Provided ***CPM training to TDOT personnel*** as part of this project.
12/19 – 07/20	**Claiborne Pell Bridge, Rhode Island – Turnpike and Bridge Authority (RITBA), Providence, RI.** *Project Executive/Testifying Expert*. Provided ***schedule, damage, and claims analysis*** to the RITBA. The ***$39 million project*** consisted of steel repairs and painting of this suspension bridge. The painting contractor filed an $8-million claim alleging that it was delayed and had to accelerate the work because of excessive steel repairs. The case settled during mediation.
09/21 – Ongoing	**TDOT AG Jensen Construction, TDOT, Montgomery County, TN.** *Testifying Expert*. Providing expert services to the Tennessee Office of the Attorney General regarding a dispute on a $67 million road and bridge project in Montgomery County, Tennessee. The contractor has made a $2-million delay and direct cost claim. The contractor claimed it encountered a differing site conditions while installing drilled shafts. Evaluating and making ***assessment of the technical issues, schedule delays, and alleged damages***.
12/19 – 12/21	**District 3 Bridge Repairs, Connecticut Department of Transportation (CTDOT), Stamford, CT.** *Testifying Expert*. Provided schedule, damage, and claims analysis to the CTDOT. The $4-million project consisted of rehabilitating four bridges in

	Fairfield County. The contractor filed an $8-million claim alleging that it encountered differing site conditions and that the state delayed the approval of a major temporary support system. The case settled in mediation prior to trial.
01/20 – 02/22	**TDOT Jones Brothers Memphis, TDOT, Memphis, TN.** *Technical Expert and Claims Evaluator*. Provided expert services to the Tennessee Office of the Attorney General regarding a dispute on a $15-million road and bridge project in Memphis Tennessee. The contractor made a $5-million delay and direct cost claim. The contractor claimed it encountered utility delays, abnormal flooding, and additional cost because of TDOT changes to the substructure piles. Arcadis evaluated and ***made assessments of the technical issues, schedule delays, and alleged damages***. The case settled during mediations.
10/96 – 10/97	**I-95 over Metro-North, CTDOT, Cos Cobb, CT.** *Project Superintendent* on this $13 million CTDOT project, consisting of a bridge widening on I-95 over the Cos Cobb railroad station. Responsibilities included supervision of all planning of manpower, materials, and construction operations; and the supervision of project engineering designs, CPM scheduling, and required contract submittals.
04/96 – 10/96	**Bridge Rehabilitation, CTDOT, Suffield, CT.** *Project Superintendent* and Engineer. The project involved a $5-million rehabilitation of a concrete arch bridge originally constructed in 1929. Responsibilities included design, supervision of shop fabrication, field engineering, and erection of the temporary support structure, as well as the supervision of demolition and subsequent concrete replacement activities with prominent adjacent utility considerations.
09/95 – 10/96	**Median Safety Improvements, US 15 (Merritt Parkway), CTDOT, New Haven, CT.** *Project Superintendent and Engineer.* The project involved a $4.5-million median safety improvement on a 3.5-mile stretch of US 15 (Merritt Parkway). Consisted of excavation, re-grading, and drainage systems. Responsibilities included supervision of both day and night shifts. All project planning, engineering, and scheduling functions were also done on-site.
10/94 – 08/95	**I-84 Bridge, CTDOT, Danbury, CT.** *Project Superintendent and Engineer.* The project involved a $2.5-million bridge reconstruction project on I-84. Responsibilities included supervision of both day and night shifts. All project planning, engineering, and scheduling functions were done on-site. The project consisted of structural deck, bearing, and parapet replacement, along with paving improvements.
09/89 – 04/91	**Charter Oak Bridge, CTDOT, Hartord, CT.** *Project Superintendent and Engineer.* The project involved a $52 million western approaches to the Charter Oak Bridge. The project included the interchange between I-91 and Route 5 and 15. Responsibilities included planning, scheduling, procurement, and direct supervision of numerous construction activities.

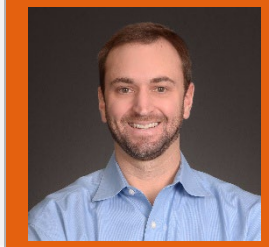
Firm employed by: ARCADIS			
Name	**Chris Carson, FRICS, FAACE, FGPC, CCM, PMP, PSP, DRMP, CEP**	Years of relevant experience with this employer	11
Title	Director of Project Controls	Years of relevant experience with other employer(s)	39
Degree(s) / Years / Specialization		MS / 1972 / Mechanical Engineering, University of Virginia – Main Campus	
Active registration number / state / expiration date		Fellow of Royal Institution of Chartered Surveyors Fellow of Association for the Advancement of Cost Engineering International Certified Construction Manager – #1212 / USA / Exp. 02/2027 Planning and Scheduling Professional – #206 / USA / Exp. 05/2027 Decision and Risk Management Professional – #15 / USA / Exp. 05/2027 Certified Estimating Professional; Project Management Professional	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Value Engineering and Cost Risk Schedule Assessments; Non-Conformance Reports (NCR)**	

Mr. Carson has 50 years of experience in road and bridge, tunnel, airport, seaport, underground utilities and site development, parking garage, municipal, commercial, industrial, rail, buildings, and energy projects. He has a strong background in all phases of construction management, specializing in scheduling, estimating, risk, and claims avoidance, forensic analysis, negotiation and resolution. Mr. Carson was a Primary Author/Editor for the Project Management Institute book, "Critical Path Method Scheduling for Construction – Best Practices and Guidelines", 2014, Contributing Author for "Construction Project Scheduling and Control", by Saleh Mubarak, 2010, and Contributing Author for the "Time Management Guidelines" and "Claims Management Guidelines" by Construction Management Association of America. He has contributed to over 90 peer reviewed publications as an Primary Author, Co-Author, or Contributing Author. Mr. Carson has testified before District Courts similar to Louisiana on several occasions.

Experience dates	Experience and qualifications relevant to the proposed contract
07/13 – 12/16	**Route 17 Yorktown Road and Bridge, Virginia Department of Transportation (VDOT), Yorktown, VA**. *Director of Project Controls.* Provided schedule review and analysis of requests for extensions of time, as well as recommendations for recovery and review of the contractor's plan to recover lost time. The improvements increased the capacity of George Washington Memorial Highway from four lanes to six lanes, with three lanes in each direction. The roadway included a raised median, curb and gutter, with a shared-use path and two existing bridges over the Poquoson River were replaced with one bridge carrying six lanes of traffic and a shared-use path. ***Mitigated 5 months of delay by proactive optimization analysis***.
05/15 – 07/17	**Route 301 Bridge over CSX Railroad, VDOT, Emporia, VA.** *Director of Project Controls.* Oversaw ***schedule review and analysis of requests for extensions of time***, as well as recommendations for recovery and review of the contractor's plan to recover lost time. The proposed improvements included construction of new southbound (SB) bridge, construction of new mechanically stabilized earth walls, abutments, and approaches, relocation of SB traffic to new bridge, demolition of existing bridge, and new alignment.

04/16 – 12/18	**Courtland Interchange, VDOT, Courtland, VA.** *Director of Project Controls*. Oversaw ***schedule review and analysis of requests for extensions of time***, as well as recommendations for recovery and review of the contractor's plan to recover lost time. The proposed improvements included construction of new bridge interchanges, and signalization, as well utility relocation.
03/16 – 11/18	**Meherrin Bridge over Route I-95, VDOT, Emporia, VA.** *Director of Project Controls*. Oversaw ***schedule review and analysis of requests for extensions of time***, recommendations for recovery, and review of the contractor's plan to recover lost time. The improvements included construction of new SB bridge, relocation of traffic to new bridge, construction of new NB bridge, relocation of NB traffic to new bridge, and demolition of existing bridges, including new alignments for both bridges.
03/15 – 07/16	**Master Utility Relocation and Construction Schedule for Route I-64/264/Newtown/Witchduck Roads Bridge and Roadway Improvements, VDOT, Virginia Beach, VA.** *Director of Project Controls*. Oversaw ***master schedule development, contract time determination schedules, schedule constructability review***. Services included meeting with client acquisition personnel, utility relocation team, engineering designers to identify partial and total takes of property, required utility relocation, impact of utilities on project start and phasing, reviewing phasing, maintenance of traffic, sequencing of operations, establishing project duration, and calculating road closure costs for incentives and disincentives. The master schedule identified the opportunity to subdivide the project into two projects, which allowed construction to start 12 months earlier than expected due to utility relocation revised sequencing. The project consisted of a major realignment of interstate highway, new bridges, closing major interchanges, and relocation of interchanges, creeks, and access roads.
04/09 – 06/12	**Hampton Boulevard Six-Lane Roadway Depression, VDOT, City of Norfolk, VA.** *Director of Project Controls*. Provided oversight for review of project ***schedule updates, facilitated risk management workshops, and reviewed update risks, as well as analyzed progress through critical path analysis and earned value management system*** and developed to track non-critical path progress. Reviewed time impact analyses for unforeseen conditions encountered during construction.
03/08 – 04/09	**Hampton Roads District Program Management System, VDOT, Hampton Roads District, VA.** *Project Controls Manager*. Provided support in the ***development and implementation of a Primavera P3e-based integrated master scheduling system*** to track approximately 30 individual project schedules, analyzed and reported on costs and resources through Earned Value Management, produced metrics for analysis of progress and predictions of completion for various District projects.
07/13 – 12/16	**Review of Scheduling Specifications, Colorado Department of Transportation (CODOT), CO.** *Director of Project Controls*. Provided ***review of CODOT scheduling specifications, including providing experience from other DOTs***, recommendations for industry-proven best practices, and lessons learned from forensic analysis. Participated in review meetings to discuss all best practices. Final product was a new scheduling specification.
11/10 – 06/11	**Route 60 (Warwick Boulevard) Project, Phase 3 Claims Analysis Review, VDOT, Newport News, VA**. *Schedule Analyst*. Reviewed the multi-million dollar claim submitted by the contractor for delay and disruption. Responsibilities included ***reviewing contractor analysis and report, developing review strategy***, assigning analysts to relevant portions of the claim, providing review of the claim to determine validity of methodology chosen, implementation of methodology, accuracy of facts, and legitimacy of schedules used in analysis.
03/11 – 08/11	**Chincoteague Bridge Four-Dimensional (4D) Schedule Analysis, VDOT, Chincoteague, VA.** *Director of Project Controls.* Responsible for the ***evaluation and rectification of the as-planned and as-built schedules, developing as-planned versus as-built schedule analysis to develop 4D modeling of the baseline schedule and as-built schedule*** in order to assess the effects of pile driving hammer issues and contractor production problems on the completion of the project.

Firm employed by. Stanley Consultants			Meets MPR No. 10
Name	**Blake Roussel, PE, PMP**	Years of relevant experience with this employer	18
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 2003 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE # 33279 / LA / Exp. 09/30/2027	
Year registered	2007	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	



Mr. Roussel specializes in managing design teams for the development of transportation infrastructure projects. Over his two-decade career in Louisiana, he has designed or managed 20+ projects for Department of Transportation Development (DOTD). His professional experience encompasses project management and construction plan preparation for complete streets and roadway design projects, in accordance with DOTD plan preparation standards. Prior to joining Stanley, he gained valuable transportation experience while employed by DOTD. Mr. Roussel is a certified Project Management Professional (PMP), which is recognized worldwide as the gold standard in project management.

Experience Dates	Experience and qualifications relevant to the proposed contract
11/18 – 04/22	**H.011137 I-12 LA 21 to US 190, DOTD, St. Tammany Parish, LA.** *Project Principal* for assisting and ***overseeing portions of the horizontal and vertical alignment design, drainage design, and sequence of construction*** with minimum temporary traffic control layout and striping according to DOTD specifications, standards and design criteria. Assisted with project management duties including coordination, quality control (QC) of plans and design, project coordination, and scheduling.
01/17 – 06/18	**Bootlegger Road Mill and Overlay and Bootlegger Road Bridge Design, St. Tammany Parish Government, St. Tammany Parish, LA.** *Project Principal* for the right-of-way mapping, soil analysis, traffic data inventory, feasibility study, ***conceptual engineering design,*** opinion of construction cost, preliminary wetland assessment, and United States Army Corps of Engineers jurisdictional determination for the mill and overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington.
01/23 – 12/25	**H.015052 I-20 Widening/Overly (Vancil Rd-LA 34), DOTD, Ouachita Parish, LA.** *Project Principal* for maintaining adequate project resources to maintain schedules and verified that ***proper quality assurance (QA) / QC procedures*** were followed.
06/15 – 09/23	**H.011781 LA 675 & LA 87 Improvements, DOTD, Iberia Parish, LA.** *Project Manager* for the overall supervision of engineers performing the survey, ***road design and plan preparation; coordinated with the owner; reviewed the plans; checked compliance with the design criteria***; and completed all required forms and documents in support of the plan package. Used design tools including MicroStation, Microsoft Excel, and HYDRWIN.
10/18 – 03/20	**H.012304.5 LCG Road Overlay Program, DOTD, Lafayette Parish, LA**. *Project Manager* for field surveying and capturing topographic features and measuring CL stationing. Developed plans, determined quantities and pay items in accordance with ***DOTD specifications, standards, and design criteria***. Used design tools including MicroStation with CadConform, Bentley InRoads, and Microsoft Excel.

10/18 – 12/19	**H.012861 Prejean Road, DOTD, Lafayette Parish, LA.** *Project Manager* for field surveying and capturing topographic features and measuring CL stationing. ***Developed plans, determined quantities and pay items in accordance with DOTD specifications, standards, and design criteria***. Used design tools including MicroStation with CadConform, Bentley InRoads, and Microsoft Excel.
06/18 – 01/21	**H.012964 US 61 Bluebonnet Blvd to S. End US 190, DOTD, East Baton Rouge Parish, LA.** *Project Manager* for the overall supervision of engineers performing the survey, ***road design and plan preparation***; coordinated with the owner; reviewed the plans; checked compliance with the design criteria; and completed all required forms and documents in support of the plan package. Used design tools including MicroStation.
03/17 – 08/19	**H.009633 LA 67 EBR P/L to 8 Miles North of EB, DOTD, East Feliciana Parish, LA.** *Project Manager* for the overall supervision of engineers performing the survey, road design and plan preparation; coordinated with the owner; reviewed the plans; ***checked compliance with the design criteria***; and completed all required forms and documents in support of the plan package. Used design tools including MicroStation.
10/16 – 09/18	**H.009508 LA 2 Caney Creek Bridge to Webster P/L - Pavement Preservation Program, DOTD, Bossier Parish, LA.** *Project Manager* for the overall supervision of engineers performing the survey, road design and plan preparation; coordinated with the owner; reviewed the plans; checked compliance with the design criteria; and completed all required forms and documents in support of the plan package. ***Used design tools including MicroStation.***
06/13 – 04/19	**Village De L'est Neighborhood, City of New Orleans, New Orleans, LA.** *Project Manager* for the roadway scoping, pavement rehabilitation design, plan preparation, construction administration, and construction resident inspection for urban local roadways. The scoping phase included preparing a Project Scope Report based on results of pavement damage inspections, review, and assessment, along with applicable rehabilitation recommendations. The scoping report included scoping plans, pavement rehabilitation quantities, pavement damage inspection photos, and a written report. Preliminary plan scope of work included milling and asphaltic concrete (AC) overlay, AC patching, Portland Cement Concrete patching, composite pavement patching, driveway repairs, sidewalk repairs, waterline repairs, utility adjustments, and sanitary sewer repairs.

Firm employed by: CDM Smith			
Name	**John Muñoz**	Years of relevant experience with this employer	12
Title	Vice President	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		BA / 1986 / Business Administration	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Initial Financial Plan; Tolling Support**	

John has over 25 years of public private partnership (P3) project delivery experience and has led technical, financial, and legal advisors through the completion of major P3 procurements. He has advised multiple state departments of transportation on program management, P3 procurement, and technical and financial document development for projects ranging from bridge replacements to managed lanes and toll bridges. Before joining CDM Smith, John served as Deputy Director of the Innovative Financing and Debt Management Office at the Texas Department of Transportation (TxDOT). He led teams responsible for financing, legal, and technical advisory services for design build and P3 projects, advancing more than $13 billion in projects, securing over $3.3 billion in Transportation Infrastructure Finance and Innovation Act (TIFIA) loans, and obtaining over $1 billion in private activity bonds. His leadership included overseeing funding availability, reviewing documents, and maintaining consistency with executive directives. John is a certified public accountant and certified internal auditor.

Experience dates	Experience and qualifications relevant to the proposed contract
12/25 – Ongoing	**Program Management for Phase I and II Engineering, Illinois Department of Transportation (IDOT), Springfield, IL.** *Advisor, Alternative Delivery Coordinator.* A team led by CDM Smith will perform program management and complete Phase I and II engineering for 180 local structures across the state. John will identify structures suited for ***alternative delivery*** and coordinate with local bridge owners so they remain informed and have opportunities to provide input during project development. He will also oversee risk management for the program, identifying risks and planning for them to reduce their impact on project delivery.
08/24 – Ongoing	**Owner's Engineer Procurement Advisory Services, IDOT, Chicago, IL.** *Senior Advisor, Technical Expert.* CDM Smith provides ***construction management, design-build, and progressive design-build alternative delivery advisory services*** and technical writing. The team is advising on and drafting Americans with Disabilities Act (ADA) modifications to non-compliant corners across two districts as part of a capital program valued at over $15 million. CDM Smith has prepared detailed technical requirements and clear instructions for request for proposals (RFPs) to help bidders submit complete and legally compliant proposals.
10/17 – Ongoing	**Public-Private Partnership (P3) Advisory Services, Illinois Department of Transportation (IDOT), Peotone and Statewide, IL.** *Advisor.* John is the project technical leader for a ***$16.1 million contract*** that directs financial, legal, and technical advisors in completing an options analysis for development and delivery, through P3 contracting methods, of 4,500 acres owned by IDOT near Peotone. The analysis includes facilitation with IDOT and project partners to define development goals, assess risks, conduct financial modeling, and evaluate economic and social impacts. After legislative action advanced the South Suburban Airport, a procurement was launched, and John led development of a request for qualification (RFQ) for P3 delivery of the proposed third airport in the Chicago land area. John also led the feasibility analysis for bundling small, simple state owned bridges across the state. Following the analysis, he and the team identified 57 structures grouped into 13

	bundles and developed cash flow estimates to support long range planning. The bridge bundling work included risk assessment, financial modeling for return on investment, and preparation of qualitative and quantitative reports with recommendations. Additional efforts ***included developing a P3 procedures manual*** and completing a feasibility analysis for potential highway lighting P3 projects.
02/21 – 05/23	**Program Management Services, Nevada Department of Transportation (NDOT), Statewide, NV.** *Advisor.* John is the project technical leader for a ***$2.1 million contract that supports capital programming, including prioritizing, funding, and developing innovative and traditionally delivered projects***. He works with NDOT to identify projects in the overall program for alternative or traditional delivery and sets target letting dates based on each project's development status and an analysis of available funding.
08/16 – 02/17	**Transform 66 P3 Audit, Virginia Office of Public Private Partnerships (VAP3), Northern Virginia.** *Advisor.* John assisted VAP3 by auditing the best value proposer for the Transform 66 project. The audit was required under the Code of Virginia Section 56 560(E) and involved reviewing and ***reporting on the public costs*** and potential liabilities that taxpayers could face.
07/14 – 12/16	**Knik Arm Crossing, Alaska Department of Transportation and Public Facilities (ADOT&PF), Juneau, AK.** *Advisor.* John advised ADOT & PF on a design-build procurement and on obtaining a $350 million TIFIA loan for a $900 million bridge project. He provided ***guidance on the TIFIA loan process and on the design build procurement approach*** with long term capital maintenance, including document development, negotiation, and selection.
06/13 – 12/16	**Rapid Bridge Replacement Project, Pennsylvania Department of Transportation (PennDOT), Statewide, PA.** *Advisor.* John assisted PennDOT by developing commercial and technical procurement documents for an ***approximately $900 million, 558 bridge replacement project with a 25-year lifecycle maintenance*** obligation. He developed instructions for the proposers, technical requirements, and a ***draft agreement for availability payment P3 delivery.*** The procurement reached commercial close on January 8, 2015, and financial close on March 18, 2015. As the first bundling project in the United States, the work required unique solutions to project challenges. John developed staggered maintenance terms so that bundles entered and exited the maintenance period based on when each bundle reached substantial completion. He also separated routine maintenance responsibilities between PennDOT and the P3 developer, with PennDOT performing routine maintenance and the developer performing capital maintenance. To obtain FHWA approval for the P3 delivery method, John created a clear path for replacing any structure that required extensive environmental work without delaying the bundle or the overall project. He developed a reserve list of structures that could be substituted as needed. FHWA memorialized this approach as a Special Experimental Project because it varied from federal regulations.
05/13 – 12/15	**Program Management Services, TxDOT, Statewide, TX.** *Advisor.* John helped update programmatic contract documents, develop guidelines, and create commercial and technical documents that incorporated lessons learned from previous procurements and practices in other jurisdictions. He prepared multiple white papers to support training for personnel ***implementing P3 and design build contracts.*** He also worked on standardizing the cost estimating process across projects by developing an Excel-based model and an instruction guide for cost estimators.

Firm employed by. ARCADIS				Meets MPR No. 25
Name	**Christopher Goddin**		Years of relevant experience with this employer	2
Title	Senior Cost Estimator		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			BSBA / 1989 / Finance, Christopher Newport University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Initial Financial Plan; Construction Drawing Review**	

Mr. Goddin demonstrates the ability to determine long- and short-term objectives, implement activities to achieve positive results, and efficiently utilize resources. His specific skill and expertise includes coordination work between trades, providing bottoms up estimates, using Heavy Construction Systems Specialists (HCSS) Heavy Bid, PlanSwift, Insite, and Sage for estimating, quality management, and leadership. His skills and experience include: Foreman/Superintendent/Project Engineer/Project Manager; total quality management/leadership; coordinating work between all trades; construction/heavy equipment; general building/transportation projects; liaison with contractors/engineers; excavation/paving/lifting equipment; engineering and surveying projects; managing budgets/maintaining financial records; building materials and supplies; proficient with Microsoft Office applications; Prolog, Primavera, and CMiC experience; estimating; HCSS Heavy Bid and Heavy Job; PlanSwift and InSite take-off software; and Sage estimating software. His key attributes include professionalism, maintaining an eye for detail, and the ability to see a project through to completion. He has excellent interpersonal and communication skills with people at all levels.

Experience dates	Experience and qualifications relevant to the proposed contract
09/22 – Ongoing	**Various Projects, Georgia Department of Transportation (GDOT), GA.** *Lead Cost Estimator*. Provides independent cost estimates for GDOT projects that Arcadis is the designer on. This ***includes bid-build and design-build projects***. Manages a team of estimators to provide a true bottoms up estimate/independent cost estimate for the projects provided. These estimates are typically based on conceptual plans and are updated at specific intervals throughout the design process.
12/23 – Ongoing	**Newark Airport, Port Authority of New York and New Jersey, Newark, NJ.** *Lead Estimator.* Provides independent cost estimates for Newark projects as requested. This includes bid-build and design-build projects***. Manages a team of estimators to provide a true bottoms up estimate/independent cost estimate for the projects provided.*** These estimates are typically based on conceptual plans and are updated at specific intervals throughout the design process.
09/22 – Ongoing	**Suffolk District, Virginia Department of Transportation (VDOT), Hampton Roads, VA.** *Construction Manager/Lead Estimator*. Reviews plans for constructability and accuracy. Put together bottoms up ***independent cost estimates and reviews*** with Engineer's. Provides insight for potential contractor means and methods. ***Manages project and task budgets and resources***. Interfaces and leads meetings with contractors, engineers, and clients to discuss means and methods of construction, points of concern, and conflicts, and provide conflict resolution.
08/17 – 09/22	**Hudgins Contracting Corporation, Hampton, VA.** *Senior Estimator*. ***Provided detailed site work cost estimates for bid-build and design-build work for the Contractor's competitive bid process.*** Project included both private and U.S. Government work, including Norfolk International Airport, Newport News/Williamsburg International Airport, U.S. Navy, U.S. Airforce, U.S. Army and U.S. Coast Guard. Performed full take-off of all aspects of site work utilizing InSite and PlanSwift. Generated

	estimate utilizing Timberline. Solicited all subcontractor and supplier quotations. Performed hand-off of projects to project team upon award. Managed assigned projects from start to finish.
11/13 – 2/17	**Curtis Contracting Inc. (CCI), West Point, VA.** *Senior Project Engineer* Managed project budget and performed Potential Change Items (PCIs) as necessary to update budget. Performed weekly and ***monthly financial reports***. Performed project projection as necessary. Worked with purchasing to facilitate all purchase orders/contracts are in order. Directed, coordinated, and exercised functional authority for the planning of all concrete operations. Communicated, modeled, and reinforced CCI culture and leadership practices with other team members. Prepared monthly invoice to owner. Prepared and negotiated change orders to owner and subcontractors as necessary. ***Prepared request for information (RFI) and submittals as necessary.***
04/17 – 08/17	**Tutor Perini Corporation, Civil East, New Rochelle, NY.** *Senior Project Engineer.* Directed, coordinated, and exercised functional authority for the planning of all site work operations. Managed assigned Field Engineer and Engineer in Training. Managed subcontractors involved in site work operations. Performed all take-off of materials to confirm quantities, and managed productions. Coordinated all import and export of material. Prepared and negotiated with Owner all Potential Change Orders related to site work. Worked with purchasing to facilitate all purchase orders/contracts are in order. Prepared RFI and submittals as necessary.
11/13 – 2/17	**CCI, West Point, VA.** *Project Manager/Lead Estimator.* Managed project budget and perform PCIs as necessary to update budget. Performed weekly and monthly financial reports. Performed project projection as necessary. Worked with purchasing to facilitate all purchase orders/contracts are in order. Directed, coordinated, and exercised functional authority for the planning of all concrete operations. Communicated, modeled, and reinforced CCI culture and leadership practices with other team members. Prepared monthly invoice to owner. Prepared and negotiated change orders to owner and subcontractors as necessary. Prepared RFI and submittals as necessary.
8/09 – 11/13	**American Infrastructure (AI), VA.** *Senior Project Engineer/Cost Estimator.* Managed project budget and performed PCIs as necessary to update budget. Worked with the project manager to perform weekly and monthly financial reports. Worked with the project manager to perform project projection as necessary. Work with the project manager and purchasing to facilitate all purchase orders/contracts are in order. Directed, coordinated, and exercised functional authority for the planning of all concrete operations. Communicated, modeled, and reinforced AI culture and leadership practices with other team members. Prepared monthly invoice to owner. Prepared and negotiated change orders to owner and subcontractors as necessary. Prepared RFI and submittals as necessary. Assisted in estimating in preparation of bids for new work.
5/00 – 8/09	**Archer Western Contractors, Ltd, Richmond, VA.** *Project Engineer and Cost Estimator*. Served as the liaison between company and owner. Prepared all correspondence to owner and subcontractors. Prepared monthly invoice to owner. Prepared contracts/subcontracts as necessary. Prepared and negotiated change orders to owner and subcontractors. Prepared RFI and submittals as necessary. Maintained all daily and monthly paperwork. Scheduled Archer-Western's work, as well as subcontractors' work. Managed project budgets ranging from $1.5 to $100 million. Performed all financial reporting to corporate. Updated and submitted projections as necessary. Assisted in estimating in preparation of bids for new work.
12/99 – 5/00	**VDOT, Williamsburg, VA.** *Engineering Technician/Project Estimator*. Inspected all phases of highway construction. Received and stocked inventory, pull, and deliver inventory per customer order.

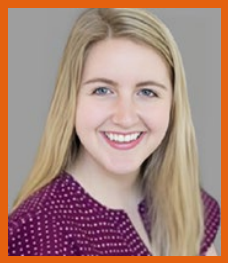
Firm employed by: CDM Smith			
Name	**Carleen Flynn, AICP**	Years of relevant experience with this employer	11
Title	Principal, Client Service Leader, Transportation Planner	Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization		MA / 1993 / Urban and Regional Planning BA / 1991 / Environmental Design	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Initial Financial Plan; Tolling Support**	

Carleen has more than 30 years of experience in transportation planning across public and private sector roles. Her work includes implementing capital transit and tolling projects, evaluating toll and managed lanes projects, and developing toll rate policies through administrative law procedures, public involvement, and land use planning. Through her project experience, she has learned that regional mobility succeeds when it offers complementary transportation options across multiple modes and technologies. She has contributed to several traffic and revenue study updates, annual reporting efforts, and the evaluation of transportation solutions*American Institute of Certified Planners (AICP - No. 012110 – Exp. 12/31/2027)*

Experience dates	Experience and qualifications relevant to the proposed contract
12/24 – 12/25	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation, Mobile, AL.** *Client Service Leader*. CDM Smith conducted an investment-grade T&R study for a new six-lane cable-stay bridge over the Mobile River and the reconstruction of five interchanges in Mobile. The project involved extensive traffic data collection and analysis, truck stated-preference surveys, StreetLight data pattern and frequency analysis, an independent economic forecast, the development of a two-county travel demand model, the impact analysis of all-electronic tolling, illustrative tolling operations costs, and rating agency support. In 2025, Carleen supported the project's contractual and resource needs.
10/24 – 04/25	**Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study, New Orleans, LA.** *Project Director*. Carleen was the project director for the Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study. The project focused on strengthening the terminal's roadway network and improving its resilience. Her expertise supported the development of a reliable and resilient transportation system to meet the region's needs.
09/22 – Ongoing	**General Traffic and Earnings (T&E) Consultant Contract, Central Florida Expressway Authority (CFX), Orlando, FL.** *Project Manager.* On this $5.3 million, four-year planning contract with CFX, Carleen oversees multiple task authorizations. Her responsibilities include developing an agency-specific travel demand model based on the CFRPM v7 under the Cube Voyager and TransCAD packages, preparing annual reports and 30-year forecasts, and completing other traffic forecasting assignments. She manages CDM Smith staff as they produce corridor concept reports, traffic design work, T&R estimates for new corridors and interchanges, toll rate setting, bond support, and annual reporting. CDM Smith was reselected in 2022 after completing two five-year General T&E Consultant contracts with CFX
09/12 – 08/22	**General T&E Consultant Contract, CFX, Orlando, FL.** *Deputy Project Manager.* On this $3.25 million five-year contract with CFX, Carleen carried out both technical and administrative responsibilities. She completed systemwide planning each year for the 125-mile toll road system, which includes SR 408 (East-West Expressway), SR 528 (Beachline Expressway), SR 417

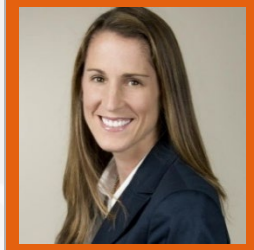
	(Central Florida Greeneway), SR 429 (Western Beltway and Wekiva Parkway), SR 414 (Apopka Expressway), and SR 538 (Poinciana Parkway). She managed the update of the travel demand model for the Orlando Urban Area Transportation Study (OUATS) Regional Model in the latest Cube Voyager software. She also updated the base year to 2010 using the most recent US Census data for the 11-county model. The new model, CFX 1.0, was calibrated and validated for the CFX system and is now used exclusively to project T&R for the system and its expansion projects.
05/25 – Ongoing	**Cape Coral Bridge Replacement Investment Grade T&R Study, Lee County MPO, Cape Coral to Fort Myers, FL.** *Project Director.* To support financing for the replacement of the Cape Coral Bridge, CDM Smith is completing an investment-grade study of the Lee County Toll Bridge System. The study involved a significant data collection effort, including a stated-preference survey, traffic counts, a speed and delay survey, and an origin-destination survey. The FDOT District 1 regional planning model will be updated with an independent socioeconomic forecast and validated for a subarea of Lee, Collier, and Charlotte Counties.
07/12 – Ongoing	**Toll Bridges General Consultant for Traffic Engineering and Bond-Related Issues, Lee County DOT, Lee County, FL.** *Project Principal.* Carleen previously served as the project manager and now serves as the project principal for this continuing services contract, which requires continual monitoring of traffic and revenue trends for three bridge crossings in Lee County: the Cape Coral Bridge, the Mid-Point Bridge, and the Sanibel Causeway. The contract includes an annual traffic and revenue report, toll rate and discount program analysis, a traffic management center dashboard, quarterly reporting, Federal Highway Administration (FHWA) certification for the Sanibel Causeway, and a biannual bridge inspection report for all three bridges. CDM Smith has held this contract for more than ten years.
07/18 – Ongoing	**T&R Consulting Services, Greater Miami Expressway Agency (GMX), Miami-Dade, FL.** *Project Director.* Carleen is directing this seven-year contract with GMX, overseeing contract management, resource coordination, and technical guidance. The contract involves T&R forecasts for the 42-mile GMX System, which includes five expressways. It requires annual updates to the system's short-term and long-term T&R forecasts, monitoring transactions and revenues on system facilities, and conducting studies that affect traffic and revenue, including the impacts of land development. CDM Smith recently supported the General Engineering Consultant (GEC) by completing a preliminary T&R study for the Kendall Parkway expansion project.
11/19 – 06/21	**SR 414 Expressway Extension Project Development and Environment (PD&E) Study, Traffic Engineering Support, CFX, Orange and Seminole Counties, FL.** *Project Manager.* Carleen led the traffic-related tasks for the PD&E study for the expressway extension of the John Land Apopka Expressway from US 441 to east of SR 434 in the median of the arterial section of SR 414/Maitland Boulevard. She coordinated the development of design traffic and microsimulation for the study with the design consultant and documented the work in a Project Traffic Analysis Report. She also contributed to the T&R estimates for the recommended alternative, which included a 30-year revenue stream and sensitivity tests for toll rates, socioeconomic data, value of time, and network enhancements.

Firm employed by. ARCADIS			
Name	**Sara Lynch**	Years of relevant experience with this employer	6
Title	Grant and Funding Specialist	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		MA / 2018 / City and Regional Planning, Georgia Institute of Technology MS / 2018 / Civil Engineering, Georgia Institute of Technology BA / 2014 / Biology, University of Mississippi	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Grant Applications and Agreements**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Lynch is a Transportation Project Manager and the Mobility Funding Lead for Arcadis. Since 2022, **she has supported clients across the U.S. to secure nearly $150 million in federal grant funding** for their transportation projects. Her strong interpersonal and management skills, bolstered by her technical background, allow her to effectively liaise with clients and manage interdisciplinary teams, supporting project success. Her technical skills include **grant writing**, **benefit-cost analysis (BCA)**, **stakeholder engagement**, and **data analysis**.
12/24 – Ongoing	**Ohio Department of Transportation (ODOT) Statewide Discretionary Grants, ODOT Office of Statewide Planning and Research, OH.** *Application Lead and BCA Advisor*. Supporting ODOT to pursue U.S. Department of Transportation (USDOT) ***discretionary grant funding*** for their planning and construction projects across the state. The team expects to ***prepare 10 to 15 grant applications*** over 24 months, supporting ODOT to ***maximize the remaining federal funding*** through the Bipartisan Infrastructure Law (BIL). Specific tasks will include narrative development, project scoping, ***BCA***, cost estimating, consensus building, and supplemental technical analysis.
01/24 – 02/24	**MEGA Fiscal Year 2024 (FY24), New York City Department of Transportation (NYC DOT), NY**. *BCA Team Lead*. Developed NYC DOT's ***FY24 USDOT MEGA application***, which was awarded $96 million to construct a 1.35-mile segment of the Inwood Manhattan Waterfront Greenway, a grade separated, two-way bike facility that will run along 10th Avenue and provide interborough connections. Quantified benefits included (1) reduced injuries and fatalities for bicyclists, pedestrians, scooters, and motorists; (2) travel time savings for transit passengers; (3) improved journey quality for transit passengers; (4) decreased mortality rates; (5) reduction in vehicle operating costs; (6) reduction in external use costs; (7) reduction in stormwater runoff and treatment costs; and (8) reduction in structural degradation and destruction of property due to flood inundation.
09/23 – Ongoing	**NYC Federal Funding Support, NYC Deputy Mayor's Office of Operations, NY**. *Liaison to NYC DOT*. Providing technical support for ***federal discretionary applications***, identifying funding opportunities through the BIL and Inflation Reduction Act, and supporting strategic planning for upcoming application cycles. Specific tasks include: 1) monitor and track discretionary funding programs; 2) complete fit-for-funding assessments to facilitate project competitiveness; 3) application and BCA development; and 4) post-award support.

08/24 – 09/24	**FY24-26 Reconnecting Communities Program (RCP), City of Jersey City, NJ**. *Application Lead*. Spearheaded the development of Jersey City's ***FY24-26 RCP Community Planning Grant application***, Sustainable Mobility in Jersey City: Morris Canal Greenway Continuity Planning, which requested funding for planning and design activities for five segments of the regional Morris Canal Greenway and Hackensack River Greenway. The greenways mitigated the impacts of surrounding interstate and rail infrastructure that posed safety risks to active modes. As Application Lead, facilitated application development with city staff, oversaw development of cost estimates, led the development of the project narrative, developed templates for supplemental application materials, and executed submittal.
01/23 – 02/23	**USDOT Discretionary Grant Application – FY23 Rebuilding America's Infrastructure with Sustainability and Equity (RAISE), New York City Housing Authority (NYCHA), NY.** *Grant and Funding Specialist*. Spearheaded NYCHA's ***BCA for NYCHA's FY23 USDOT RAISE Capital Construction Grant application***, which was awarded $25 million to install SafeMicromobility storage facilities for e-bikes and e-scooters. ***Quantified benefits*** included reduction of fatalities caused by battery combustion fires and an induced demand of bike trips.
07/23 – 08/23	**USDOT Discretionary Grant Application – FY23 Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT), NYC DOT, NY**. *Grant and Funding Specialist*. Supported development and review of NYC DOT's ***FY23 PROTECT Capital Construction Grant application***, which was awarded $15 million for the replacement of Grand Street Bridge. Conducted data analysis and provided summary statistics on the impacts of future sea level rise on the bridge, as well as accessibility and connectivity benefits for active modes across the bridge.
08/23 – 09/23	**USDOT Discretionary Grant Application – FY23 Reconnecting Communities, NYC DOT, NY**. *Lead Grant Writer* for NYC DOT's ***FY 23 RCP Planning Grant application***, which was awarded $5.6 million to further planning work on the northern and southern sections of the Brooklyn-Queens Expressway (BQE). The application focused on advancing concept proposals, such as highway capping and public realm improvements in order to mitigate the bifurcation impacts of the BQE.
08/24 – 09/24	**RCP FY24-26, NYC DOT, NY.** *Application Lead*. Spearheaded the development of NYC DOT's ***FY24-26 RCP***, Arches Plaza: Restoring the Community Fabric Under the Brooklyn Bridge, to transform abandoned space beneath the Brooklyn Bridge in Manhattan into a vibrant public plaza, which was awarded $2 million for planning activities. As Application Lead, facilitated scoping discussions with staff leaders from relevant NYC DOT departments, coordinated ***cost estimates***, oversaw the development of the project narrative and ***BCA***, developed templates for ***supplemental grant application materials***, and ***supported stakeholder coordination***.

Firm employed by. ARCADIS			
Name	**Julie Price, AICP**	Years of relevant experience with this employer	12
Title	Senior Transportation Planner; Grant & Funding Specialist	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MA / 2005 /Urban and Regional Planning, Georgia Institute of Technology BA / 2003 / Urban and Regional Planning, University of Virginia	
Active registration number / state / expiration date		American Institute of Certified Planners – #176869 / USA / Exp. 06/2027	
Year registered	2007	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Grant Applications and Agreements**	



Ms. Price has **20 years of experience as a professional urban and transportation planner**. She has worked for local and regional governments managing various programs, performing land use and transportation studies, feasibility studies, and developing streetscape plans. Ms. Price performs traffic analysis to mitigate negative impacts of major developments around the region. She identifies trends and makes forecasts related to long-range planning efforts. Ms. Price conducts surveys, workshops, and public meetings, and mediates negotiations to achieve resolutions among stakeholders and clients.

Experience Dates	Experience and qualifications relevant to the proposed contract
10/10 – 10/11	**Comprehensive Transportation Plan, Cobb County, Marietta, GA.** *Planner*. Organized and executed three focus group sessions, interviewing stakeholders and community members during the listening tour, website design and updates, and responding to inquiries via website and email. Led the Health Impact Assessment (HIA) development including ***stakeholder committee communication, meeting facilitation, and HIA review and recommendations.*** Assisted with the development of existing conditions and needs assessment, project recommendations, and project evaluation and prioritization.
09/14 – 07/16	**Cartersville-Bartow Metropolitan Planning Organization Planning, Bartow County, Cartersville, GA.** *Planner*. Responsible for compiling a wide range of options from multiple sources, including those previously identified in plans and studies, ***stakeholder input***, new options established through needs assessments, and best practices/innovative strategies for similar projects.
09/13 – 11/13	**Martin Luther King Jr. Drive Improvements, City of Atlanta, Atlanta, GA.** *Planner*. Coordinated with the city, project engineers, consultant teams, and subcontractors to craft and deliver relevant, cohesive messaging. Communicated the most relevant engineering and cost information, and ***effectively captures public input*** and comments in a way that can guide the overall project.
03/14 – 12/15	**R 5/Bright Star Road, City of Douglasville, Douglasville, GA.** *Planner*. Activities included organizing and facilitating ***stakeholder and technical committee meetings, ongoing directed communication*** with these committees to receive valuable and impactful information, preparing materials and agenda for public meetings, creating and dispersing advertisements for public meetings, existing conditions and data collection, land use and economic analysis, alternatives analysis, and recommendations.
06/19 – 09/21	**DeKalb Avenue Corridor Improvement, City of Atlanta, Atlanta, GA.** *Transportation Planning Lead*. for the Renew Atlanta Bond Program On-Call contract. Responsible for coordinating with project engineers and the City to ***confirm outreach***

	communicates the most relevant engineering and cost information, and effectively captures public input and comments in a way that can guide the overall project. In the short-term, this project includes resurfacing, removal of a reversible lane, and addition of a ***bi-directional cycle track and improved pedestrian infrastructure***.
04/14 – 05/16	**I-285/SR 400 Interchange Reconstruction, Georgia Department of Transportation (GDOT), Metro Atlanta, GA.** *Public Involvement Team Member*. Responsible for Arcadis' GDOT general engineering consultant on-call contract including operational improvements along the I-285/SR 400 interchange. Responsibilities included ***preparing materials, advertising for public information and public hearing open houses***, responding to public comment, and documentation of public information open house and land use and development review as part of the draft environmental impact statement.
10/15 – 11/21	**Atlanta Downtown Connector Feasibility Study, GDOT, Atlanta, GA.** *Transportation Planning Lead/Stakeholder Engagement Lead*. Responsible to review and evaluate various options to provide connector congestion relief and improve operations. Feasibility study included identification of corridor-wide design alternatives for 8.5 miles of interstate through the heart of Downtown Atlanta. Study identified and evaluated corridor management and capacity adding solutions to provide congestion-relief and reduce driver frustration.
01/22 – 04/22	**West Tuscarawas Street Multimodal Safety Project (Rebuilding America's Infrastructure with Sustainability and Equity [RAISE] Grant Application), City of Canton, OH.** *Project Team Leader*. Responsible for writing and developing the complete RAISE grant application. This effort included ***collaborating with various City staff***, helping secure letters of support, researching the project details, developing maps and charts to support the grant, ***developing the benefit cost analysis*** information, and writing the content for each criteria section.
01/16 – 06/16	**North Avenue Corridor (Together for Safer Roads Grant Writing), City of Atlanta, Atlanta, GA.** *Project Team Lead*. Responsible for ***writing and developing complete Together for Safer Roads grant application*** for the North Avenue Corridor in the City of Atlanta. This was a winning grant that provided additional technical support underscoring how smart improvements can improve the overall safety metrics on North Avenue. As a growing multimodal corridor connecting Georgia Tech, GDOT headquarters, Metropolitan Atlanta Rapid Transit Authority North Avenue Station, Coca Cola world headquarters, and Ponce City Market, combining vehicles, transit, cyclists, and pedestrians, the opportunities for improvement are strong.
12/18 – 04/19	**SR 15/US 441 Widening and Reconstruction (Better Utilizing Investments to Leverage Development [BUILD] Grant Writing), GDOT, Rabun County, GA.** *Project Team Leader*. Responsible for writing and developing the complete BUILD grant application for the SR 15/US 441 widening and reconstruction project for the GDOT. This ***BUILD grant application*** was submitted to the U.S. DOT. This effort included interviewing various GDOT staff, helping secure letters of support, researching the project details, developing maps and charts to support the grant, developing the benefit-cost analysis information, and writing the content for each section for the grant application.
02/16 – 06/16	**Martin Luther King Jr. Drive Corridor Improvement Initiative (Transportation Investment Generating Economic Recovery [TIGER] Grant Writing), City of Atlanta, Atlanta, GA.** *Project Team Leader*. Responsible for writing and developing the complete TIGER grant application for the Martin Luther King Jr. Drive Corridor Improvement Initiative for the City of Atlanta. This ***TIGER grant application*** was a winning grant and was funded by the U.S. DOT. This effort included interviewing various city staff, helping secure letters of support, researching the project details, developing maps and charts to support the grant, compiling the benefit-cost analysis information, and writing the content for each section.

Firm employed by. ARCADIS			
Name	**Kathrene Garcia**	Years of relevant experience with this employer	4
Title	Funding and Grants Lead	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BA / 2018 / Geography, Macalester College	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Grant Applications and Agreements**	

Ms. Garcia is a Transportation Planner at Arcadis and brings expertise in strategic funding, grant writing, benefit-cost analysis (BCA), and stakeholder coordination. Ms. Garcia has written applications for a variety of federal discretionary grant programs, such as Rebuilding America's Infrastructure with Sustainability and Equity (RAISE)/ Better Utilizing Investments to Leverage Development, Infrastructure for Rebuilding America (INFRA)/MEGA, Safe Streets for All, Active Transportation Infrastructure Investment Program and more. She has successfully led BCAs quantifying the benefits of transit, roadway, and intelligent transportation improvements. Applications she supported have funded a U.S. ports of entry, bridge reconstruction, marine terminal construction, greenway installation, mobility wallet, and various mobility solutions. She has successfully earned clients over $300 million in federal and state funding.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/24 – Ongoing	**Federal Funding Support, New York City Department of Transportation (NYC DOT), NY.** *Funding and Grants Specialist.* Arcadis serves as the liaison to NYC DOT, providing technical support for federal discretionary applications, identifying funding opportunities through the Bipartisan Infrastructure Law and Inflation Reduction Act, and supporting strategic planning for upcoming application cycles. Led BCAs and provided technical writing for a variety of transportation related projects related to bridge reconstruction, greenway expansion, and pedestrian safety improvements for a variety of federal, discretionary grant programs. Projects supported have earned NYC over $120 million in federal funds.
04/22 – 05/22	**INFRA 2022, San Diego Association of Governments (SANDAG), San Diego, CA.** *Funding and Grants Specialist.* Arcadis assisted SANDAG with a grant application to the U.S. Department of Transportation INFRA program. SANDAG requested funding for the construction of Otay Mesa East Port of Entry (OME POE), a tolled border crossing. OME POE will utilize advanced intelligent transportation systems solutions to improve efficiency and minimize wait times at the border. The project will benefit both regional and national trade and exchange across the United States-Mexico border. Participated in weekly project meetings, contributed to the project narrative, and managed the creation of graphics and final formatting of the application. SANDAG was successfully awarded $150 million during the 2022 INFRA cycle.
01/24 – 02/24	**MEGA FY24, NYC DOT, NY.** *Funding and Grants Specialist.* Supported the BCA for NYC DOT's FY24 U.S. Department of Transportation (USDOT) MEGA application to construct a 1.35-mile segment of the Inwood Manhattan Waterfront Greenway, a grade separated, two-way bike facility that will run along 10th Avenue and provide interborough connections. Quantified benefits included (1) safety; (2) travel time savings; (3) improved trip quality; (4) decreased mortality rates; (5) reduction in vehicle operating costs; and (6) resilience due to flood mitigation efforts. The project was awarded $96 million.
09/22 – 10/22	**Sustainable Mobility Alternatives for Regional Transportation (SMART) 2022, Michigan Department of Transportation (MDOT), MI.** *Funding and Grants Specialist.* Arcadis wrote the SMART grant application for the MDOT International Smart Freight Corridor project. The project requested funding to implement a smart corridor on the U.S. side of the Blue Water

	International Bridge in eastern Michigan. Such a corridor would utilize advanced intelligent transportation systems (ITS) to improve throughput and operational efficiencies at the border. Supported the development of the application narrative, streamlining the scope and writing to community and freight impact, and helped compile the final submission materials. MDOT was ultimately awarded $1.8 million.
01/23 – 02/23	**RAISE 2023, Connecticut Department of Transportation (CTDOT), CT.** *Funding and Grants Specialist.* Arcadis led the CTDOT as it prepared its grant application to the 2023 RAISE discretionary grant program. The agency requested funding for MOVE New Haven Bus Rapid Transit which will provide enhanced and new bus stops, as well as a few mobility hubs to four major transit corridors. Participated in weekly project meetings, contributed to the project narrative, and managed the final formatting, graphics, and quality control of the application. CTDOT was successfully awarded $25 million.
01/25 – 04/25	**New York State (NYS) DOT Passenger and Freight Rail Assistance Grant Program 2025, NYC Economic Development Corporation (EDC), NY.** *Funding and Grants Specialist*. Arcadis assisted the NYC EDC, preparing submission materials in support of their Hunts Point Marine Terminal (HPMT) Development Project application to NYS DOT Passenger and Freight Rail Assistance Program. HPMT will be a new marine terminal for commercial goods movement and convert truck traffic to the NYC blue highway system. Developed the BCA for NYC EDC, including separate B/Cs for the terminal's component parts including roll-on-roll-off operations and lift-on-lift-off operations. NYC EDC was ultimately awarded $10 million for construction.
01/24 – 02/24	**SMART 2024, NYC DOT, NY.** *Funding and Grants Specialist.* Contributed to technical sections for NYC DOT's FY24 SMART Stage 1 application. The project will use adaptive Transit Signal Priority (TSP) technology to address bus performance to increase reliability and traffic signal inefficiencies on major corridors of the Bronx. Led the technical merit overview to outline the problem of the existing TSP system and describe how the proposed solution would improve bus travel time and reliability. Arcadis also provided geographic information system analysis support. NYC DOT was successfully awarded $2 million of Stage 1 funding.
01/24 – 02/24	**Congestion Relief FY22-24, NYC DOT, NY.** *Funding and Grants Specialist*. Contributed to two NYC DOT's FY24 Congestion Relief applications related to 1) integrated ITS and video analytics system for arterial traffic management, and 2) a sustainable mobility wallet. Led technical research into the existing state of congestion in and around NYC quantifying the impact of congestion on travel time, the environment, and the local and regional economy. The updated arterial traffic management system will upgrade traffic signal controls to make real-time adjustments. The mobility wallet will encourage the use of bikeshare, shared e-scooter, and carshare services through its Mobility Wallet program. The projects were awarded $11.6 million and $16.9 million, respectively.
Ongoing	**USDOT Thriving Communities, United States Department of Transportation, Washington DC.** *Funding and Grants Specialist.* Arcadis is contracted under the USDOT to provides grant application technical support and assistance to several under-resourced communities across the United States. In this capacity, Arcadis provides expertise across a variety of USDOT discretionary grant programs, provides guidance to communities and builds their capacity to review Funding Opportunities and select programs that are a good fit. Reviewed community applications against the grant program merit and has provided recommendations to strengthen applications.

Firm employed by. ARCADIS			
Name	**Meredith Guidry, PE, RSP**	Years of relevant experience with this employer	4
Title	Engineer and Grant Specialist	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		Professional Engineer – #0050062 / LA / Exp. 09/2027 Road Safety Professional – #861 / USA / Exp. 07/2028	
Year registered	2021	Discipline	Transportation Engineering
Contract role(s) / brief description of responsibilities		**Grant Applications and Agreements; Traffic Engineering**	

Ms. Guidry has gained experience preparing grant applications for several federal programs, conducting **benefit-cost analyses (BCAs)**, 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. Guidry has worked on a variety of projects including crash safety analyses, volume analyses, Intersection Modification Reports, and building intersection and traffic signal models. Ms. Guidry is also familiar with the signing and marking regulations in the Manual on Uniform Traffic Control Devices. Her software skills include ArcGIS, MATLAB, and MicroStation. Ms. Guidry has completed LADOTD Traffic Engineering Process and Report Training.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/23 – 03/23	**US 190 (Vine Street) Reconstruction Rebuilding America's Infrastructure with Sustainability and Equity (RAISE) BCA, Louisiana Department of Transportation and Development (LADOTD), Opelousas, LA**. *Grant Specialist*. Project included providing support in the ***preparation of a RAISE grant application*** for DOTD for the reconstruction of Vine Street in the City of Opelousas. The project aimed to reconstruct Vine Street to meet current design standards, addressing roadway deficiencies, sub-surface utility, clear zone, and corridor inadequacies, while supporting safety for vehicles and pedestrians. Responsibilities included the development of the ***BCA*** and accompanying report for the ***grant application*** following the U.S. DOT's Guidance for Discretionary Grant Programs. Participated in the development and final review of other grant proposal documents, including the project narrative, budget, and merit criteria documents, as detailed in the U.S. DOT's ***Notice of Funding Opportunity (NOFO)*** for the 2023 Raise Program.
7/23 – 11/23	**I-10: US 90 Bus. To Elysian Fields (NO) Project FY22 Reconnecting Communities Pilot (RCP) Discretionary Grant Program, LADOTD, New Orleans, LA**. *Grant Specialist*. Developed a ***Capital Construction Grant Application*** that told a compelling story to highlight project elements that aligned with the U.S. DOT's priorities. The project's scope of work involved a set of improvements to reclaim a New Orleans neighborhood riddled by historic inequities into a cultural amenity that serves to reconnect the sides of the divided neighborhood. The application included details on the project's funding and readiness, a description of the neighborhood's rich cultural history, a project overview, and letters of support from local stakeholders. The application also responded to seven merit criteria according to the RCP Program's NOFO, including ***Equity and Environmental Justice***; Access; Facility Suitability; Community Engagement and Community-Based Stewardship, Management, and Partnerships; ***Equitable Development***; ***Climate and Environment***; ***Workforce Development and Economic Opportunity***.

04/23 – 06/23	**Charging and Fueling Infrastructure (CFI) Grant Application, Electrify MUSIC City: Municipality Upgrades for Stations and Integrated Charging, Nashville Department of Transportation, Nashville, TN**. *Grant Specialist*. Developed an ***EV grant application*** for the CFI Discretionary Grant Program for the City of Nashville's Department of Transportation's Electrify MUSIC City project, which aimed to establish a reliable and accessible Electric Vehicle Charging Infrastructure (EVCI) network for the Nashville community. The project involved conducting technical studies and developing four deliverables, including ***budget information and cost estimates*** for the program, ***merit criteria***, ***project narrative***, and ***project readiness***, which all focused on safety, climate change, equity, workforce development, and the vision of the CFI program. Geographic information system was used to identify gaps across the existing EVCI network and determine optimal locations for the installation of EVCI using a set of parameters including flood zones, ***disadvantaged communities***, population density, median income, railway stations, highway network, and existing EVCI network. Additionally, the services addressed risks and strategies for deployment, including public engagement and compliance with regulations like ***American with Disabilities Act (ADA) and Justice40***.
04/22 – 08/22	**EV Charging Infrastructure Deployment Plan and Alternative Fuel Corridor Grant Program Nominations, Mississippi Department of Transportation (MDOT), Jackson, MS**. *EV Specialist*. Assisted in the development of the ***alternate fuel corridors nominations*** for MDOT. Provided multiple deliverables that reported on high-level corridor information, including metropolitan areas and intermodal facilities along the corridor, corridor connectivity with the national network, ***census and demographics data for equity analyses and considerations***, utility data/electrical grid requirements to identify needs and potential challenges for EV charging station deployment, existing and future state-wide conditions that affect EV adoption and operation, known risks and challenges for EV deployment, ***assessment of state's use of federal funding from the National Electric Vehicle Infrastructure Formula Program*** measured by the amount of charging leveraged per federal dollar, ***engagement with rural***, ***underserved***, ***and disadvantaged communities***, emergency and evacuation needs, state and federal civil rights laws (including Title VI of the Civil Rights Act, the ADA, and Section 504 of the Rehabilitation Act), labor and workforce considerations, and the schedule and plan for evaluating performance in achieving five-year goals and vision.
08/24 – Ongoing	**Strategic Fleet Electrification Plan, Government of the District of Columbia, Washington DC**. *Grant Specialist*. Developed a ***fleet electrification roadmap***, prioritizing locations for EV charging infrastructure through detailed site and fleet assessments. Conducted a ***total cost of ownership analysis***, evaluating financial models, ***grants***, incentives, and potential carbon credits. Provided recommendations on vehicle, charger, and software selection, and optimized site designs for redundancy, resiliency, and energy management. Assessed vehicle-to-grid feasibility and market opportunities.
06/22 – 03/23	**Fleet Electrification Plan, San Jose Water Company (SJWC), San Jose, CA.** *Grant Specialist*. Assessed the client's fleet use and operations, fleet operational constraints, and facility needs potentially impacting EV adoption. Compiled a list of currently available and soon-to-be available electric vehicles and electric, light-, medium- and heavy-duty trucks that could potentially replace the client's gasoline-powered fleet of 225 vehicles. Performed a ***total cost of ownership analysis*** for major vehicle classes and a 10-***year budgetary cost estimate*** that considered the planning study, design and engineering work, construction and implementation, and additional operational costs. Developed an ***EV implementation plan*** that provided a detailed roadmap, schedule, and financial plan for deploying EVs and charging infrastructure. Aided the client in updating current vehicle policies and replacement schedules to better serve an electric fleet.

Firm employed by. ARCADIS			
Name	**Laura Hartley, PE, PTOE**	Years of relevant experience with this employer	14
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering, University of Mississippi	
Active registration number / state / expiration date		Professional Engineer – #0039030 / LA / Exp. 09/2026 Professional Traffic Operations Engineer – #4322 / Exp. 11/2026	
Year registered	2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Grant Applications and Agreements; ITS**	

Ms. Hartley's experience includes developing intelligent transportation system (ITS), traffic, and transportation planning projects for various Departments of Transportation and municipalities across the Southeast. Her ITS experience and responsibilities include a wide range of activities from overall program management and the initial planning and systems engineering analysis to design development, software requirements, implementation, integration, construction, operations, and maintenance. She has led several ITS architecture projects, developed multiple Transportation Systems Management and Operations (TSMO) Master Plans, ITS Master plans, ITS Benefit Cost Analysis (BCA), and **Grant Applications**.

Experience Dates	Experience and qualifications relevant to the proposed contract
04/23 – 06/23	**Charging and Fueling Infrastructure (CFI) Grant Application, Electrify MUSIC City: Municipality Upgrades for Stations and Integrated Charging, Nashville Department of Transportation (NDOT), Nashville, TN**. *Grant Specialist*. Developed an ***electric vehicle (EV) grant application*** for the CFI Discretionary Grant Program for the City of NDOT's Electrify MUSIC City project, which aims to establish a reliable and accessible Electric Vehicle Charging Infrastructure (EVCI) network for the Nashville community. The project involved conducting technical studies and developing four deliverables, including ***budget information and cost estimates*** for the program, ***merit criteria***, ***project narrative***, and ***project readiness***, which all focused on safety, climate change, equity, workforce development, and the vision of the CFI program. Geographic information system was used to identify gaps across the existing EVCI network and determine optimal locations for the installation of EVCI using a set of parameters including flood zones, ***disadvantaged communities***, population density, median income, railway stations, highway network, and existing EVCI network. Additionally, the services addressed risks and strategies for deployment, including public engagement and compliance with regulations like ***American with Disabilities Act and Justice40***.
01/23 – 03/23	**US 190 (Vine Street) Reconstruction Rebuilding America's Infrastructure with Sustainability and Equity (RAISE) Grant BCA, Louisiana Department of Transportation and Development (LADOTD), Opelousas, LA.** *Project Manager and Senior Transportation Engineer*. Project included providing support in the ***preparation of a RAISE grant application*** for DOTD for the reconstruction of Vine Street in the City of Opelousas. Served as the Subconsultant Project Manager and Senior Engineer in the development of the ***BCA for the grant application***. Provided input and review on the project narrative, budget, and merit criteria documents.
10/22 – 12/22	**Sustainable Mobility Alternatives for Regional Transportation (SMART) Grant Application for US Highway 80, Mississippi Department of Transportation (MDOT), Jackson, MS.** *Project Manager*. Provided project coordination, quality assurance and quality control (QAQC), and oversight for the ***development of a SMART grant application*** along US Highway 80 in Brandon and Hinds counties. This project was aimed to improve existing mobility and safety along the corridor by implementing a pilot regional traffic operations program and upgrading deteriorating and end-of-life equipment through this historically disadvantaged

	community. Responsible for coordinating with MDOT in submitting all required materials and forms in addition to providing QAQC and local knowledge to the grant narrative.
03/07 – 06/15	**ITS Integrator, Task 1: Program Management, MDOT, Jackson, MS.** Responsibilities included providing program level project management services and coordination, tracking, and reporting of ITS related projects, providing document control, developing program reports, developing outreach and marketing materials, ***developing grant applications***, presentations and award submittals, and coordinating with other consultants and vendors. Developed or assisted in the development of the several grant applications under this project including a ***successful Transportation Investment Generating Economic Recovery Grant application for MDOT***, ***LADOTD*** and ***Arkansas Highway and Transportation Department***. Also responsible for the development of several ITS policies under this task including document control and change management policies and for the development of systems engineering analyses for over 15 MDOT ITS projects developed during this period.
03/07 – 06/15	**ITS Integrator Task 2: Planning Documents, MDOT, Statewide, MS.** *Project Engineer*. Task 2 included providing updates to existing ITS planning documents and developing several new planning documents. Assisted in the development of the first statewide ITS architecture and four regional architectures, the development of the ***strategic deployment plan***, the development of the ITS master plan guidelines document, along with other planning documents. Led the development of the update to the statewide ITS architecture and associated ***stakeholder workshops***, combining the four regional architectures to form one all-inclusive document. Developed a project-specific website to engage stakeholders, solicit additional feedback and ***promote a knowledge exchange*** as part of this effort.
10/19 – Ongoing	**TSMO Program Planning and ITS Architectures, Texas Department of Transportation (TXDOT), San Antonio and Corpus Cristi, TX.** *Senior Transportation Engineer*. This project includes developing TSMO Program Plan and Architecture updates for TXDOT San Antonio District and the ITS Architecture for the Corpus Christi District. The program plan aims to institutionalize TSMO within the District by integrating traffic operations within planning, design, construction, operations, and maintenance activities. Through ***close collaboration with TXDOT leadership***, a five-year roadmap for the District to improve capabilities in six TSMO dimensions and areas of traveler information, signal coordination, work zone management, and traffic incident management was developed. Efforts are currently underway to update the ITS Architectures. The focus of the ITS Architecture is to establish a framework to help regional stakeholders deploy and integrate their vast ITS infrastructure. Responsible for ***identifying focus areas*** and reviewing ***CMM assessments*** as part of the TSMO program plan. Also responsible for providing senior oversight, evaluating regional transportation needs and identifying suitable ITS service package for the architectures, as well as for developing ***Stakeholder Engagement Plans*** and supporting the ***stakeholder workshops***.
12/15 – 01/17, 02/16 – 01/18	**West Central Region and North Region TSMO Conceptual Master Plan, Alabama Department of Transportation (ALDOT), North and West Central Region, AL.** *Project Manager and Project Engineer* for the development of TSMO Master Plans for ALDOT's West Central Region and North Region. Each project included the development of an existing system description and needs and ***benefit analysis***, deployment recommendations, analysis of high traffic and safety hot-spots, existing deployments, proposed deployments and proposed diversion routes, a regional systems engineering analysis, ***stakeholder meetings***, and ***a TSMO Conceptual Master Plan***. The documents focused on the areas of freeway and arterial management, emergency/incident management, special event management, traveler information, freight management, travel weather management, and work zone management. Responsible for serving as the Project Manager and Project Engineer, providing ***project oversight and reporting***. Coordinated with team member to analyze the existing system and needs, led ***multiple stakeholder meetings and workshops***, and responsible for the development of each Systems and Engineering Analysis and final TSMO Conceptual Master Plan Documents.

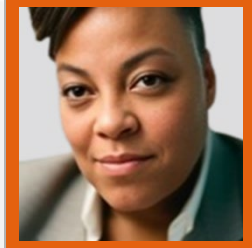
Firm employed by. ARCADIS			
Name	**Suberina Jocelyn**	Years of relevant experience with this employer	4
Title	Project Controls Schedule Lead	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		AS / 2001 / Design, Bauder College	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Project Controls - Scheduling**	

Ms. Jocelyn has 26 years of experience working on large, heavy civil alternative contract projects. Having worked in transportation, energy, and water sectors, Ms. Jocelyn has been involved in the planning and construction of complex scopes including the coordination of design, construction, commissioning, and reporting the program/project metrics for leadership to review. She is managing the controls group in Tennessee facilitating workload distribution of schedules, estimates, and claims, provides quality assurance/quality control (QA/QC), and verifies that the deliverables are met. Ms. Jocelyn has professional qualifications which include OSHA 30-Hour, Level 1 Fundamentals of Erosion Prevention and Sediment Control – GA, and Certified Signal Person.

Experience Dates	Experience and qualifications relevant to the proposed contract
07/25 – Ongoing	**2nd Ave Subway Tunnel, Metropolitan Transportation Authority (MTA), NY**. *Schedule Lead.* Overseeing the internal schedule to ***coordinate design activities and submittals***, supporting timely submission of design packages for each project phase. Managing contractor changes for efficiency in design execution.
03/24 – Ongoing	**I-10 Calcasieu River Bridge P3, LADOTD, LA**. *Schedule Support.* Developing and managing a shadow schedule, independent of the design partners' schedule, to track frag nets, specific events, and conditions contributing to project schedule overruns for Arcadis and generate relevant and factual data supporting fair and evidence-based time determinations. Conducting weekly updates with design leads and participated in design meetings to identify and address gaps in project planning, scheduling, and execution, thereby ***enhancing risk management processes***.
10/24 – Ongoing	**I-286 West Interchange Improvement, Georgia DOT, GA.** *Schedule Lead.* Overseeing the internal schedule to coordinate design activities and submittals, ***supporting timely submission of design packages*** for each project phase. Managing contractor changes for efficiency in design execution. Managing weekly schedule updates.
03/24 – 08/24	**SR 400 Express Lanes P3 Tender Stage, Georgia DOT, GA**. *Schedule Lead.* Managed the schedule to deliver the early works package for NTP 2 and NTP 3, the Advance Design Package (ADP), Cost Effective Design Packages (CED), and ATC.
03/22 – 03/24	**Seagen, Inc./Pfizer, Inc., WA**. *Senior Project Scheduler.* Developed and maintained master program schedules in Primavera P6, ***tracked project throughout life cycles, coordinated with stakeholders***, developed and presented reports, lead change management, and risk management processes and implementation, and developed schedule management dashboard. Used EVM, CPM, and DMA 14, to review general contractors' schedules and update master program schedule with relevant data. ***Mitigated risks and change management with actual savings of approximately $1 million*** in one change order. Provided bi-weekly and monthly reports on project health and offered recommendations for acceleration and risk management.
06/21 – 03/22	**CNU315, TDOT, Region 2, TN.** *Senior Construction Manager/Senior Scheduler*. Responsible for reviewing and providing QA/QC of schedules for accuracy and quality, including logic, durations, etc.; reviewing time impact analyses for accuracy

	and quality and verifying validity; attending weekly contractor meetings; and confirming the schedules follow all department specifications and various other contract documents, such as plans. Also included contract management from the owner's side, project budget management, and claims resolution and management.
06/21 – 03/22	**Jefferson Pike, (CNU922), TDOT, Region 3, TN.** *Schedule Reviewer and QA/QC.* Helped to evaluate that the contractor's submitted schedule is compliant with TDOT specifications and contract document, and verifies the requested time is merited. Reviewed monthly schedule updates providing a review report with schedule improvement recommendations and trends. Worked alongside TDOT to help the contractor implement contract requirements for Primavera P6. Reviewed delay activities and time extension requests.
06/21 – 03/22	**US-129/SR-115 Alcoa Highway (CNU029), TDOT, TN.** *Schedule Reviewer/Claims Analyst*. Represented TDOT in the review and analysis of a $1 million delay and change of conditions claim by the contractor regarding, a change to add an access road for several driveways along the mainline.
06/21 – 03/22	**SR-332 (CNS009) Concord Road, TDOT, TN.** *Schedule QA/QC.* Performed schedules reviews and developed reports of a 1-mile road improvement project including the construction of a concrete I-beam bridge.
06/21 – 03/22	**US-11 (CNT014) Broadway Viaduct, TDOT, TN.** *Schedule Reviewer*. Monthly schedule review of a .234-mile bridge replacement project including the construction of two concrete I-beam bridges over Norfolk Southern Railroad including retaining walls and lighting.
06/21 – 03/22	**TDOT Schedule Management/Construction Division, TDOT, TN.** *CPM Schedule Trainer.* Worked closely with TDOT to provide a CPM Scheduling Training and Workshop for TDOT Construction employees. The focus of the training was to help grow TDOT employee's understanding of a ***Critical Path Method (CPM) schedule baseline review, update review, and delay analysis*** conforming to TDOT specifications. This training helped the department's construction division have a better understanding of both how to use the schedule as a method of communication with the contractor, and how to determine some potential delays.
06/21 – 03/22	**Special Projects – SR-316 Bundles 1, 2, and 3 Pre-Let Design Schedule, GDOT, GA.** *Project Scheduler.* Worked closely with the PMC and GDOT staff to provide a pre-let design schedule to track the environmental permits, initial design, costing plans, and the RFQ/RFP procurement process for a design-build project.
06/20 – 06/21	**Big Creek Water Reclamation Facility, Georgia DOT, GA**. *Senior Project Scheduler.* Managed cost loaded schedule in Primavera P6 by updating submittals, procurement, and construction activities, and submitting to third party for review and acceptance monthly for payment. Communicated with construction team, vendors, design consultants, and subcontractors to gain relevant information in updating the schedule. Managed submittal process in Primavera contract manager. Managed schedules in BIM 360.
07/14 – 06/20	**Various GDOT Roadway and Bridge Construction Projects, C.W. Matthews Contracting Co., GDOT, GA.** *Senior Project Scheduler.* Developed baselines and maintained schedules from estimate to completion for all roadway/bridge jobs, design build, A + B contracts, and traditional design-bid-build. Performed monthly schedule updates with timesheet management system, site verifications, and project management forecasting. Developed and maintain monthly reports to forecast crew needs for all divisions of company and presented data at monthly executive meetings. Developed detailed project estimates for GDOT proposals by performing take-offs in Bluebeam, and developing project mosaics.

Firm employed by. ARCADIS			
Name	**Carolyn Matthews**	Years of relevant experience with this employer	2
Title	Document Control Specialist	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BA / 2003 / Psychology-African Studies, Rutgers University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Project Controls - Document Control**	



Ms. Matthews is an experienced Office Administrator with a demonstrated history of working in the civil engineering industry. She is skilled in Adobe Acrobat, BlueBeam Revu, Legal Research, SharePoint, Microsoft Office, and Legal Writing. She is a strong administrative professional with a degree focused in Psychology and African American Studies from Rutgers University – Newark. She is a public notary for the state of New Jersey.

Experience Dates	Experience and qualifications relevant to the proposed contract
03/24 – 01/25	**General Engineering Consultant for Infrastructure Work, Metropolitan Transportation Authority – Construction and Development (MTA C&D), New York, NY.** *Document Control Manager.* Monitored and distributed comment responses to design submissions. Logged and verified the project library of Division 4 specifications. Maintained and formatted for project use the specification library in SharePoint and ProjectWise. Proofed, edited, and formatted project's specifications to meet client guidelines and standards. Assisted in creating a workflow process between quality controls, project controls and document control for efficient review and submission, including training. Assisted in creating training module for the project engineer and design staff regarding the submission of Division 4 specifications and with any additional submission work deemed necessary. Assisted with ProjectWise registration and log-in assistance. Utilized ProjectWise, SharePoint, Bluebeam Revu, and Microsoft application.
01/23 – 03/24	**Escalator Replacement Program (17 Escalators Across Six Stations Systemwide), MTA C&D, New York, NY.** *Document Control Specialist.* Oversaw receipt, distribution, and storage of project documents. Maintained consistent filing nomenclature structure to support efficient indexing and retrieval. Maintained a comprehensive log of all correspondence, project submittals, Request for Information (RFIs), and Non-Conformance Report (NCRs). Maintained secure binders of physical copies of all project deliverables including work plans, design packages, meeting minutes, and correspondence. Drafted, finalized, and transmitted client correspondence to the contractor. Performed document reviews within contractual time-constraints. Drafted and finalized all weekly and monthly design and construction progress reports for client review. Utilized SharePoint, Asite, Bluebeam Revu, and various Microsoft applications and monthly design and construction progress reports for client review.
04/22 – 01/23	**Life Cycle Replacement of Code System – Phase 1 Project, MTA C&D, New York, NY.** *Office Engineer/Document Control.* Collaborated with the Project Management Consultant (PMC) Team. Responsible for the daily report of field workforce, coordinating all meetings between the MTA, PMC, and the contractor. Updated, finalized, and distributed meeting minutes. Reviewed and distributed all submittals, RFI, NCR, and correspondence via Asite and email. Drafted and distributed

	correspondence from the owner to the contractor and contractor to the owner. Maintained and conducted weekly submittal, RFI, NCR, and correspondence logs to present at a weekly meeting. Drafted monthly and quarterly progress reports for submission to MTA C&D. Assisted with compiling and presenting project data in response to project audit.
02/21 – 03/22	**Americans with Disabilities Act Accessibility Upgrades and Station Renewal Program, MTA C&D, New York, NY.** *Document Control Specialist.* Performed administrative duties as needed liaising between the PMC team and the client in matters concerning onsite access, contractor invoicing, subcontractor labor hours, and project budget review. Assisted in processing claims for out-of-scope work (change orders) and attended negotiation meetings for records management. Monitored time of review to support submittals and submittal comments are replied to within contract specified guidelines. Managed document workflows to maintain the relevant discipline group received and returned comments within the contracted time constraints.
01/18 – 11/20	**Enhanced Station Initiative Program – Packages 2, 8, and 9, New York City Transit Authority (NYCTA), New York, NY.** *Office Administrator.* Attended weekly field office meeting to report construction progress to the client and advised on out of scope work as needed. Gathered, reviewed, finalized, and submitted additional work order packages for payment processing, completing approximately 140 packages. Coordinated daily with the HNTB field office and NYCTA on the progress of documents related to the submittal of additional work. Attended all negotiation meetings for records management.
02/16 – 06/18	**I Goethals Bridge Rebuild Project, Port Authority of New York and New Jersey (PANYNJ), Elizabeth, NJ.** *Document Control Specialist*. Functioned as an administrative liaison between the contractor, designer, developer and the owner (PANYNJ). Monitored and directed project documents from the initial point of submission through final approval by the owner. Managed submission conformance to Authority standards and requirements; soft and hard copy submittal transmission on a consistent and efficient basis to the owner, adhering to all security and confidentiality protocols and back to the designer and builder within project mandated timeframes. Processed feedback concerning workflows, metadata tagging, and performance concerns. Maintained SharePoint libraries used to transmit, store and archive all submissions, and manuals and correspondence consistency and relevance. Responsible for maintaining and reporting to the owner the security clearances and credentials for all on-site personnel.

Firm employed by: ARCADIS			
Name	**Jennica Dycus, PE, PSP**	Years of relevant experience with this employer	5
Title	Principal Claims Analyst	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS / 2010 / Construction Engineering, Purdue University	
Active registration number / state / expiration date		Professional Engineer – #120830 / TN / Exp. 01/2028 Planning and Scheduling Professional – #02625 / USA / Exp. 03/2027	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Project Controls - Scheduling**	

Ms. Dycus has 15 years of experience working on large, heavy civil alternative contract type projects. Having worked in both the transportation and energy sectors, she has been involved in the planning and construction of complex scopes including the coordination of design, construction, and commissioning. She is a member of the following professional organizations: American Society of Civil Engineers (ASCE), Association for the Advancement of Cost Engineers (AACE), and Tennessee Society of Professional Engineers. Other professional qualifications include: Planning and Scheduling Professional (PSP), ACI Concrete Field Testing Technician – Grade 1, ATSSA Traffic Control Technician and Supervisor, NCCCO Certified Rigger Level 1, NCCCO Certified Signal Person, and Safety Certified Transportation Project Professional (SCTPP).

Experience Dates	Experience and qualifications relevant to the proposed contract
06/21 – Ongoing	**Alcoa Highway (CNX074) SR-115 from Woodson Dr to Cherokee Trail Interchange, TDOT, Region 1, Knox County, TN.** *Constructability Review & Construction Time Determination Scheduler (July 2021 to June 2022), Senior Construction Schedule & Claims Avoidance & Mitigation Analyst (November 2024 to Present)*. Arcadis reviewed the complex design of a 1.5 mile corridor widening project including the review of design drawings, and completing a constructability assessment to assist TDOT in evaluating alternative designs, risks to the project, and contract provisions. Reviewed the plans, provided feedback on the design to the designers and provided a Construction Time Determination (CTD) schedule for the project team to assist in determining contract time, phase durations, and intermediate milestones. Currently, Arcadis is providing monthly schedule review services with claim mitigation consulting for this 1.5 mile corridor widening project. Project consists of several phases of traffic control which must coordinate with a large local hosptial located adjacent to the project and necessitating close coordination for utility relocations, ramp and lane closures, and paving activities. Additionally, the project has incurred several design changes to more than 20 retaining walls on the project which have impacted the overall completiond ate. Worked to review the schedule submissions and time extension requests from the Contractor.
08/19 – 11/22	**Construction Engineering and Schedule Training, TDOT, Statewide, TN.** *Senior Project Controls & Scheduling Trainer.* CPM Scheduling Training and Workshop for TDOT Construction employees. The focus of the training was to help grow TDOT employee's understanding of a CPM schedule baseline review, update review, and delay analysis conforming to TDOT specifications. More than 300 hours of additional training was provided to provide a database of recordings which incorporate change management and claims mitigation into the baseline schedule review, monthly schedule review, and project delay analysis.
09/20 – 10/23	**CNP-230 US-27 Dement Claim, Tennessee Office of Attorney General, Hamilton County, TN.** *Construction Principal Claim Analyst.* Tennessee Office of Attorney General engaged Arcadis to analysis a claim for alleged delays and additional costs for a road widening project on US-27 over the Tennessee River in Hamilton County ($152 million). Analyzed and consulted on

	damages and delays including the analysis of project schedule and delays, and cost data. Participated also in the claim mediation and settlement.
06/20– 05/22	**Design-Build Standard Guidance Revision and TDOT Training, TDOT, Statewide, TN.** *Senior Project Controls & Scheduling Trainer.* Worked closely with TDOT to ***revise and update the Design-Build Standard Guidance(Contract Books) for the Design-Build program.*** This included reviewing the existing guidance, working with TDOT personnel on lessons learned, and reviewing DB programs in other states to update the current DBSG, and populating example forms. The roll out of the revised DBSG also included full day training sessions for each of TDOT's four regions which included more than 200 individuals.
12/24 – Ongoing	**Progressive Design Build Nolichucky Bridge Emergency Replacement Project, TDOT, Alternative Delivery, Washington & Greene Co., TN.** *Senior Construction Schedule & Claims Avoidance & Mitigation Analyst.* Arcadis is providing expert services to the ***Alternative Delivery Office*** regarding a ***Progressive Design-Build project for the emergency replacement of two bridges*** which were destroyed by Hurricane Helene. This is only the second Progressive Design-Build for the state and the project is proposed to complete the reconstruction in less than one year after the storm occurred. Reviewing the pre-construction and construction schedules and any future delays.
06/24 – Ongoing	**I-90/US-52 (SP 5580-99) Widening & Safety Improvement Project, Minnesota Department of Transportation (MNDOT), Rochester, MN –** *Senior Construction Schedule and Claims Avoidance and Mitigation Analyst.* Arcadis is providing CPM review services to the ***MNDOT for this $27 million***, 1.8-mile improvement project at the interchange of I-90 and US-52. As Arcadis Project Manager and responsible for evaluating the technical issues, ***monthly schedule submission and any alleged delays***.
11/22 – 06/24	**Build It Back – Volmar Construction Claim, Build it Back Program, New York City (NYC) Law Department, New York City, NY** – *Construction Principal Claims Analyst.* The NYC Mayor's Office of Housing Recovery Operations engaged several contractors to rehabilitate private one-to-four-family homes that had been destroyed or damaged by Hurricane Sandy. Using a Job Order Contract program, the City issued individual Job Orders to one of these contractors for repairs to over 1,300 properties. This included approximately 124 more substantial projects that involved raising or elevating the dwelling as a preventative measure for future flooding. The contractor submitted a $30 million claim for alleged contract balance and extra work. The NYC Law Department engaged Arcadis to evaluate liquidated damages and provide an expert report. Served as a Senior Claims Analyst and Project Manager, coordinating Arcadis' team of analysts, providing quality oversight and consistency, and regularly coordinating with the Law Department and City personnel.
02/24 – Ongoing	**SR-149/SR-13 Road Widening, TDOT, Clarksville, TN** – *Principal Claims Analyst.* Arcadis is providing expert services to the Tennessee Office of the Attorney General regarding a dispute on a $67 million road and bridge project in Clarksville, Tennessee. The contractor submitted a $600,000 delay and direct cost claim, alleging utility delays while widening the roadways that are connected to the bridge. Evaluated the technical issues, schedule delays and alleged damages. Participated in fact finding interviews with Subject Matter Experts and presented the findings to the State.

Firm employed by. ARCADIS			
Name	**Dibya Maheswari**	Years of relevant experience with this employer	16
Title	Senior Management Consultant	Years of relevant experience with other employer	5
Degree(s) / Years / Specialization		BE/ 2013 / Civil Engineering, Anna University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Data Analytics**	

Ms. Maheswari is a Senior Digital Consultant with experience in Data Engineering, Data Visualization, Data Management, Product Development, Product Consulting, Project Management, and Digital Consulting. As a Digital Consultant, she helps clients solve project issues through data analytics and data visualization with a focus on User Experience/User Interface. Using power apps, she builds interactive Power Business Intelligence dashboards, Power Apps, and Power Automate solutions for a variety of client projects. Additionally, with the onset of COVID-19 in 2020, she led the development and implementation of Arcadis' Client Experience (CX) 360 product as both an owner and developer — an immersive experience where clients can hold virtual, public meetings, trainings, and seminars from anywhere. It provides a safe and sustainable approach to connecting with stakeholders. She developed various prototypes using CX Portal to identify feasibility and viability for offering this interface. Ms. Maheswari also engaged in product research, product development, and implementation of key CX 360 capabilities.

Experience dates	Experience and qualifications relevant to the proposed contract
04/23 – Ongoing	**Workload Portal, Georgia Department of Transportation, Atlanta, GA.** *Power Platform Developer.* Optimized staff and resource allocation for the Ecology Department, which used an existing Excel- and phone-based process that required excessive time and led to manual errors. ***Developed an interactive Workload Dashboard and designed a robust data management system.*** The dashboard empowered team leads to simplify the allocation of staff for new projects and provided insights into ongoing project workloads. As a result, decision-making became more informed and resource distribution became more efficient. Integrated feedback and Frequently Asked Questions modules to enhance user engagement and support. These interactive elements maintained user requirements and concerns were promptly addressed, contributed to an overall streamlined and effective system. The ***interactive Workload Dashboard provided a comprehensive tool*** that met allocation needs and enhanced user experience and support.
07/23 – Ongoing	**Regional Traffic Operations Program, Alabama Department of Transportation, Statewide, AL.** *Power Platform Developer.* ***Developed a tailored dashboard and reporting tool*** to provide valuable insights into ***regional traffic performance measures.*** The solution provided a robust platform to access and analyze data, and delivered meaningful traffic insights. Generated detailed reports on regional traffic performance measures, to enable extraction actionable insights. The reporting functionality facilitated customized data retrieval, and allowed different stakeholders to download reports specific to desired regions and timeframes.
06/20 – 08/20	**FM 1960 Access Study, Texas Department of Transportation, Houston, TX.** *Product Developer.* Established an innovative virtual immersive public platform to host public meetings. The platform developed introduced a dynamic way to public engagement, and resulted in increased participation compared to traditional methods. The ***developed virtual immersive public platform exceeded expectations*** that provided an engaging and interactive experience. Through its graphical interfaces, it offered a

	unique and immersive environment for conducting public meetings. As a result, the portal witnessed a surge in public involvement, surpassed the level achieved through traditional approach in the past.
02/23 – Ongoing	**Program Portal, California High Speed Rail, Fresno, CA.** *Power Platform Developer.* Engaged in the development of an integrated digital solution tailored to the client's construction management package. This multifaceted solution encompassed the ***creation of more than nine applications, spanning departments such as utilities, quality, planning, construction, structures, and more.*** Additionally, the deliverables encompassed two interactive dashboards and a suited of automated workflows strategically designed to streamline and automated critical processes. The accomplished outcome transcended expectations, offered a cohesive and ***interconnected suite of tools***. The diverse applications addressed different operational aspects, while the dashboards provided real-time insights and visualizations for informed decision-making. Furthermore, the integration of automated workflows significantly optimized various processes, led to ***increased efficiency and productivity.*** Ultimately, this effort introduced a transformative paradigm shift, enriched the operational landscape across the client's construction management domains.
07/20 – 07/20	**Public Meeting Portal, Nassau County Department of Public Works, Nassau County, FL.** *Product Developer.* Provided an innovative platform for public participation, leveraged the capabilities of ***Arcadis's CX360 platform, developed a dynamic digital space*** to host the public meeting. The outcome was a substantial sixfold surge in public meeting participation, indicative of the solution's success in addressing the initial challenge. Attendees were empowered to engage in real-time discussions and received prompt answers to their queries, thereby elevated the overall meeting experience by seamlessly integrated live interactive chat feature.
01/21 – Ongoing	**Educational and Community Engagement Portal Development, NYC's Financial District (FiDi), New York City, NY.** P*roduct Developer.* The Seaport FiDi wanted to ***develop an interactive and educational online portal,*** centered around climate change and resilience planning. With the adept utilization of Arcadis's CX 360 platform, ***developed an interactive website*** to cater precisely to the client's needs. This dynamic platform not only encapsulated vital climate change information but also featured engaging interactive components, fostered public involvement, and understood climate change matters. Additionally, the ***portal served as a central repository*** for public meeting updates and alerts that maintain timely communication. The success of this initiative remains evident as the client continued to rely on this platform, considered it a primary destination for their online presence. The developed portal's ability to seamlessly marry education, engagement, and real-time updates highlights its ongoing significance in supporting the client's objectives.

ENVIRONMENTAL AND PERMITTING STAFF

Firm employed by. ARCADIS				Meets MPR No. 4
Name	Jan Grenfell Hughes		Years of relevant experience with this employer	3
Title	Senior Environmental Planner		Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization			BA / 1984 / Anthropology, Louisiana State University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**NEPA Support**	

Ms. Hughes brings **25 years of experience with the Louisiana Department of Transportation and Development (LADOTD) Environmental Section** overseeing the National Environmental Policy Act (NEPA) process for proposed transportation projects, as well as preparing NEPA, Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. Department of Transportation Act documentation for Federal Highway Administration (FHWA) and U.S. Coast Guard. Ms. Hughes had primary responsibility for authoring NEPA documents, including the Airline Highway Environmental Assessment (EAs) for FHWA for which a Finding of No Significant Impact (FONSI) was issued, and the Oaklawn Bridge Categorical Exclusion Reevaluation approved by FHWA. In addition to the projects listed below, throughout her career, she has provided oversight for numerous staff and consultant prepared NEPA documents for LADOTD and local entities. She has also coordinated with federal, state, and local agencies on other environmental issues. She has conducted public involvement activities, including meetings and hearings. Ms. Hughes was a project team member in the development of the 2015 Louisiana Historic Bridge Inventory and Section 106 Programmatic Agreement for Treatment of Louisiana Historic Bridges.

Experience dates	Experience and qualifications relevant to the proposed contract
02/23 – 05/24	**Safety Studies IDIQ – District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Environmental Planner*. Responsible for performing desktop and field environmental reviews to identify and document environmentally sensitive areas. The purpose of study was to develop and evaluate safety countermeasures to address pedestrian safety needs on seven corridors within Caddo and Bossier Parish. Study data, methods, and results were documented in Stage 0 Feasibility Reports with Preliminary Scope and Budget Checklist and Environmental Checklist.
09/22 – 07/24	**I-20 Widening/Overlay (Vancil Road – LA 34), LADOTD, Ouachita Parish, LA**. *Environmental Planner and Public Meeting Coordinator* for widening and overlay of a four (4) mile section of I-20 near West Monroe, LA. Assisted with required wetland studies and the development of a Wetlands Finding Report using the latest FHWA criteria. ***Assisted with the coordination and execution of a public meeting*** to obtain public and stakeholder input. Prepares public meeting materials and report.
11/22 – 12/24	**US 11 Norfolk Southern Railroad, Route US 11, EA/FONSI, LADOTD, St. Tammany Parish, LA.** *Environmental Planner* responsible for supporting LADOTD for the ***NEPA Re-Evaluation of the EA/FONSI*** for proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements include the replacement of a bridge crossing the Norfolk Southern Railroad.
4/23 – 4/23	**Airline Highway North (Florida Boulevard to I-110), Route US 61, City of Baton Rouge and East Baton Rouge Parish, East Baton Rouge Parish, LA.** *Environmental Planner* responsible for technical review of the Stage 0 Environmental Checklist.
10/22 – 05/23	**LA 16 (Pete's Highway)/I-12 Interchange, Route LA 16, EA, LADOTD, Livingston Parish, LA.** *Environmental Planner* responsible for coordinating with LADOTD to revise the ***Draft EA*** to incorporate updated construction phasing for the proposed interchange improvements.

10/22 – 05/23	**Rural Bridges Initiative II, Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA.** *Environmental Planner* **responsible for technical review** of Programmatic Categorical Exclusion documents for 16 state projects involving replacement of 29 state highway bridges.
02/94 – 08/98	**Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Highway, EA/FONSI, LADOTD, East Baton Rouge Parish, LA.** *LADOTD NEPA Lead* for widening of a 3.5-mile segment of Airline Highway from four lanes to six lanes. Responsible for handling the NEPA process and primary responsibility for authoring the ***EA with Programmatic 4(f) Statement*** for an adjacent park for FHWA for which a FONSI was issued.
01/11 – 05/15	**Bayou Teche Bridge at Oaklawn, Route LA 323, Categorical Exclusion Re-Evaluation, LADOTD, St. Mary Parish, LA.** *LADOTD NEPA Lead* for replacement of this historic, one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. Responsible for handling the NEPA process and authoring the NEPA document approved by FHWA. Also handled the ***Section 106 Consulting Parties process, preparation of the Section 106 Memorandum of Agreement and Programmatic Section 4(f) Statement*** for adverse impact to the bridge, and the historic bridge marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternate use.
03/02 – 03/05	**Huey P. Long Bridge, Route US 90, EA, LADOTD, Jefferson Parish, LA.** *LADOTD NEPA Lead* for the widening of the highway portions of this historic highway/railroad bridge constructed in the 1930s from two 9-foot-wide lanes to three 11-foot-wide lanes. Responsible for oversight of the NEPA process and consultant preparation of the NEPA document for U.S. Coast Guard. Also handled coordination with the New Orleans Public Belt Railroad and Louisiana State Historic Preservation Officer and preparation of the ***Section 106 Memorandum of Agreement*** for the adverse impact to the historic bridge.
01/15 – 02/19*	**Inner Loop Extension (LA 3132), E. Flournoy Lucas Road (LA 523) to Future I-69 Corridor, EA, LADOTD and City of Shreveport, Caddo Parish, LA.** *LADOTD NEPA Lead.* Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. Responsible for oversight of the NEPA process and consultant preparation of the EA for FHWA.
04/01 – 12/06	**I-49 South, Wax Lake Outlet to Berwick, Route US 90, Environmental Impact Statement (EIS)/Record of Decision (ROD), LADOTD, St. Mary Parish, LA.** *LADOTD NEPA Lead.* Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the NEPA process and consultant preparation of the NEPA document for FHWA which was approved as an ***EIS/ROD***.
04/01 – 10/05	**I-49 South, Lafayette Regional Airport to LA 88, Route US 90, EIS/ROD, LADOTD, Iberia/Lafayette/St. Martin Parishes, LA.** *LADOTD NEPA Lead.* Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the NEPA process and consultant preparation of the NEPA document for FHWA which was approved as an EIS/ROD.
07/15 – 02/19*	**I-49 South, I-10 to Lafayette Regional Airport, Route US 90/US 167, Supplemental EIS (SEIS), LADOTD, Lafayette Parish, LA.** *LADOTD NEPA Lead.* Preparation of a SEIS that includes follow-up to commitments made in the 2003 ROD for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the NEPA process and the consultant NEPA work, which includes ***extensive public involvement***. Also carried out the SEIS initiation process and re-initiation of the Section 106 process.

*Until retirement from LADOTD in February 2019.

Firm employed by. ARCADIS			
Name	**Rhonda Tilt**	Years of relevant experience with this employer	14
Title	Senior Planner	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 1995 / Geophysics, University of Delaware	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support**	

Ms. Tilt has more than 15 years of experience leading environmental compliance efforts for a variety of transportation projects. Her experience includes projects ranging in complexity from pedestrian improvements, intersection improvements, bridge replacement, and new location roadway projects. She has a thorough understanding of environmental laws and regulations, such as the Endangered Species Act, Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. Department of Transportation (DOT) Act. She has successfully led public involvement efforts and prepared Environmental Assessments (EAs), Categorical Exclusions (CEs), and Programmatic Categorical Exclusions (PCEs) in accordance with National Environmental Policy Act (NEPA) and Georgia Environmental Policy Act (GEPA). Her responsibilities include coordinating with environmental subject matter experts (SMEs) to identify resources while adhering to schedules, collaborating with design teams to minimize/avoid impacts to environmental resources, and authoring environmental documents that comply with NEPA, the Federal Highway Administration (FHWA), Georgia Department of Transportation (GDOT), and other federal, county, and city officials.

Experience Dates	Experience and qualifications relevant to the proposed contract
06/16 – 09/20	**Kennesaw Mountain National Battlefield Multi-Use Trail EA, Cobb County DOT, Cobb County, GA.** *NEPA Lead*. Responsible for preparation of an FHWA/GDOT EA, FHWA/GDOT Finding of No Significant Impact (FONSI), National Park Service FONSI/Non-Impairment Statement, and FHWA/GDOT Re-evaluation for approximately 3.8 miles of pedestrian trails through and adjacent to Kennesaw Mountain National Battlefield. The ***EA*** required ***public involvement*** and coordination with multiple federal agencies and local governments, as well as studies related to the cultural landscape that were critical to the preservation of this Civil War battlefield.
06/18 – Ongoing	**Region 1 General Engineering Services (Multiple Projects), GDOT Ridge Valley and Upper Piedmont Region, GA.** *NEPA Lead*. Responsible for ***environmental compliance on projects ranging from intersection improvements to rural bypasses***. Initiating and coordinating environmental resource identification, technical studies, public involvement efforts, and preparing NEPA documents while adhering to the P6 schedule. Projects examples include: • PI 0009901, I-20 at Waco Road, PCE and Re-evaluation (Construction Year - 2023) • PI 0016106 | SR 6 at SR 100/Canal Street | PCE and Re-evaluation (Construction Year – 2023) • PI 0017970 | Watkinsville Bypass | ***Alternative Analysis*** (Construction Year – 2023) • PI 621600/662420 | South/Southeast Rome Bypass | EA Re-evaluation (Construction Year – 2023)
03/21 – 03/22	**General Engineering Consultant Services On-Call, State Route 316, GDOT Office of Innovative Delivery Design-Build and Public Private Partnership, Barrow/Oconee Counties, GA.** *NEPA Lead.* Responsible for NEPA compliance and alternative analysis for three design-build projects on SR 316 that consist of reconstructing existing at-grade intersections into grade-separated crossings. Initiated and coordinated environmental resource identification, technical studies, and public

	involvement while collaborating with design and SMEs to align with the projects' schedules. Public involvement efforts included two Public Information Open Houses, a live streamed stakeholder meeting, and a live streamed question and answer session.
06/18 – Ongoing	**Operational Improvement Program (Multiple Projects), GDOT, Region 2, GA.** *GEPA/NEPA Lead.* Responsible for environmental compliance on multiple intersection. Special studies include historic and archaeological resources, natural resources, air quality, and noise. Prepares environmental screening documents, coordinates with environmental SMEs, prepares ***NEPA documents, and coordinates public involvement efforts***. Improvements include modern roundabouts, continuous flow intersection, reconfiguring multiple approach intersections into a single intersection, and adding turn lanes. Project examples include: • PI 0015920 | I-185 at SR 22 Spur Exit Ramp Improvements | GEPA (Construction Year – 2020) • PI 0016440 | SR 22 at SR 85 Interchange Improvements | GEPA (Construction Year – 2023) • PI 0016442 | SR 22 and SR 85 Intersection Improvements | GEPA (Construction Year -2023) • PI 0016443 | SR 372 at Birmingham Highway Roundabout | PCE (Construction Year – 2023)
06/18 – Ongoing	**Traffic Safety Design Services (Multiple Projects) GDOT, Regional, GA.** *NEPA Lead.* Responsible for ***preparation of environmental resource screenings and NEPA documents, including PCEs, CEs, and re-evaluations***. The program involves reconfiguration of multiple intersections throughout GA and consequentially encompasses a variety of environmental resources such as historic structures/districts, archaeological sites, traditional cultural properties, low-income and minority populations, natural resources, and underground storage tanks. Project examples include: • PI 0013862 | SR 16 at 42 | CE (Construction Year – N/A) • PI 0014159 | SR 16 at Higgins Road | PCE (Construction Year – 2023) • PI 0015686 | SR 11/SR 247 | CE and Re-evaluation (Construction Year – 2023) • PI 0015692 | SR 87 at Bass/Arkwright Road | PCE (Construction Year – 2023)

Firm employed by: ARCADIS			
Name	**Jessica Kern**	Years of relevant experience with this employer	3
Title	Program Planner	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MPA / 2017 / Public Administration, Western Carolina University BS / 2013 / Environmental Science, Western Carolina University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support - Section 4f/6f**	

Ms. Kern has 8 years of experience in environmental planning in the southeastern U.S. Prior to joining Arcadis, she served as a National Environmental Policy Act (NEPA) Planner with the Georgia Department of Transportation (GDOT) evaluating environmental effects and environmental documentation for transportation projects. Her area of expertise includes the NEPA, Georgia Environmental Policy Act (GEPA), and Section 4(F) of the U.S. Department of Transportation (USDOT) Act. She is experienced working with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers (USACE), U.S. Fish and Wildlife Service (USFWS), U.S. Coast Guard (USCG), National Oceanic Atmospheric Association (NOAA), Georgia Department of Natural Resources Coastal Division (CRDNR), and the State Historic Preservation Office (SHPO). Since 2018, Ms. Kern has worked almost exclusively on transportation projects.

Experience dates	Experience and qualifications relevant to the proposed contract
07/24 – Ongoing	**I-285 Westside Express Lanes, GDOT, Fulton/Cobb Counties, GA.** *Deputy NEPA Analyst* for an Environmental Assessment (EA) for the implementation of express lanes along a 10-mile segment of I-285 from Benjamin E. Mays Drive to Paces Ferry Road in Fulton and Cobb Counties, GA. Responsibilities include managing the public involvement process, coordinating the environmental schedule to secure timely deliverable submittals, ***authoring the EA, and confirming compliance with NEPA and other federal and state regulations.***
07/22 – 06/24	**SR 17 From SR 172 to Royston Bypass, GDOT, Elbert and Hart Counties, GA.** *Lead NEPA Analyst* for ***preparation of environmental documents in compliance*** with GEPA for improvements to 18 miles of SR 17 consisting of a four-lane divided roadway on new location. This project was part of the Governor's Road Improvement Program (GRIP) to stimulate growth, ***address existing safety issues, and add capacity***. Project corridor contained extensive historic resources and wetlands. Special studies included to an air quality assessment, noise impact report, and practical alternatives report.
12/22 – 10/23	**SR 1/SR 24/US 70 S Communication Infrastructure, TDOT, City of Nashville, TN.** *NEPA Analyst* that ***prepared the CE*** for the City of Nashville and TDOT for a project which upgraded communications infrastructure along the project corridor.
12/22 – 10/23	**SR 24/US 70 Communication Infrastructure, TDOT, City of Nashville, TN.** *NEPA Analyst* that ***prepared the CE*** for the City of Nashville and TDOT for a project which upgraded communications infrastructure along the project corridor.
08/22 – 02/23	**2020 Rural Bridge Replacements (LA35, Drain Canal), LADOT, LA.** *NEPA Analyst* that prepared the PCE Checklist for the LADOT for a project which proposed to replace the Drain Canal Bridge locate along Louisian State Highway 35 approximately 5 miles southwest of Lawtell in St. Landry Parish, LA.
08/22 – 02/23	**2020 Rural Bridge Replacements (LA10, Mill Creek), LADOT, LA.** *NEPA Analyst* that prepared the PCE Checklist for the LADOT for a project which proposed to replace the Mill Creek Bridge locate along Louisian State highway 10 in Allen Parish, LA.

08/22 – Ongoing	**SR 5, CR 174/CR 198 Roundabout Improvements, GDOT, Douglas County, GA.** *NEPA Analyst* for preparation of a CE in ***compliance with NEPA*** for the conversion of a stop-controlled intersection to a multi-lane roundabout.
05/24 – Ongoing	**SR 25 at Darien River Bridge, GDOT, McIntosh County, GA.** *NEPA Analyst* for a Categorical Exclusion (CE) and ***individual 4(f)*** for the SR 25 bridge replacement over the Darien River in McIntosh County, GA. Responsibilities include ***coordinating the environmental schedule to secure timely deliverable submittals***, coordinating heavily with environmental subject matter experts (SMEs), authoring the CE and Individual 4(F) document, and facilitating ***compliance with NEPA*** and other federal and state regulations.
05/24 – Ongoing	**SR 25 Spur East at Mackay River, GDOT, Glynn County, GA.** *NEPA Analyst* for a CE for the SR 25 bridge replacement over the MacKay River in Glynn County, GA. Responsibilities include coordinating the ***environmental schedule*** to maintain timely deliverable submittals, coordinating heavily with environmental SMEs, authoring the CE document, and ***validating compliance with NEPA*** and other federal and state regulations.

Firm employed by: ARCADIS			Meets MPR No 4
Name	**Jonathan "Daniel" Lowrey**	Years of relevant experience with this employer	<1
Title	Senior Environmental Planner	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		MA / 2014 / Anthropology, University of Alabama, Birmingham BS / 2010 / Social Science, Troy University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support; Mitigation Compliance Support**	

Mr. Lowrey is a Professional Environmental Consultant experienced in conducting and documenting environmental studies in compliance with the National Environmental Policy Act (NEPA), Georgia Environmental Policy Act (GEPA), Section 106 of the National Historic Preservation Act, and other related laws, regulations, and policies. He serves as an Environmental Planner, managing multidisciplinary teams of experts to execute the technical production of NEPA/GEPA documents, facilitates public involvement activities, and coordinates with project stakeholders and local, state, and federal agencies. He develops and maintains scopes of services, work plans, permitting strategies, schedules, risk assessments, and budgets in service to large, complex transportation projects. He has contributed to the delivery of projects following traditional and innovative delivery models including design-bid-build, design-build, and design-build via public-private partnerships. In addition to his experience in environmental planning, Mr. Lowrey works as a Cultural Resources Consutant and is a Professional Archaeologist.

Experience Dates	Experience and qualifications relevant to the proposed contract
05/19 – 04/25	**I-285 Top End Express Lanes Project, Georgia Department of Transportation (GDOT), Cobb, Fulton, and DeKalb Counties, GA.** *Environmental Discipline Lead.* Managed both the technical and administrative aspects of the environmental team. ***Led the environmental team through the scoping process, public involvement process, the development of the Draft EIS, the Final EIS, and the 404-permit application.*** Produced or managed the production of various and numerous ancillary technical studies and documents for each of these. Advised the broader project team and the client on ***strategies to achieve state and federal environmental concurrence and permitting*** following the One Federal Decision process, ***engaging with the client, project stakeholders, Federal Highway Administration, and other regulatory agencies to successfully meet expectations and schedule.*** Instituted and executed an environmental quality control program that helped to maintain deliverable quality while achieving greatly accelerated production and review timeframes. Developed, managed, and handed off the project's public involvement and communications team. Planned, executed, and managed numerous public outreach programs and meeting series ("Community Conversations", Public Involvement Open House, and Public Hearing Open House meetings), as well as several outreach advertising campaigns and opinion surveys since joining Jacobs in 2019.
02/18 – 02/19	**SR 236 at SR 42 Intersection Improvements, GDOT, Fulton County, GA.** *Deputy Project Manager, GEPA Lead, and Lead Archaeologist* for a state-funded intersection improvements project in Fulton County, GA. Comments received at public meetings caused the project manager to decide, at a late stage in the plan development process, to make substantial changes to the project design. Strategized with the client and with his counterparts at the GDOT and provided a work plan which helped to maintain the project schedule.

03/17 – 03/19	**Madras Connector, GDOT, Coweta County, GA.** *Deputy Project Manager, NEPA Lead, and Lead Archaeologist* for a federally-funded new-location bypass project in Coweta County, GA. ***Revised the project environmental work plan, coordinated with state agencies, and provided scope for additional services*** due to a late discovery of a state-protected environmental resource on the project.
03/17 – 03/19	**Hereford Farm Road Widening and Improvements, GDOT, Columbia County, GA.** *Environmental Discipline Lead, NEPA Lead, and Lead Archaeologist.* Federally-funded road widening and improvement project in Columbia County, GA. ***Assisted in preparing for and executing public involvement events and drafted responses to public comments.*** Coordinated with project stakeholders including GDOT's Office of Program Delivery, GDOT's Office of Environmental Services, and Columbia County's Department of Engineering Services. Also worked with other environmental experts to deliver survey reports and environmental documents.

Firm employed by. ARCADIS			Meets MPR No. 5
Name	**Daniel Burgin, INCE**	Years of relevant experience with this employer	<1
Title	Air and Noise Practice Lead	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2013 / Atmospheric Science, Purdue University	
Active registration number / state / expiration date		Institute of Noise Control Engineers Traffic Noise Model 2.5 Training / 2013 National Transit Institute (NTI) Transportation Conformity Training / 2015 Environmental Protection Agency Motor Vehicle Emission Simulator Training / 2024 NTI Transit Noise and Vibration Training / 2019	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support - Air & Noise**	

Mr. Burgin is an experienced Air Quality and Noise Specialist with a strong background in supporting project and program-level compliance for transportation agencies. From 2013 to 2018, he served as the Air Quality and Noise Specialist for the Kentucky Transportation Cabinet (KYTC), where he facilitated adherence to Air Quality Conformity under the Clean Air Act and Federal Highway Administration Mobile Source Air Toxic (MSAT) Guidance for National Environmental Policy Act (NEPA) analysis. He led interagency consultations to assess "Project of Air Quality Concern" status for PM2.5, prepared numerous qualitative MSAT analyses, and served as the Reviewer and Approver for quantitative MSAT analyses. He also performed Type I Noise Analysis for KYTC and reviewed Noise Analysis studies prepared by consultants for KYTC projects. Mr. Burgin continued his career with the Oregon Department of Transportation from 2018 to September 2025 where he served as the Noise Program Coordinator preparing noise studies for highway projects, as well as analysis of construction noise and quarry noise and noise impacts to wildlife. Mr. Burgin has experience with Traffic Noise Model Version 2.5 and Version 3.2, as well as the Roadway Construction Noise Model.

Experience Dates	Experience and qualifications relevant to the proposed contract
04/26 – Ongoing	**I-10 Calcasieu River Bridge Public Private Partnership (P3) Project, LADOTD, Calcasieu Parish, LA.** *Air and Noise Lead* for preparation of required traffic noise technical studies for replacement of the I-10 Calcasieu River Bridge and 5.25 miles of interstate improvement along I-10. ***Led traffic noise studies and preparation of an Addendum to the Traffic Noise Technical Report*** to support the NEPA Re-Evaluation of design alternatives advanced by the P3 team.
04/26 - Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Air and Noise Lead* for preparation of an addendum to the Traffic Noise Analysis Technical Report. ***Comparing design year build condition traffic noise levels with proposed design changes and noise barriers per the LADOTD Highway Traffic Noise Policy***. Consistent with the project's original noise analysis, utilizing methodology for accounting for structure borne noise from NCHRP project 25-34 "Supplemental Guidance on Application of FHWA's Traffic Noise Model".
11/25 – Ongoing	**I-285 at I-20 East Interchange Reconstruction, ICE Engineering, DeKalb County, GA.** *Lead Noise Analyst – Final Design of Noise Abatement*. Provides ongoing support to this project performing ***noise analysis of noise abatement barriers that have changed during construction of this design-build project***. One example is that in November 2025 the footprint of one noise barrier needed to be shifted closer to the highway to accommodate the placement of drainage features within the right of way. Uses TNM 2.5 to model the performance of the barrier in its new position and compare it to the Noise Impact

	Assessment, as well as another previously approved design of the barrier. Multiple memoranda documenting the final design of noise barriers have been transmitted to the prime consultant for them to submit to the project owner, the Georgia Department of Transportation (GDOT).
10/25 – Ongoing	**I-285 Westside Express Lanes, GDOT, Fulton and Cobb Counties, GA.** *Lead Noise Analyst/Air Quality Analyst*. Leading the ongoing effort to complete the ***Noise Impact Analysis*** for this project which proposes to add separated express lanes to approximately eight (8) miles of I-285 between I-75 and I-20. The analysis is being done using TNM 2.5 for this ***complex project with many existing noise walls***. Also assisting with preparation of the ***Air Quality Impact Analysis*** which will include a quantitative MSAT analysis prepared using the MOVES model.
05/25 – 06/25	**Big X Interchange (OR99/OR238/OR62), ODOT, Medford, OR**. *Noise Analyst – Post Letting NEPA Re-Evaluation*. When it became apparent to the project manager that it would be advantageous to add an additional 400 feet of paving to a Type I project which was already in construction, took action to complete an addendum to the traffic noise study to include the new area. This was complex because the additional area was adjacent to a densely developed residential area with an existing concrete privacy wall built by the developer. Took noise measurements behind the wall to ***validate a TNM 3.2 model developed which included the wall as a noise barrier***. This led to the analysis finding the residences behind the developer wall not impacted by traffic noise. Also ***authored the Addendum to the Noise Technical Report***. The schedule from when it was decided to do the study to its completion was less than eight (8) weeks, allowing the on-site contractor to add paving this area to the schedule during paving season. Used innovative ArcGIS tools to generate files formatted to be opened in TNM 3.2 which helped this schedule to be met.
11/18 – 09/25	**I-5 Rose Quarter Project, ODOT, Portland, OR.** *Noise Reviewer – NEPA Phase and Post NEPA Project Delivery.* ODOT's Primary Reviewer for the I-5 Rose Quarter project. The project added auxiliary lanes to I-5 through downtown Portland, OR to address weaving issues. One noise barrier for a park and school was feasible and reasonable.
11/21 – 04/24	**Interstate Bridge Replacement Program, ODOT, Portland, OR and Vancouver, WA** *Noise Reviewer – NEPA Phase*. Led ODOT's review of the ***Noise and Vibration Analysis*** for the Interstate Bridge Replacement Program. The project included replacing the I-5 bridges across the Columbia River connecting OR and WA, reconstructing five (5) miles of I-5, and adding light rail service to Vancouver, WA. As of the ***Noise and Vibration Technical Report for the Draft SEIS, 11 noise walls*** were feasible and reasonable.
08/13 – 10/18	**Highway Projects Statewide, KYTC, Frankfort, KY.** *Air Quality and Noise Specialist*. Responsible party for handling those needs for all KYTC highway projects with noise analysis or project-level air quality analysis needs. This included leading Interagency Consultation efforts for projects in PM 2.5 non-attainment or maintenance areas in compliance with the Clean Air Act, as well as ***preparing MSAT analysis and technical writing for NEPA. Prepared Type I noise analysis for several projects.*** Whenever noise or air quality work was put out to be performed by a contractor, served as the Reviewer and Approver for KYTC.
03/19 – 08/19	**Brett Way Extension, ODOT, OR.** *Noise Analyst – NEPA Phase and Air Quality and Noise Specialist.* Utilized TNM 2.5, ArcGIS and MicroStation in working to prepare the Noise Technical Report for a project to add an extension to Brett Way in Klamath Falls, OR. Fully took the effort over and completed the analysis and report after the other noise analyst who had been working on the project left.

Firm employed by: ARCADIS			
Name	**Lauran Switzer, RPA**	Years of relevant experience with this employer	5
Title	Principal Planner	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		MA / 2009 / Archaeology, University of South Carolina BS / 2004 / Anthropology, College of Charleston	
Active registration number / state / expiration date		RPA #16637 / USA / Exp. N/A	
Year registered	2009	Discipline	Archaeology
Contract role(s) / brief description of responsibilities		**NEPA Support - Archaeology**	

Ms. Switzer has 21 years of experience as an Archaeologist with eight years as a National Environmental Policy Act (NEPA) planner. Ms. Switzer's professional experience includes Environmental Manager and NEPA Lead for numerous complex design-build projects, consisting of 13 years of experience in design-build mega projects including five years in Georgia and eight years on the west coast while employed by the Washington State Department of Transportation. Ms. Switzer is highly experienced in transportation planning, alternative delivery, public involvement/stakeholder outreach, Section 106 agreement document development, tribal consultation, state/federal permit compliance, environmental compliance inspection, artifact analysis and curation, technical and research report writing, historical (Historic American Buildings Survey/Historic American Engineering Record [HABS/HAER] recording), archaeological assessments (including National Register nominations), teaching, and public outreach.

Experience Dates	Experience and qualifications relevant to the proposed contract
10/20 – 6/25	**Environmental Services Region 3 On-Call Contract, Georgia Department of Transportation (GDOT), Multiple Counties, GA.** *Deputy Project Manager/Task Order Manager*. Managed the environmental task orders for 20 bridge replacement projects for Region 3 on-call services in support of ***preparation of environmental studies, reports, and documents. Scope included compiling the results of environmental studies into documents that are compliant with NEPA***; conducted quality control reviews of environmental studies and NEPA documents, and planned and conducted public outreach on behalf of GDOT in accordance with OES Environmental Guidebooks, Published Environmental Guidance, and the GDOT Plan Development Process.
10/20 – Ongoing	**General Engineering Consultant (GEC) and Construction Engineering and Inspections (CEI) for Design-Build Program, GDOT, Multiple Counties, GA.** *Environmental Manager/Task Order Manager*. Responsible for four pre-let environmental teams and two post let environmental teams and ***leads NEPA documentation for complex and highly expedited design build*** projects. Project types consist of new location interchange, a frontage road, an interchange widening, and a major interstate widening. Successfully navigates project challenges and unique variables such as a third-party permit applicant and facilitates expedited document preparation and agency reviews.
10/20 – 12/21	**I-85 Widening Phase 3 from North of SR 11 to North of US 441 PI 0015245, GDOT, Banks and Jackson Counties, GA.** *Environmental Manager and NEPA Lead*. Led the pre-let environmental team and led NEPA documentation for this variable scope 13-mile interior highway widening design build project. The project had an aggressive pre-let schedule, therefore expedited document preparation time and agency reviews were critical for environmental certification within six months of project kickoff. Conducted weekly team check-ins/status updates for all the environmental disciplines (GDOT/PMC/GEC) to

	stay on track for environmental documentation approval and reviews prior to June 2021 when the NEPA document was approved and the project let. Also reviewed all contractor post-let environmental submittal packages and attended post-let meetings providing support to the GEC and contractor team.
1/21 – Ongoing	**Project Adventure, PI 0017219, 0018363, 0018361, 0019451, GDOT, Morgan, Newton, and Walton Counties, GA.** *Environmental Manager/NEPA Lead and Post-Let Project Manager*. NEPA Lead for this project of rapid pre- and post-let program delivery of four transportation projects – US 278/SR widening, new alignment frontage road, and new full-service inter-change on I-20 in support of a major economic development. Project involves continuous close coordination between GDOT, GA Department of Economic Development, a multi-county JDA, and a private technology company. Arcadis led pre-let design and technical studies, developed RFP TPs under two bid packages, and is currently providing post-let GEC support in contract implementation/compliance. Served as Environmental Manager of the pre-let environmental team and currently has the same role post-let, ***leading NEPA documentation for this complex and highly expedited design build project*** that seeks to construct infrastructure to support an electric vehicle plant in three counties. Project components consist of a new location interchange, a frontage road, and an interchange widening. The project had an aggressive pre-let schedule with unique variables such as a third-party permit applicant; therefore, expedited document preparation time and agency reviews were critical for environmental certification. Conducts weekly team check-ins/status updates for all the disciplines to stay on track for environmental documentation. As Post-Let Environmental Lead, provides weekly environmental support consisting of ***reviewing contractor environmental reports and submittals and leading NEPA reevaluations and special studies memorandums.***
04/24 – Ongoing	**North Druid Hills Interchange, PI 0016054, Dekalb County, GA.** *Post-Let Environmental and NEPA Lead*. NEPA lead for this complex, urban interchange improvement from DBB to DB delivery. Project includes road widening, construction of displaced left turn onto I-85 South, and bridge replacements in highly congested, constrained urban areas. Arcadis prioritizes project activities to ***meet stakeholder commitments on an aggressive delivery schedule;*** provides design support to the GDOT led design team, including leading constructability and staging reviews; develops RFP TPs; coordinates with several stakeholders on overlapping transportation and land development projects; and evaluates ATCs. As Post-Let Environmental Lead, provides weekly environmental support consisting of reviewing contractor environmental reports, design plan changes, and related submittals and leading NEPA re-evaluations and special studies memorandums.
03/12– 10/20	**SR 99 Alaskan Way Viaduct Replacement (AWVRP) (Three Projects – One Deep Bored Tunnel Project, One Bridge, And North and South Tunnel Access Design Bid-Build Projects) WSDOT, Seattle, WA.** *Archaeological Field Lead/Project Manager* while employed by WSDOT (2012 to 2017) and then ***cultural resources manager as a consultant (2017 to 2020). Responsible for field coordination/scheduling and archaeological monitoring commitments under the Section 106 MOA*** for the AWVRP that included one design-build deep bored tunnel project through downtown Seattle and three design-bid-build projects. Assisted in writing work scopes/TOs for consultants and developing archaeological specifications. Responsible for writing cultural resources monitoring reports for South Holgate to South King Stage 3. Other duties included reviewing of consultant invoices, scheduling monitoring, contractor compliance with WSDOT contract specifications. Responsive to changing schedules and unanticipated discovery response 24/7.

Firm employed by ARCADIS			
Name	**Hunter Guidry**	Years of relevant experience with this employer	1
Title	Principal Ecologist	Years of relevant experience with other employer(s)	28
Degree(s)/Years/Specialization		BS/1996/Environmental Management Systems, Louisiana State University	
Active registration number/state/expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities		**NEPA Support - Wetlands; Permit Applications**	

Mr. Guidry is currently a Principal Ecologist with over 28-years with a proven expertise in project management, water resources, wetland delineation and assessment with local, state, and federal Clean Water Act 404 permitting, coastal restoration experience, NEPA compliance, stormwater management and design, remediation support, field data collection, Section 7 Endangered Species Act (ESA) consultation, ecological surveys, vegetative monitoring, biota sample procurement, and construction site management.

Experience Dates	Experience and qualifications relevant to the proposed contract
05/25 – Ongoing	**Vanguard Renewables, Iberville and Assumption Parishes, LA.** *Project Manager and Permitting Specialist.* Currently working on two new renewable natural gas facilities in Iberville and Assumption Parishes, LA. Following a technical risk analysis by engineers and development of proposed renewable energy facility designs, Arcadis evaluates the ecological integrity and resources associated with the facility layout to identify applicable federal, state, and local permits. Arcadis ***closely coordinates with the US Fish and Wildlife Service, LA Division of Environmental Quality (LDEQ), Natural Resources Conservation Service, LADOTD, and the LA Department of Wildlife and Fisheries as well as the local Parish agencies*** for state stormwater, solid waste, operations, and new facility design as well as terrestrial and aquatic resource impacts. Serving as project manager coordinating multiple teams during project screening during the engineering design, field soil fertility, fertilizer (digestate) application, Phase I ESA, and property survey.
06/25 – Ongoing	**I-10 Calcasieu River Bridge P3 Project, LADOTD, Calcasieu Parish, LA.** *Permitting Specialist.* The I-10 Calcasieu River Bridge Improvements Project will improve Interstate 10 (I-10) between the I-10/I-210 west and I-10/I-210 east interchanges in Calcasieu Parish, LA. Helped expedite the ***Section 401 Water Quality Certification*** process with the LDEQ to complete the ***US Army Corps of Engineers (USACE) Section 404 permitting*** process. Additional services will include support and coordination with the state and federal agencies during the Clean Water Act (CWA) and stormwater permitting process to complete the necessary permits to begin construction of the new bridge.
02/25 – Ongoing	**City of Baton Rouge/Ward Creek Realignment, City of Baton Rouge, East Baton Rouge Parish, LA.** *Permitting Specialist.* Arcadis was contracted by the City of Baton Rouge through a FEMA grant to evaluate stormwater impacts to the Ward Creek drainage basin. Arcadis' task is assessment and design of several possible stormwater retention projects within the drainage basin to reduce and control stormwater flows during large rain events. Completed desktop assessment of environmental resources and prepared a project impact evaluation and permitting matrix for project planning and stormwater design. Completed wetland determinations on proposed project sites to determine the impacts from the project layout. Ran

	multiple ***Louisiana Rapid Assessment Method wetland assessments*** to determine the mitigation requirements for each of the project sites for funding requirements. Currently working on permitting and ***NEPA Enviornmental Assessment (EA)***.
05/23 – 08/23	**I-10 to US 61 (West Airline Highway) Connector, LADOTD, St. John the Baptist Parish, LA.** *Wetland Delineator.* Performed a wetland determination along a designated corridor chosen alternate alignment. Performed field work and recorded data. Compiled data and authored a wetland delineation report and provided it to client. Participated in project public meeting with partners and state agencies.
07/23 – 12/24	**Cypress Bayou Green Infrastructure Project at Greenwood Park, Recreation and Park Commission for the Parish of East Baton Rouge (BREC), East Baton Rouge Parish, LA.** *Project Management/NEPA Specialist.* Project management of environmental aspects of HUD funded stormwater project at the BREC Greenwood Park. Provided environmental consulting services and NEPA compliance primarily related to wetlands permitting, endangered species, stormwater, and environmental conditions of the site. Coordinated with various firms on wetland and endangered species reviews and agency coordination. Performed a HUD checklist review for federal grant funding of stormwater relief project. Worked with prime on all regulatory compliance issues for the NEPA compliance. ***Secured a Section 404 CWA permit from the USACE and EA/FONSI for project construction***.
01/18 – 08/18	**I-10/Loyola Interchange, LADOTD, Jefferson Parish, LA.** *Project Management.* Worked with state agencies on the I-10/Loyola interchange ***Phase I Environmental Site Assessment*** for NEPA compliance. Performed multiple site inspections of various impact locations for several different alignments. Looked at potential environmental concerns and impacts with each individual alignment. Attended public meetings and interacted with state and local agencies as well as answered questions about environmental impacts to the public for project.
08/18 – 01/21	**Fourchon LNG Facility, Lafourche Parish, LA.** *Project Manager/Field Biologist.* Assisted client in preparation, submittal and tracking of resource reports for a FERC application for proposed energy supply facility along the Louisiana coast. Worked on NEPA compliance for facility. Performed nesting bird survey and ***endangered species site assessment*** on project site before geotechnical survey began. Coordination with local, state, and federal agencies for project planning, development, and regulatory compliance.
02/10 – 4/11	**LA Highway 42/LA Highway 117 Expansion, LADOTD, Leeville, LA.** *Project Manager.* Oversaw environmental assessments along the LA 42 and LA 117-expansion corridor. Coordinated with parish leaders, design engineers and state and federal agencies.
08/08 – 12/08	**Coushatta Bridge Realignment, LADOTD, Allen Parish, LA.** *Biologist.* Responsible for wetland determinations as well as red cockaded woodpecker and america chaffseed plant survey and habitat analysis along proposed expansion and replacement of the Coushatta Bridge in Allen Parish, Louisiana. Coordinated with state and federal agencies and project engineers.
08/07 – 12/07	**McHugh Road (Wimbush Drive to Lower Zachary Road), LADOTD, East Baton Rouge Parish, LA.** *Wetland Delineator.* Responsible for Wetlands Study and preparation of ***Wetlands Assessment Report*** and project permitting, which was prepared in accordance with NEPA standards.

Firm employed by. ARCADIS			
Name	**Anthony Charles Chieffo, MA, RPA**	Years of relevant experience with this employer	1
Title	Senior Architectural Historian	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		MA / 2024 / Archaeology and Heritage / University of Leicester BS / 2015 / Archaeology / Kennesaw State University	
Active registration number / state / expiration date		Register of Professional Archaeologists (RPA) / #28084	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support - Historic Architecture**	

Mr. Chieffo is a qualified historian and archaeologist (36 CFR 61) with 11 years of experience in the field of cultural resources management. Professionally, he has performed on a range of projects within rural and urban contexts in Georgia, South Carolina, North Carolina, Tennessee, Louisiana, Florida, Mississippi, Alabama, and Kentucky. During his academic career he functioned as a research assistant at the INSTAP Study Center for East Crete in a lab setting and was a Lab Manager cataloging artifacts recovered during field school at Kennesaw State University. His experience includes field management, archival research, laboratory management, artifact analysis and curation, technical and research report writing, historical architectural field surveys, archaeological field assessments, public outreach, writing historic context statements, historic background research, and crafting National Register of Historic Places eligibility evaluation statements.

Experience dates	Experience and qualifications relevant to the proposed contract
03/24 – 10/24	**Historic Resource Assessment of Properties, Employed with Edwards Pitman Environmental, Inc., Chatham County, GA.** Executed an intensive-level architectural field survey in Savannah, Georgia in accordance with National Register Bulletin 24 – Guidelines for Local Surveys: A Basis for Preservation Planning. A ***Historic resources Survey Report*** was prepared for the project. Seven hundred and twenty-one properties constructed during or before 1974 were studied including, but not limited to, previously recorded NRHP and NHL properties, railroads, bridges, houses, industrial districts, residential districts, churches, a segment of the Dixie Highway and portions of the Savannah Port Authority District.
08/23 – 10/24	**Historic Resource Assessment of Properties, Emplyed with Edwards Pitman Environmental, Inc., Henry County, GA.** Executed an intensive-level architectural field survey in Savannah, Georgia in accordance with National Register Bulletin 24 – Guidelines for Local Surveys: A Basis for Preservation Planning for planned road improvements to State Route 155 from the Interstate Highway 75 interchange toward McDonough, in Henry County Georgia. A historic Resource Survey Report Addendum and Property Information Forms were completed documenting four individual resources including ***one historic hotel, two historic warehouses, and one historic segment of the Dixie Highway.***
10/22 – 01/23	**Phase I Archaeological Survey of the SR 17 Widening and Bowman Bypass, Employed with Edwards Pitman Environmental, Inc., Elberton County, GA.** One of two Crew Chiefs over a team of four individuals for the Phase I Archaeological Survey of a State Route Widening Project in Elberton County, Georgia. Field methods involve systematic shovel test excavation and probe survey of cemeteries within the survey area.
08/21 – 11/21	**Proposed Replacement of SR 23 Bridges, Employed with Edwards Pitman Environmental, Inc., Burke County, GA**. *Field Director.* Served during the Phase I survey identification, Phase II formal site testing of 9BK531, and Phase III Data Recovery excavation of site 9BK531 in Burke County, Georgia. In accordance with Section 106, the Georgia Environmental Protection

	Act (GEPA), and the standards put forth by the Georgia Council of Professional Archaeologists (GCPA), coordinated with other team members, grid planning, site mapping, feature excavation, logistics and equipment planning, and site analysis.
04/17 – 08/18	**Phase I and II Archaeological Survey of the Proposed Replacement of the SR 23 Bridges over Brier Creek and Brier Creek Overflow, Employed with Edwards Pitman Environmental, Inc., Burke County, GA.** *Crew Chief* for both the Phase I and Phase II Archaeological Survey of a bridge replacement project in Burke County, Georgia. Phase II Archaeological Survey includes test units for site 9BK531 which intersected with the bridge replacement project. Survey includes systematic augur and shovel test excavation, and test unit excavation.
02/18 – 03/18	**Phase I Archaeological Survey of the Mill Creek Stream Mitigation Area, GDOT, Employed with Edwards Pitman Environmental, Inc., Bledsoe County, TN.** Co-authored the report and functioned as field director for an archaeological survey of 126 acres of wetland mitigation in Bledsoe County, Tennessee. Site 40BS99 was recorded during this survey. Field methods involve systematic shovel test excavation.
08/17 – 01/18	**Phase I Archaeological Survey of the Proposed Kennesaw Mountain Pedestrian Improvements, Employed with Edwards Pitman Environmental, Inc., Cobb County, GA.** Functioned as *Field Crew* for the Phase I Archaeological Survey of Pedestrian Improvement areas within Kennesaw Mountain Battlefield Park. Survey methods include systematic metal detection and shovel test excavation.
07/17 – 08/17	**Phase I Archaeological Survey for the Proposed Westside Truck Route, Employed with Edwards Pitman Environmental, Inc., Waynesboro, GA.** Authored the report and functioned as field director for an archaeological survey of 2.1 miles of new location roadway in Waynesboro, Georgia. Field methods involve systematic shovel test excavation. Sites 9BK534, 9BK535, and 9BK536 were recorded during this survey.
07/17 – 08/17	**Seventh Addendum Phase I Archaeological Survey for the Widening and Improvements of SR 61 from south of CR 467/ Dallas Nebo Road to SR, Employed with Edwards Pitman Environmental, Inc., Paulding County, GA.** Acted as *Crew Chief* for the Phase I Archaeological Survey of areas along SR 61 designated for additional passing lanes and road improvements. Survey methods include over 100 hours of systematic metal detection sampling, shovel test excavation, and probe survey of cemeteries within the survey area.
11/17 – 12/17	**Addendum Phase I Archaeological Survey of the SR 166 Widening and Bowdon Bypass Project, Employed with Edwards Pitman Environmental, Inc., Carroll County, GA.** *Crew Chief and lead* report author for the Addendum Phase I Archaeological Survey of 9 areas along SR 166 designated for additional passing lanes and road improvements. Field methods involve systematic shovel test excavation.
07/16 – 01/17	**Phase I Archaeological Survey of the SR 20 Improvement Project from I-575 to SR 400, Employed with TerraXplorations, Inc, Cherokee and Forsythe Counties, GA.** *Crew Chief* for the Phase I Archaeological Survey for the 24-mile improvement project planned along SR 20, from I-575 to SR 400. Survey methods include systematic shovel test excavation and judgmental test unit excavation in areas of high artifact density.
04/16 – 05/16	**Phase I Archaeological Direct Effects Survey for the Proposed Neals Mill Cellular Tower, Employed with TerraXplorations, Inc, McDuffie County, GA.** *Field Director and co-author* for the Phase I Archaeological Survey of the proposed construction of a Cellular Tower in McDuffie County. Field methods involve systematic shovel test excavation ***and historic resource survey of structures surrounding the proposed tower location.***

Firm employed by. ARCADIS			
Name	**Cassie Kerrin, PG**	Years of relevant experience with this employer	3
Title	Geologist/Project Manager	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		MS / 2010 / Geology, Louisiana State University BS / 2008 / Geology, Indiana State University	
Active registration number / state / expiration date		Professional Geoscientist – #1092 / LA / Exp. 12/2026	
Year registered	2016	Discipline	Geology
Contract role(s) / brief description of responsibilities		**NEPA Support - Phase I /II ESA; Materials Sampling & Testing**	

Ms. Kerrin is a **Professional Geoscientist and Project Manager with 14 years of experience** in performing geologic investigations and assessments in the state of Louisiana. Her technical expertise resides in soil and groundwater environmental site assessment, risk management, and remediation under the applicable Louisiana regulatory framework with extensive regulatory experience in the Louisiana Risk Evaluation/Corrective Action Program (RECAP). Ms. Kerrin advises and reviews as Professional Geoscientist for numerous projects and liaisons with regulatory agencies including the Louisiana Department of Environmental Quality (LDEQ), the Louisiana Department of Energy and Natural Resources (LDENR), the Texas Commission on Environmental Quality, and the U.S. Environmental Protection Agency on behalf of clients.

Experience Dates	Experience and qualifications relevant to the proposed contract
04/23 – Ongoing	**Solid Waste and Hazardous Waste Groundwater Monitoring Program and Additional Environmental Support Services, Confidential Industrial Client, Saint Charles Parish, LA.** *Project Manager and Senior Geologist.* Manages the groundwater sampling, analysis, and reporting associated with active solid waste units and closed hazardous waste units. Reviews subsurface data to delineate plumes, determine groundwater flow directions, and assess trends through time. Supports facility compliance with LDEQ solid and hazardous waste permits. Coordinates and oversees the operation and maintenance of a groundwater treatment system for dense nonaqueous phase liquids (DNAPL) recovery and provides recommendations for system optimization.
07/23 – Ongoing	**Multi-Media Sampling, Confidential Mining Client, Ouachita Parish, LA**. *Project Manager and Senior Geologist.* Prepares scope and sampling plan to assess unknown environmental conditions associated with former carbon black manufacturing facility, including subsurface soil, pond sediments, and surface water. Directs client on required site closure activities in accordance with state regulations.
07/23 – Ongoing	**Benzene Pipeline Release Corrective Action and Site Closure Advocacy, Confidential Oil and Gas Client, Ascension Parish, LA.** *Project Manager and Senior Geologist.* Project Manager for benzene pipeline release site under LDEQ's Voluntary Remediation Program. Challenged and successfully overturned recent LDEQ requests (e.g., well network modifications, additional groundwater sampling parameters) through technical responses to demonstrate existing plan adequacy. Renewed client interest and action in addressing outstanding environmental liabilities and advancing site closure. Conducted updated high-level remedial alternatives analysis to provide recommended path forward strategy. Work plan to address data gaps submitted in 2024 after site was idle following active remediation in 2013.

01/22 – Ongoing	**Environmental Support Services, USEPA Region 6 Superfund Site Potentially Responsible Party (PRP) Group, Vermilion Parish, LA.** *Project Manager and Senior Geoscientist.* Verifies quality of subsurface data collection and analysis. Reviews subsurface data to delineate plumes, determine groundwater flow directions, and assess trends through time. Reviews and approves final deliverables as LA Professional Geoscientist. Advocated for and achieved USEPA approval for reduction in monitoring requirements based on groundwater data trends and assessment. Authored three technical memoranda on behalf of PRP Group to demonstrate continued protectiveness of the selected site remedy to human health and the environment in response to USEPA requests.
12/21 – 10/24	**Low-pH Soil Corrective Action and Site Closure, Confidential Industrial Client, Plaquemine Parish, LA.** *Project Manager and Senior Geologist*. Directed implementation of RECAP Corrective Action Plan involving in-situ chemical injections into shallow subsurface to remediate impacted soils from acid release. Evaluated data in consideration of conceptual site model and prepared report demonstrating that even though remedial standards had not been met, no risk to human health or the environment remained. Technical lines of evidence were accepted by LDEQ and site was granted No Further Action status after the site had been opened and active since 2005.
12/21 – 10/22	**Soil and Groundwater Investigations, Remediation, and Monitoring Projects, Confidential Oil and Gas Client, Port Arthur, TX.** *Project Manager and Senior Geologist.* Provided support to oil and gas refinery in TX in managing their environmental liabilities, specifically related to release events. Contributed to authoring soil management plan and spill release guidance plan, advising the facility on regulatory requirements following a spill and risk-based evaluation under TRRP. Oversaw the implementation of post-closure monitoring, including collection and interpretation of groundwater data.
06/18 – 12/22	**Groundwater Compliance Program, Confidential Industrial Client, Freeport, TX.** *Subject Matter Expert.* Advised team on regulatory compliance of groundwater corrective action program under Hazardous Waste Permit at a large chemical manufacturing facility. Recommended changes to groundwater sampling and reporting for improved alignment with permit requirements and standard practices. Reviewed and PG sealed final reports for state submittal.
01/17 – 01/20	**RECAP Investigations and Corrective Action, Greenfield Environmental Trust Group, Bossier Parish, LA.** *Project Geoscientist*. Led the field investigation and reporting under Louisiana RECAP for a former creosote wood-treating facility where non-aqueous phase liquid was identified in surface soil, subsurface soil, and groundwater. Supervised environmental sampling for visual and chemical analysis to determine nature and extent of contamination; analyzed geochemical data to delineate plumes. Supported the remedial alternatives analysis for design of cleanup.
08/12 – 12/19	**Soil and Groundwater Investigations, Remediation, and Monitoring Projects, Confidential Industrial Client, Saint Charles Parish, LA.** *Project Geologist*. Served as Project Geologist for numerous site RECAP investigations and routine groundwater sampling under solid and hazardous waste permits. Provided oversight and direction for installation of groundwater monitoring wells and investigative soil borings. Logged soil lithologies and identified hydrogeologic units for correlation and well installations. Generated geologic cross sections. Updated site conceptual models. Evaluated subsurface data to delineate plumes, determine groundwater flow directions, and assess trends through time.

Firm employed by: CDM Smith			
Name	**Jennifer (Jenny) Humphreys, AICP**	Years of relevant experience with this employer	28
Title	Senior VP, Transportation South Area Leader	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BA / 1998 / Transportation Planning	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support**	

With a background in travel demand modeling and NEPA documentation, Jenny has supported feasibility studies, regional long-range transportation plans (LRTPs), and environmental documents across the Southeast for more than two decades. By integrating land-use, economic, and travel-demand data into the NEPA process, she has written environmental documents that have passed legal sufficiency reviews. In addition to her modeling work, Jenny has extensive experience managing transportation projects, including regional freight mobility plans, major corridor studies, and statewide plans. *American Institute of Certified Planners (AICP) (No. 019741)*

Experience dates	Experience and qualifications relevant to the proposed contract
09/17 – Ongoing	**I-526 Lowcountry Corridor East (LCC East) Planning and Environmental Linkages (PEL) Study, South Carolina Department of Transportation (SCDOT), North Charleston to Mt. Pleasant, SC.** *Project Director.* In July 2022, SCDOT completed a PEL study for I 526 LCC East. The study identified existing and projected transportation issues in the corridor through analysis and public and stakeholder engagement. Its results established a vision to guide future transportation decision making in the corridor. As Deputy Project Manager, Jenny supported overall project management and client coordination, provided senior leadership to the traffic modeling and engineering teams, and contributed to public engagement and NEPA analyses. The first project resulting from the PEL study is the proposed I 526 at Long Point Road Interchange Improvement. Long Point Road is a four-lane undivided roadway that extends from the port terminal to US 17. Carrying forward the analysis and public input, the interchange project advanced through the NEPA process, a federal review of the natural and human environment. As of August 2024, Federal Highway Administration (FHWA) approved the Finding of No Significant Impact (FONSI), and the next phase of project development, right-of-way acquisition, has begun.
01/15 – 02/26	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Project Director.* Jenny served as the task manager for public involvement and traffic analysis for the proposed extension. The highly sensitive study area required extensive public engagement, from large audience presentations to individual meetings with property owners and neighborhood associations. The traffic analysis for the Supplemental EIS ranged from using the CHATS regional travel demand model to managing intersection analyses for 39 transportation alternatives. During SEIS development, Jenny coordinated with local planning partners to integrate the most recent, available, and valid data into the traffic analysis. The alternatives analysis included new alignments, improvements to existing roadways, travel demand management, and mass transit options for the study area. Her work also included developing traffic technical memoranda for review and acceptance under the NEPA process in close coordination with SCDOT and FHWA.
12/23 – Ongoing	**I-95 Widening (Segment 3) from MM 22 to MM 33, SCDOT, Southern SC.** *Project Director.* As part of SCDOT's rural interstate program, this 11 mile segment of I 95 will be widened from four to six lanes, including modifications to two

	existing interchanges and replacement of existing bridges. Working as a subcontractor, CDM Smith led preparation of a Categorical Exclusion (CE) for NEPA, public engagement services, roadway and bridge design, traffic modeling and engineering, noise models, and other environmental studies. Jenny supported overall project management, provided senior leadership to the traffic modeling and engineering teams, and contributed to public engagement and NEPA analyses. She also provided senior technical leadership through quality assurance reviews of the Interchange Modification Report and CE documentation. Jenny worked closely with the risk manager and task leaders to meet an aggressive schedule in support of SCDOT's rural interstate program. She also participated in coordination with local agencies to align traffic studies and concept development with local Complete Streets and land development plans. Jenny provided similar support on the I-95 Widening Segment 1 and Segment 2 contracts.
01/23 – 03/24	**Grand Strand Area Transportation Study (GSATS) 2045 Metropolitan Transportation Plan (MTP) Update, WACCAMAW Regional Council of Governments, Georgetown, Horry, and Williamsburg Counties, SC.** *Project Manager.* CDM Smith prepared the fourth update to the GSATS MTP and supported the 20 year travel demand model. Jenny directed all work efforts and task managers and reviewed final deliverables for the 2045 update. The full scope of work included a traditional MTP along with updates to the regional travel demand model and the congestion management process documentation. The public engagement process followed the local public participation plan and included in person public information meetings, virtual web based meetings, and a MetroQuest survey to gather input. Under Jenny's leadership, the update was developed through a robust steering committee process and supported by a web-based project management portal for data sharing and deliverable tracking.
03/20 – 12/21	**Regional Freight Plan, Berkeley Charleston Dorchester Council of Governments (BCDCOG), Berkeley, Charleston, and Dorchester Counties, SC.** *Project Manager.* CDM Smith prepared a three-county regional freight mobility plan that assessed existing and forecast needs for highway, rail, and air cargo facilities. The plan was developed in coordination with the Appalachian Regional Freight Mobility Plan and supports the principles of mega regional planning in South Carolina. Jenny managed a team of transportation planners across CDM Smith and two subcontractors. The work required constant coordination and communication with the BCDCOG project manager and project stakeholders.
12/17 – Ongoing	**US 278 Corridor Improvements, SCDOT, Beaufort County, SC.** *Project Director.* This project combines planning, a feasibility study, and the environmental review process for the section of US 278 from Moss Creek Drive to Spanish Wells Road. A popular tourist destination, the area is experiencing significant development pressures and traffic congestion. The project team is balancing the need for infrastructure improvements with the goal of minimizing potential impacts on the sensitive coastal marine environment and a historically significant community. CDM Smith is a subconsultant, and Jenny is coordinating traffic modeling and engineering with the NEPA and public engagement teams to align data analysis and public information efforts. She also provides technical leadership in advancing regional travel demand modeling analyses through traffic simulation exercises required for the alternatives analysis.

Firm employed by: CDM Smith			
Name	**Karen Hadley, AICP, PMP**	Years of relevant experience with this employer	22
Title	Vice President, Senior Planner	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BA / 1998 / Environmental Studies and Geography	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support**	

Karen is a dynamic team leader with more than 20 years of experience in transportation project management. She has supported federal agencies, state departments of transportation, municipal planning organizations, and local municipalities with environmental planning, NEPA studies, long-range planning, corridor planning, and public engagement and agency coordination. By integrating land use, economic, and travel demand data into the NEPA process, Karen has authored a collection of environmental documents that have passed legal sufficiency reviews. She effectively manages multidisciplinary teams and projects ranging from small, fast-track assignments to large, complex efforts that require creative and equitable strategies. *American Institute of Certified Planners (AICP - No. 027422); Project Management Professional (PMP)*

Experience dates	Experience and qualifications relevant to the proposed contract
09/17 – Ongoing	**I-526 Lowcountry Corridor East (LCC East) Planning and Environmental Linkages (PEL) Study, South Carolina Department of Transportation (SCDOT) North Charleston to Mt. Pleasant, SC.** *Senior Project Planner.* In response to growing traffic congestion and the aging condition of the I-526 corridor in the Charleston metro area, SCDOT initiated this study to assess corridor needs and advance improvements through the NEPA process. The study corridor carries an average daily volume of approximately 80,000 vehicles in 2017 and consists of roughly 12 miles of interstate, five interchanges, and 38 structures. The goal of the project is to add capacity, reconfigure interchanges, and improve safety throughout this highly congested corridor. Karen guided the development of the PEL study, which was the first PEL study completed by SCDOT and Federal Highway Administration (FHWA)-SC. The first project resulting from the PEL study is the proposed I-526 at Long Point Road Interchange Improvement. Long Point Road is a four-lane, undivided roadway that extends from the port terminal to US 17. As the task lead for the environmental assessment (EA), Karen provides technical oversight and quality assurance/quality control (QA/QC) for alternatives analysis and leads a team of environmental planners, traffic engineers, natural and cultural resource specialists, and engineers to prepare the alternatives analysis and overall NEPA documentation needed to advance the project. She also manages the documentation for FHWA review and acceptance.
01/15 – 02/26	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Deputy Project Manager.* For the EIS, Karen led a multidisciplinary team to prepare a joint NEPA document that met both FHWA and U.S. Army Corps of Engineers (USACE) requirements. She managed schedules and budgets and coordinated agency participation, including piloting the NEPA and Section 404 merger process to expedite reviews. As the primary author, she developed the Agency and Public Involvement Plan, the purpose and need, the alternatives analysis, impact assessments, Graphic Information System (GIS) analysis, and extensive public outreach for this highly visible and often controversial project. Karen worked closely with SCDOT, FHWA, and USACE to address issues related to park impacts, endangered species, wetlands, and environmental justice. In 2016, she coauthored a re-evaluation document for the project. In 2017, she

	updated the reevaluation with additional information for Collector Roads A and B. The project was reinitiated in 2019, and in 2021 the supplemental EIS was signed and public hearings were held. The Final Environmental Impact Statement (FEIS) proceeded with FHWA review but is now paused due to a lack of funding.
06/16 – 07/19	**Restoration Plan and EA, Louisiana Coastal Protection and Restoration Authority, Coastal Louisiana.** *Environmental Planner.* The CDM Smith team provided environmental support services to prepare five EAs and additional environmental compliance documents for each of the five Natural Resources Damage Assessment projects, which included three marsh creation projects and two bird island projects approved for engineering and design in the Louisiana Trustee Implementation Group Deepwater Horizon Restoration Plan. Karen's responsibilities included completing indirect and cumulative impact evaluations for all resources associated with the proposed projects and their alternatives.
08/20 – 10/24	**Corridor Projections and Modeling (WA1), Texas Department of Transportation (TxDOT), Statewide, TX.** *Project Manager.* Karen managed the work authorization with TxDOT's Transportation Planning and Programming (TTP) Division to support the development of corridor projections for projects across the state. WA1 also supported statewide and MPO travel demand modeling, including use of the Texas Statewide Analysis Model (SAM). Karen managed subconsultants and led the project team in delivering traffic corridor projections, creating travel demand models, and developing recommendations for TxDOT to improve how it updates traffic corridor projections.
08/21 – 11/24	**Traffic Data and Forecasting Workgroup (WA3), TxDOT, Statewide, TX.** *Project Manager.* Karen managed the $1.2 million work authorization with TxDOT's TPP Division to support updates to traffic data and the forecasting process through a series of executive, division, and subject-matter expert workgroup meetings and peer state interviews. This work was a critical part of TxDOT's project development process. She led the project team in delivering more than ten TxDOT current practice interviews, over 20 workgroup meetings, and five peer state interviews, and she developed recommendations for TxDOT to improve how it updates the traffic corridor projections process.
12/17 – Ongoing	**US 278 Corridor Improvements, SCDOT, Beaufort County, SC.** *Senior Environmental Planner.* The project combines planning, a feasibility study, and the environmental review process for the section of US 278 from Moss Creek Drive to Spanish Wells Road. A popular tourist destination, the area faces significant development pressures and growing traffic congestion. The project team is balancing the need for infrastructure improvements with the goal of minimizing potential impacts on the sensitive coastal marine environment and a historically significant community. CDM Smith is a subconsultant, and Karen serves as a senior project planner and supports public outreach and engagement strategies. She attends public information meetings to share project updates and gather public input.

Firm employed by: CDM Smith			
Name	**Michael Belvin**	Years of relevant experience with this employer	22
Title	Associate, Senior Environmental Planner	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		BS / 1989 / General Agriculture	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**NEPA Support**	

Michael has over 33 years of experience in transportation planning, project development, and environmental documentation. He has led numerous projects involving metropolitan and rural systems, bridges, new interchanges, and community bypasses, and authored key environmental documents, including Categorical Exclusion (CE), environmental assessment (EAs), and Finding of No Significant Impact (FONSI). Michael has completed Planning and Environmental Linkage (PEL) studies, prepared Section 4(f) statements, memorandums of agreement between agencies, and technical reports on noise, air quality, and hazardous materials. His expertise includes socioeconomic, environmental justice, and community impact assessments, as well as NEPA and Clean Water Act compliance, and he works nationwide with federal and state agencies.

Experience dates	Experience and qualifications relevant to the proposed contract
09/17 – Ongoing	**I-526 Lowcountry Corridor East (LLC East) Improvements, South Carolina Department of Transportation (SCDOT), Mt. Pleasant, SC.** *Senior Environmental Planner.* The project aims to enhance the I-526 corridor from I-26 to US 17 and emerged from the need to address traffic congestion, improve safety, and support regional growth. CDM Smith, serving as a subconsultant, is providing traffic studies and modeling, environmental assessments, and public involvement. The project is being implemented in phases, with initial tasks focused on PEL studies. Michael is leading the field and desktop investigations required to develop the PEL study. The first project resulting from the PEL study is the proposed I-526 at Long Point Road Interchange Improvement. Building on the earlier analysis and public input, the interchange project advanced through the NEPA process. Michael served as the lead for the alternatives analysis, managing a team of environmental planners, traffic engineers, natural and cultural resource specialists, and engineers to prepare the alternatives analysis and the full NEPA documentation needed to move the project forward. He also managed the noise analysis team, coordinated field data collection, developed a calibrated noise model, and documented the results for FHWA review and acceptance.
01/15 – 02/26	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Environmental Planner.* Michael served as co-author of the EIS for a 7-mile new location expressway from the current terminus of I-526 to the James Island Connector. The project involved developing an agency and public involvement plan, the purpose and need, and alternatives and the alternatives analysis; processing GIS information, and participating in public involvement activities. Michael also evaluated proposed reasonable alternatives for impacts on noise, Section 4(f)/6(f), hazardous waste sites, farmlands, cultural resources, socioeconomics, and environmental justice.
06/16 – 07/19	**Restoration Plan and EA, Louisiana Coastal Protection and Restoration Authority, Coastal Louisiana.** *Environmental Planner.* The CDM Smith team provided environmental support services to prepare five EAs and additional environmental compliance documents for each of the five Natural Resources Damage Assessment projects (three marsh creation and two bird island projects) approved for engineering and design in the Louisiana Trustee Implementation Group Deepwater Horizon

	Restoration Plan. Michael's responsibilities included completing noise and air quality evaluations for the proposed projects and alternatives.
11/09 – 12/17	**Houma-Thibodaux to LA 3127 Connection EIS, South Central Planning and Development Commission (SCPDC), Lafourche Parish, LA.** *Project Manager.* Michael developed documents and addressed issues that included air quality, socioeconomics, land use, and community impacts. The purpose of the project was to establish a north-south connector for the Parishes of Terrebonne, Lafourche, Assumption, St. James, St. John the Baptist, St. Charles, and St. Mary. Existing north-south access in the region is mainly limited to LA 20, a two-lane circuitous route, with doglegs, narrow shoulders, and multiple driveway access points. CDM Smith was a subconsultant in developing the EIS, which included a traffic and revenue study.
12/16 – 04/21	**I-26 Corridor Management Interchange Improvements, SCDOT, Charleston, Dorchester, and Berkeley Counties, SC.** *Task Lead.* The project addressed growing congestion, safety concerns, and mobility challenges along the 25 miles of the I-26 corridor in South Carolina. This corridor served as a critical link for freight movement, regional commuting, and access to major industrial hubs. The project included a comprehensive evaluation of existing interchanges and parallel routes, including US 78 and US 52, to identify improvements that enhance operational efficiency and multimodal connectivity. Michael provided environmental screening for proposed improvements to I-26.
11/21 – Ongoing	**I-95 Improvements (Segment 1) from MM 0-8, SCDOT, Jasper County.** *Senior Environmental Planner.* SCDOT is enhancing capacity and safety to address increasing congestion on I-95 from near Exit 21 to near Exit 33 (US 17) in southeast South Carolina. Michael provides oversight through the planning and environmental review process for an 8-mile section of I-95 from 1 mile into Georgia at the Savannah River to approximately mile marker 8 in Jasper County. He manages a team of environmental scientists conducting field studies, traffic engineers performing an alternatives analysis, and NEPA planners preparing a Non-Programmatic CE. Michael also leads a team of planners developing a noise model, which includes taking field readings throughout the study area, building the model, and preparing documentation for FHWA review and acceptance. He participates in public engagement activities and agency coordination efforts. In addition, he is leading environmental planning tasks for Segments 2 (MM 8–22) and 3 (MM 22–33).
12/17 – 02/27	**US 278 Corridor Improvements, SCDOT, Beaufort County, SC.** *Senior Environmental Planner.* This project is a combination of planning, feasibility study, and environmental review process for the 3-mile section of US 278 from Moss Creek Drive to Spanish Wells Road. Planning also includes forecasting demand, developing a range of alternatives, and a robust public engagement process to incorporate public sentiment into the mobility strategies for the corridor. A popular tourist destination, the area is experiencing significant development pressures and traffic congestion. This project team is balancing the needs for infrastructure improvements while minimizing the potential impacts on the sensitive coastal marine environment and a historically significant community. With CDM Smith as a subconsultant, Michael assisted in coordinating and preparing public information, meeting illustrations, and handouts.

Firm employed by: CDM Smith				Meets MPR No. 4
Name	**Annamarie Weddle, AICP**		Years of relevant experience with this employer	7
Title	Planner		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2019 / Urban Planning and Design	
Active registration number / state / expiration date			AICP # 34713 / Exp. 09/30/2026	
Year registered	NA	Discipline	n/a	
Contract role(s) / brief description of responsibilities			**NEPA Documentation**	

Annamarie is a transportation and environmental planner specializing in National Environmental Policy Act (NEPA) compliance, hazard mitigation, and resiliency. She has experience conducting technical impact analyses and brings strong skills in document organization, administration, and resource management. She has supported state departments of transportation, the U.S. Army Corps of Engineers (USACE), and the Federal Emergency Management Agency (FEMA). She is a member of the National Association of Environmental Professionals and contributes to CDM Smith's NEPA, Natural Resources, and Climate Resilience teams.*American Institute of Certified Planners (AICP – No. 34713 – Exp. 12/31/2027)*

Experience dates	Experience and qualifications relevant to the proposed contract
12/23 – Ongoing	**I-95 Widening (Segment 2) from MM 8 to MM 21, South Carolina Department of Transportation (SCDOT), Jasper County, SC.** *Task Lead.* SCDOT is enhancing capacity and safety to address growing congestion on I – 95 from near the US 278 interchange to near S 77 in southeast South Carolina. Annamarie is ***leading the environmental assessment*** for the proposed widening and interchange improvements along a 13 mile segment. She is coordinating quality assurance and quality control procedures and documenting agency coordination and concurrences. She is also analyzing impacts on land use, aesthetics, and parks under Sections 4(f) and 6(f).
09/17 – Ongoing	**I- 526 Lowcountry Corridor Improvements, SCDOT, Charleston, SC.** *Planner.* The project addresses growing congestion and aging infrastructure along the I – 526 corridor in the Charleston metro area. It focuses on enhancing capacity, reconfiguring interchanges, and improving safety along the 12 mile corridor, which includes five interchanges and 38 structures and carried about 80,000 vehicles per day in 2017. CDM Smith is conducting a ***comprehensive analysis and developing the design – build procurement documents*** needed to advance the project.
04/19 – 02/26	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Task Lead.* Annamarie ***led the EIS in accordance with NEPA regulations***. She also developed the visual impact assessment in accordance with NEPA and Federal Highway Administration (FHWA) guidelines.
02/23 – 04/24	**FM 1314 Access Management Study, Texas Department of Transportation (TxDOT) – Houston District, Montgomery County, TX.** *Planner.* To address growing traffic and safety concerns along the FM 1314 corridor, CDM Smith conducted a comprehensive access management and traffic mobility study. The study identified short –, medium – , and long – term transportation improvements to enhance safety, improve traffic flow, and reduce delays along the 12 – mile segment.
08/21 – 11/24	**Traffic Data and Forecasting Workgroup (WA3), TxDOT, Statewide, TX.** *Task Lead.* Annamarie supported the ***$1.2 million work authorization*** with TxDOT's Transportation Planning and Programming Division to update traffic data and the forecasting process through a series of executive, division, and subject matter expert workgroup meetings and peer state interviews. This effort was a critical element of TxDOT's project development process. She helped ***deliver more than 20***

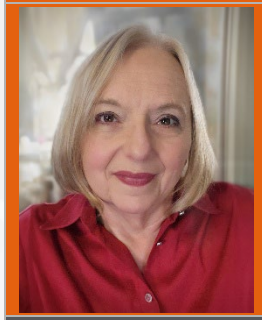
	workgroup meetings, five peer state interviews, and 10 TxDOT current practice interviews, and developed recommendations for improving the traffic corridor projections update process.
09/22 – 05/24	**Carbon Reduction Strategy, Ohio Department of Transportation (ODOT), Statewide, OH.** *Planner and Document Lead.* Annamarie reviewed the literature, identified best practices, worked with subject matter experts, and developed scoring criteria for the triple bottom line assessment. She also conducted an internal review of the draft Carbon Reduction Strategy report and prepared an implementation plan for integrating the strategy into existing ODOT planning documents.
6/20 – Ongoing	**Environmental Historic and Preservation Review, FEMA, Nationwide.** *NEPA Task Lead.* Annamarie supports FEMA in reviewing project proposals for ***NEPA compliance***. She coordinates with technical specialists and subconsultants assessing project impacts and document compliance, performs data analysis, and develops administrative records. She has supported multiple Environmental Assessments (EAs) nationwide and is leading an EIS.
05/20 – 12/21	**I-80 Environmental Justice Outreach, Illinois Department of Transportation, Schaumburg, IL.** *Planner.* Annamarie assisted with data collection and analysis to ***develop a Community Impact Assessment for Environmental Justice communities*** within the larger I – 80 Improvement project. She used database management skills to track community interactions and helped develop outreach materials.
07/20 – 12/23	**National Shoreline Management Study, USACE, Nationwide.** *Planner.* CDM Smith provided environmental and coastal resiliency evaluation services to support new and updated regional assessments and a National Assessment under the National Shoreline Management Study Program. Annamarie ***conducted a sea level change consequences analysis for six coastal regions and the Great Lakes, assessing physical, economic, and ecological effects of sea level change and associated shoreline changes.*** She worked with subject matter expert Dr. Denise Reed to develop the National Assessment, which compiled regional findings and identified national scale recommendations for more resilient shorelines.
08/19 – 12/19	**Route 40 Northgate to Downtown Transit Improvements Planning, Seattle Department of Transportation, Seattle, WA.** *Planner.* Annamarie is collecting, analyzing, and synthesizing data and assisting with the development of existing conditions and transportation analysis memoranda. She also contributes to concept development for pedestrian and bicycle enhancements along the transit corridor.
06/18 – 12/21	**Colorado State Transportation Plan Update, Colorado Department of Transportation (CDOT), Statewide, CO.** *Planner.* Annamarie analyzed existing corridors by transportation planning region to identify key issues and needs related to demographics, infrastructure, and multimodality. This information, along with existing projects, informed planning and prioritization of regional and state funding opportunities. She led content development and writing for regional transportation plans and corridor profiles and assisted with writing and composition of the statewide plan.

Firm employed by. ARCADIS			
Name	**Catherine Bruns**	Years of relevant experience with this employer	3
Title	Ecologist	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2021 / Coastal Environmental Science, Louisiana State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Permit Applications**	

Ms. Bruns is an Ecologist in the Arcadis Baton Rouge, Louisiana office. She supports transportation projects by performing wetland studies and preparing permit packages for submittal to United States Army Corps of Engineers (USACE) and Louisiana Department of Natural Resources (LDENR) Office of Coastal Management. Prior to joining Arcadis, she worked in the LDENR Office of Coastal Management performing technical and environmental reviews of projects submitted for Coastal Use Permits. She has experience with environmental permitting, biological assessment, and wetland studies.

Experience dates	Experience and qualifications relevant to the proposed contract
05/23 – Ongoing	**Rural Bridge Replacement Initiative Phase II, Louisiana Department of Transportation and Development (LADOTD), Multiple Cities, LA.** *Ecologist* for 16 state projects involving replacement of 29 state highway bridges. Responsible for preparing solicitation of views (SOVs), conducting wetland delineations and protected species surveys, preparing wetland findings reports, Programmatic Categorical Exclusions, ***USACE Nationwide Permits and Louisiana Department of Energy and Natural Resources (LDENR) Coastal Use Permits***.
05/23 – 07/24	**I-20 Widening/Overlay (Vancil Road – LA 34), LADOTD, Quachita Parish, LA.** *Ecologist*. Conducted a wetland delineation along a four (4) mile section of I-20 near West Monroe, LA for the proposed interstate widening project. Prepared a ***Wetland Findings Report***, including required exhibits, for use in a USACE Jurisdictional Determination. Assisted with preparing public meeting materials for an open-house public meeting
10/23 – 09/24	**Bayer Wetland Survey and Permitting, Bayer Crop Science, Luling, LA.** *Ecologist.* Performed a wetland delineation at the Bayer Crop Science facility in Luling, LA to facilitate development of a solar/sustainability project. Provided a Wetland Findings Report to be used for a USACE Jurisdictional Determination and supported efforts to obtain LDENR Coastal Use Permits.
02/24 – Ongoing	**I-10 Calcasieu P3 Design Phase, LADOTD, Calcasieu Parish, LA.** *Ecologist*. Prepared environmental documentation and permit applications for the I-10 Calcasieu River Bridge replacement and 5.25 miles of interstate improvement along I-10. Environmental permit applications prepared included a ***USACE Section 10/404 Clean Water Act Standard Permit, Louisiana Department of Environmental Quality Section 401 Water Quality Certification, and USCG Section 9 Bridge Permit*** and Navigation Lighting Plan. Prepared permit modifications, NEPA Re-Evaluations and public meeting materials to support P3 project alternatives.
05/24 – Ongoing	**Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program, LADOTD, Lake Charles, LA.** *Ecologist* for state projects involving replacement of six (6) off-system bridges. Responsible for preparing ***SOVs, conducting wetland delineations, preparing Wetland Finding Reports***, Environmental Determination Checklists, and permitting including USACE Nationwide Permits and LDENR Coastal Use Permits (CUPs)

Firm employed by:	MARMILLION/GRAY MEDIA		
Name	**Rannah Gray, MA**	Years of relevant experience with this employer	20
Title	President	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		BA / 1977. / Journalism, Louisiana State University MA / 1979 / Journalism, Louisiana State University	
Active registration number / state / expiration date		N/A	
Year registered		Discipline	N/A
Contract role(s) / brief description of responsibilities		**Stakeholder and Public Outreach; Public Relations and Communitation Advisory**	



One of the state's most experienced public engagement professionals for transportation projects, Rannah Gray has developed and implemented successful strategies for public and stakeholder outreach in Louisiana, Texas, Mississippi, Alabama and Florida. She serves as the communications and public engagement lead for the East Baton Rouge Parish MOVEBR Transportation and Infrastructure Program and has worked with four of the state's Metropolitan Planning Organizations (MPOs) on public involvement for transportation plans. Rannah has worked on environmental studies for the proposed Baton Rouge Loop project and the proposed Nicholson Corridor High-Capacity Transit System, which is now the Bus Rapid Transit project. She is a graduate of the 2013 Louisiana Leadership Class and her work has won over 20 national marketing and communications awards.

Experience dates	Experience and qualifications relevant to the proposed contract
07/19 – Ongoing	**MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA.** Wrote the program's strategic communications plan, created the MOVEBR brand; manages media outreach, public events, in-person and ***online stakeholder outreach for more than 100 community enhancement and corridor improvement projects***. The MOVEBR program is the largest transportation and infrastructure initiative in East Baton Rouge Parish history, providing an investment of over $1 billion in capacity projects, existing corridor enhancements, community improvements and traffic signal synchronization.
09/19 – Ongoing	**Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA.** *Public Outreach Consultant* for this project. She ***wrote the plan's public and stakeholder involvement chapters***, including strategies for gathering in-person and online public input. She led development of toolkit templates and resources for to be used by smaller cities, towns and parishes for transportation planning. The project produced pilot plans in three communities—the city of Opelousas, the town of Amite City and Lincoln Parish. Ms. Gray led the public outreach efforts for all three pilot programs.
11/22 – 07/2)	**Louisiana Statewide Transportation Plan for DOTD, Baton Rouge, LA.** Serving on the ***public engagement team for the update of the statewide transportation plan,*** our firm was responsible for developing the brand to be used on all outreach and promotional materials, researching and organizing a schedule of outreach opportunities throughout the state to gather public input, promoting a survey to assure input from all 64 parishes and assisting with outreach to advisory councils.
10/23 – 03/24	**Public Outreach for Safe Streets for All (SS4A) Plans.** *Public Outreach Lead* for several SS4A plans for Metropolitan Planning Organizations (MPOs) including the Capital Region Planning Commission (CRPC); South Central Planning and Development

	Commission (SCPDC); North Delta Regional Planning and Development District (NDRPDD), ***conducting outreach through surveys, public outreach events and stakeholder meetings.***
07/17 – 05/23	**Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA.** *Public Outreach And Marketing Lead*. She was ***responsible for development of the Commuter Krewe brand, marketing plan, and promotional strategies*** for ride-sharing program. The Commuter Krewe program was developed to help reduce traffic congestion in the Capital Region.
12/18 – 02/19	**Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA.** *Public Outreach Lead*, responsible for ***the planning and implementation of stakeholder and public meetings*** to gather input for proposed bus routes on Nicholson Drive and Plank Road. This project and its funding were moved into the MOVEBR program for more efficient management where Ms. Gray manages public engagement strategies for the project which is currently under construction.
04/18 – 10/18	**ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA.** *Lead*for public outreach, responsible for the planning and implementation of stakeholder and public outreach activities, ***development of a database of advocacy organizations*** and people living with disabilities; management of accessible public meetings, surveys and stakeholder outreach; and creation of outreach materials.
04/15 — Ongoing	**Capital Region Metropolitan Transportation Plan Update for the Capital Region Planning Commission, Baton Rouge, LA.** *Lead* for public outreach for CRPC's metropolitan transportation plan updates for 2042, 2046 and 2050. She has managed public and stakeholder outreach, including ***developing branding, managing stakeholder and public outreach, surveys, public meetings and elected official outreach.*** These project provided updates of the long range transportation plan for the five parishes in the Capital Region MPO.
08/10 – 01/12	**Capital Region Bicycle and Pedestrian Safety Campaign for the Capital Region Planning Commission, Baton Rouge, LA.** *Prime Consultant* for creating a public education campaign in the five Capital Region parishes in the MPO. Her responsibilities included producing ***TV spots, collateral materials, and community outreach strategies***. This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.
01/10 – 09/11	**East Baton Rouge Parish Comprehensive Master Plan for Land Use, East Baton Rouge Parish, Baton Rouge, LA.** *Lead* for public involvement. She wrote the public outreach plan and managed public engagement, stakeholder workshops and branding. This included ***developing the FUTUREBR logo, managing stakeholder workshops, public meetings, surveys and a public outreach effort that signed up over 2000 residents*** to be "citizen planners" to provide ongoing input. This plan replaced the parish's Horizon Plan for land use.

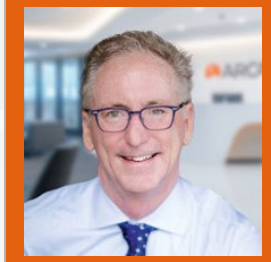
Firm employed by: ARCADIS			
Name	**Michael "Shane" Blatt**	Years of relevant experience with this employer	6
Title	Principal Communications Manager	Years of relevant experience with other employer(s)	23
Degree(s)/Years/Specialization		MS / 2014 / Business Administration, University of Georgia BS / 1995 / Journalism, University of Florida	
Active registration number/state/expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities		**Stakeholder & Public Outreach; Graphic Design & Presentation Materials**	

Mr. Blatt is a seasoned Communications Leader and strategist with significant experience in stakeholder and public engagement, targeted messaging and content generation, graphic design, and information-sharing through digital and print communication channels. He has worked on behalf of large transportation agencies, including the Georgia Department of Transportation (GDOT), Florida Department of Transportation (FDOT), and Metropolitan Atlanta Rapid Transit Authority (MARTA). Previously, as senior public relations manager for Hartsfield-Jackson Atlanta International Airport (ATL), he acted as the executive speechwriter for the airport general manager, oversaw all internal communications, and served as the chief editor and auditor of the airport's website, atl.com. Earlier in his career as a newspaper journalist for 16 years, he won three dozen writing, editing, and design awards.

Experience Dates	Experience and qualifications relevant to the proposed contract
11/19 – 07/23	**I-285 Westside Express Lanes, Georgia Department of Transportation, Atlanta, GA.** *Communications Lead*. Developed communications strategies and messaging, built PowerPoints, led internal meetings, coordinated and conducted ***stakeholder outreach, and responding to public inquiries***. Spearheaded all efforts – including ***social media campaigns, print advertising, press releases, video testimonials, and stakeholder toolkits*** – ahead of the project's virtual Public Information Open House (PIOH) in early 2021. Organized and moderated a virtual chat session with the public in February. Coordinated and led bi-weekly meetings, provided updates on and track activities and deliverables (e.g., presentations, social media posts, and public inquiry responses).
04/21 – 07/21	**MARTA HOPE Program, Georgia Department of Transportation, Atlanta, GA.** *Communications Lead*. Responsible for developing messaging that highlighted the human interactions, impacts, and benefits of the MARTA HOPE Program, which aims to address homelessness throughout the transit system. ***Messaged targeted internal and external stakeholders*** and included a full page of content for www.itsmarta.com. Organized and designed a print tri-fold brochure and PowerPoint presentation, incorporated MARTA images, fonts, colors, and other branding elements. Coordinated and led meetings with client and kept project on track.
11/19 – 8/20	**Dekalb Avenue Complete Street, Georgia Department of Transportation, Atlanta, GA.** *Communications Coordinator*. Responsible for coordinating and attending public outreach meetings as well as ***developing public boards, facts sheets, and FAQs. Serving as a liaison between the project team*** and Renew Atlanta as well as providing strategic insight on media coverage before and after public/stakeholder meetings.
01/21 – 02/23	**Savannah River Crossing Improvement Study, Georgia Department of Transportation, Atlanta, GA.** *Communications Lead*. Responsible for researching, writing, and editing significant portions of the Talmadge Memorial Bridge Air Draft Analysis,

	including the executive summary, for GDOT. Developed and implemented a communications strategy for the Phase 1 study, which included a presentation, press release, fact sheet, and frequently asked questions (FAQs). Served as the ***communications liaison*** between GDOT and the Georgia Ports Authority for alignment between the agencies on when – and how – to ***respond to the news media and public inquiries.***
05/19 – 07/19	**Better Utilizing Investments to Leverage Development (BUILD) Grants, Georgia Department of Transportation, Atlanta, GA.** *Project Manager/Grant Writer*. Responsible for leading the development of two U.S. Department of Transportation BUILD grants researched and written on behalf of GDOT. Writing one of those grants and submitting both on time and approximately $10,000 under budget.
08/18 – 04/19	**More MARTA Atlanta, Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, GA.** *Senior Communications Manager*. Responsible for overseeing a six-member communications team in areas of ***outreach/engagement, messaging, public relations, presentation development, social media, and digital and creative services to regional agencies,*** including MARTA. Spearheaded communications for More MARTA Atlanta, the city's largest expansion program in 40 years, and coordinated day-to-day meetings and deliverables. Reimagined the monthly electronic newsletter for More MARTA Atlanta to include more innovative content, including alternative story forms such as quizzes. Streamlined team's internal review process, reducing number of people and time involved for deliverables; resulted in better on-time deadline performance for clients.
05/24 – Ongoing	**Georgia Commute Options (GCO), Atlanta Regional Commission, Atlanta, GA.** *Project Manager (July 2024 to June 2025) and Project Director (Ongoing)*. Responsible for leading the project team – consisting of Arcadis and 7 subconsultants – on day-to-day activities and deliverables, budget, schedule, and quality control. As Project Manager, directly supervised the Street Team, the outreach personnel responsible for commuter engagement at large events region-wide. Based on lessons learned from Year 1 of the contract, executed a SMART goals-focused approach to grow the program and make GCO a household name through quantitative outcomes. Also improved operational efficiencies, internal and client communications, and deadline performance.
06/22 – 08/24	**Planning Consultant Services IDIQ: State Route 316 Planning Study, GDOT, Gwinnett, Barrow, and Oconee Counties, GA.** *Communications Lead*. Responsible for ***spearheading and executing strategies and campaigns to inform and solicit feedback from the public*** on the study's initial findings and final recommendations. Developed communications plan and organized two rounds of ***public engagement that drew more than 400 community members and elected officials***. Drafted and designed print and digital collateral, including social media campaigns, yard signs, postcards, flyers, and press releases, to promote meetings. ***Created digital surveys to collect and gauge public feedback. Narrated a 20-minute, pre-recorded webinar*** to further the public's understanding of the study.
06/22 – 06/23	**I-295 Project Development and Environment (PD&E) Study, FDOT, Jacksonville, FL.** *Communications and Public Engagement Lead*. Responsible for creating all ***promotional and informational materials***, including a 6-page brochure, ahead of a ***hybrid public hearing***. Crafted messaging, designed and animated a PowerPoint presentation, built icons and graphics, and narrated a 17-minute informational webinar that ran on continuous loop during FDOT's public hearing.

Firm employed by. ARCADIS			
Name	**Timothy Ratchford**	Years of relevant experience with this employer	36
Title	Technical Expert/Hydrogeologist	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 1987 / Geology, Northeast Louisiana University BS / 1984 / Geology, Millsaps College	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	Geology
Contract role(s) / brief description of responsibilities		**Materials Sampling & Testing**	



Mr. Ratchford is experienced in various aspects of environmental science, including conducting soil and groundwater investigations that pertain to the Resource Conservation and Recovery Act (RCRA) Facility Investigations. Experience includes assisting clients with obtaining RCRA permits for their hazardous waste treatment, storage, and disposal activities. The types of hazardous waste units associated with his experience in RCRA permits include landfills, boilers/incinerators/furnaces, container storage areas, tanks, landfills, post closure care units (closed impoundments); corrective action management units; and miscellaneous units (to detonate/burn unexploded ordinances). He has extensive experience with preparation and implementation of facility management plans that pertain to waste management; waste analysis; contingency and emergency preparedness; inspections of hazardous waste units; and training for personnel conducting hazardous waste management activities. He has also assisted with the preparation of engineering reports and closure/post-closure care plans for hazardous waste management units covered under RCRA permits. Other hazardous waste management experience includes obtaining United States Environmental Protection Agency, hazardous waste identification numbers for hazardous waste generators, preparing annual/biennial hazardous waste reports, and preparing waste minimization plans.

Experience Dates	Experience and qualifications relevant to the proposed contract
09/15 – 10/22	**Environmental Regulatory Applicability Analysis for Upstream Oil and Gas Operations, Confidential Client, Multiple Locations.** *Technical Lead/Regulatory Compliance Subject Matter Expert.* The program included conducting site visits to the various field offices, exploration sites to review files and interview site personnel on overall compliance with environmental regulations. As a result of the reviews, applicability matrices were prepared to identify regulations established for compliance with both state and federal regulations for waste management, water discharges, air emissions and saltwater injection activities. Companion documents that provided summaries of field activities, documents reviewed, and narrative descriptions for applicable were also prepared.
12/19 – Ongoing	**Regulatory Review Evaluation, Confidential Client, Confidential Location.** *Technical Lead/Regulatory Compliance Subject Matter Expert.* Provided technical coordination, oversight, and subject matter expertise for the preparation applicability matrices that detailed the specific regulatory requirements associated with each regulation and a state/area specific narrative summary that provided information on the regulatory framework associated with the applicable area of compliance. Compliance requirements for this review included: National Environmental Polic Act, Water Quality, Underground Injection Control, Oil Pollution Prevention/Emergency Response, Waste Management, Emergency Planning and Community Right-to-Know Action, Toxic Substance Control Act, and Transportation.

06/20 – Ongoing	**Two Separate Major Retail Store Chain's Waste Compactor Audit Programs, Confidential Client, CA.** *Technical Lead/Regulatory Compliance Subject Matter Expert.* As part of the program, an Arcadis team mobilizes to the site of clients authorized commercial or municipal waste facility to conduct the audit. The wastes stored in the compactor is emptied onto a tarp and the Arcadis team separates the wastes using rakes to collect an inventory to determine if California regulated wastes have been placed in the compactors. An inventory, score card, and photolog are assembled at the time of the audit. A report of the audit is provided back to each client that is used to evaluate each store's compliance with California's waste regulations.
05/21 – Ongoing	**Major Pharmaceutical Waste Management Program, Confidential Client, Confidential Location.** *Technical Lead/Regulatory Compliance Subject Matter Expert.* Provided assistance pertaining to newly established Environmental Protection Agency (EPA) regulations (40 CFR 266 Subpart P) was provided that included preparing a summary matrix that identified the compliance requirements for newly established category hazardous waste pharmaceuticals. Assistance was also provided with the preparation of a power point presentation to be used for training at distribution locations for the management and shipment of hazardous waste pharmaceuticals. A summary matrix is also updated to reference state-specific adoption of the new regulation is also maintained and forwarded to the client on a quarterly frequency. Additional assistance is provided on an "on-call" basis for support on agency notifications required for this new category of hazardous wastes.
11/21 – 12/25	**RCRA Permit Renewal, Confidential Client, Plaquemine, LA.** *Technical Lead/Regulatory Compliance Subject Matter Expert.* A major modification to the permit was made to consolidate the permit to cover Post Closure Care for both impoundments. The project required extensive agency negotiations as part of the permit. Additionally, the modification included changing the groundwater monitoring program from a Corrective Action Groundwater Monitoring Program to a Compliance Monitoring Program. The project required extensive revisions to the sampling and analyses plan and responses to regulatory citations for Groundwater Projection Standards.
10/22 – 10/25	**RCRA Permit Renewal for a Facility, Confidential Client, Plaquemine, LA.** *Technical Lead/Regulatory Compliance Subject Matter Expert*. Hazardous waste operations associated with six hazardous waste tanks, a BIF, and Container Storage Area. Preparation of other supporting materials for the renewal permit was required and included a Waste Analyses Plan, Contingency Plan, Engineering Reports, Closure Plan, Closure Costs, and Geology Report. It was also required to update information on Solid Waste Management Units investigated as part of the facility's RCRA Facility Investigation (RFI). The facility addressed conditions investigated as part of the RFI using Louisiana Department of Environmental Quality's RECAP program. It was necessary to update the permit regarding the status of the SWMUs and their status using RECAP.

Firm employed by: ARCADIS			
Name	**Sophie Vincent, GIT**	Years of relevant experience with this employer	3.5
Title	Geologist	Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization			MS / 2022 / Geology, Louisiana State University BS / 2019 / Geology, Louisiana State University
Active registration number / state / expiration date			Geoscientist-in-Training #73 / LA / Exp. 01/04/2027
Year registered	2026	Discipline	Geoscientist
Contract role(s) / brief description of responsibilities			**Materials Sampling & Testing**

Ms. Vincent is a Geologist with more than three years of experience supporting subsurface investigations and groundwater assessment programs across Louisiana and the Gulf Coast, including work under Louisiana RECAP. She has managed monitoring well installations, subcontractor oversight (DPT and sonic drilling), electronic data collection, groundwater sampling, hazardous waste handling, Phase I ESAs, and LPDES outfall sampling. Ms. Vincent also prepares reports and health & safety plans, conducts environmental data evaluation and QA/QC, and develops pipeline water-crossing profiles.

Experience dates	Experience and qualifications relevant to the proposed contract
02/23 – Ongoing	**Data Quality, Multiple Clients, Louisiana, Mississippi, and Texas.** Reviewed and evaluated analytical laboratory reports. Prepared potentiometric contour maps to interpret groundwater flow direction. Compared data to applicable regulatory standards. Identified and reported regulatory exceedances, constituents of concern, areas of concern, and possible explanations for anomalies and exceedances. Prepared project reports that summarized the historical backgrounds of facilities and their regulatory history, sampling events, analytical results, and interpretation of results.
AL 06/23 – 03/24 LA 02/23 – Ongoing TX 02/23 – Ongoing	**Groundwater Monitoring Programs and Investigations, Multiple Clients, Multiple States.** Participated in and lead groundwater monitoring sampling events at active and abandoned chemical and oil and gas facilities. Responsibilities included collecting, evaluating, and interpreting groundwater data. Representatives from respective state agencies observed sampling activities and techniques conducted during multiple groundwater sampling events
06/23 – Ongoing	**Oilfield Brine Pipeline Release, Confidential Client, LA.** Collected high resolution electric conductivity data using a handheld and drill rig mounted probe to evaluate brine impact on surface soil. The data was used to define the plume boundaries and create a targeted corrective action plan to minimize the scope and cost of the cleanup.
LA 02/23 – Ongoing OH 04/23 – Ongoing TX 02/23 – Ongoing	**Soil Investigations, Multiple Clients, Multiple States.** Lead and assisted with several soil investigations associated with multiple confidential railroad companies and chemical facilities. Samples and water quality parameters were collected to assess potential soil and/or surface water contamination and/or to confirm contamination had been successfully remediated. Responsibilities also included assisting with report writing and data QA/QC.
LA/MS 04/24 – 05/25	**Waste Management Inspections, Confidential Rail Clients, Multiple States.** Responsibilities included conducting weekly waste inspections, collecting waste samples, facilitating waste pick-ups, and providing guidance to waste generators on how to properly store and dispose of hazardous and non-hazardous waste in compliance with Federal RCRA regulations.

Firm employed by. ARCADIS			
Name	**Michael Stevens, PG**	Years of relevant experience with this employer	3
Title	Project Geoscientist	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MS/ 2015 / Geology, University of Houston, Texas BS / 2012 / Geology, Louisiana State University	
Active registration number / state / expiration date		PG. 1268 / LA / Exp. 07/31/2026	
Year registered	2018	Discipline	Geoscientist
Contract role(s) / brief description of responsibilities		**Materials Sampling & Testing**	

Mr. Stevens is a Louisiana-licensed Professional Geologist with over ten years of experience conducting and managing environmental site assessments and investigations, and corrective actions under the Louisiana Risk Evaluation/Corrective Action Program (RECAP) and superfund program. He has implemented remedial actions at petrochemical and industrial facilities, refineries, brownfields site, and dry cleaner sites. Mr. Stevens is skilled in performing RECAP site investigations and risk evaluations in a variety of industrial sites.

Experience dates	Experience and qualifications relevant to the proposed contract
06/23 – 01/25	**Fuel Terminal, LDEQ, Marrero, LA.** *Technical Lead* to address a notice of deficiency letter from the Louisiana Department of Environmental Quality (LDEQ) related to historical investigations. Responsibilities included review of extensive historical site investigation data, prepare a RECAP MO-1 evaluation report including, a conceptual site model, and an Investigation Work Plan. Implemented the remedial investigation and developed the site closure strategy to address the LDEQ noted deficiencies. Prepared the RECAP Evaluation Report that demonstrated regulatory compliance, resulting in issuance of a conveyance notice, and release from liability by LDEQ.
06/23 – 12/25	**Oil and Gas Terminal RECAP Evaluation Report, LDEQ, Acadia, LA.** *Technical Lead* to implement and prepare a RECAP MO-2 Evaluation Report (2023 to address deficiencies noted by LDEQ. Efforts included developing site-specific risk-based standards. The RECAP Evaluation was successfully used to reduce remedial action and long-term monitoring requirements and ultimately demonstrate compliance. LDEQ granted No Further Action status in 2025 after the site had been opened and active since the 1980's.
09/25 – Ongoing	**Oil Refinery, Chalmette, LA.** *Project Manager and Technical Lead.* Responsible for Corrective Measures Implementation at a crude oil refinery in accordance with USEPA-issued Administrative Order including monthly O&M activities and biennial groundwater monitoring. The ongoing activities involve the measurement, tracking and manual removal of phase separated liquids from groundwater and submittal of a RECAP Annual Corrective Action Report documenting site compliance.
08/23 – Ongoing	**Historic Fuel Terminal, Egan, LA.** *Senior Geologist* on a geologically complex former fuel terminal and natural gas processing facility. Responsibilities include review of historical records, planning and implementation of remedial investigations and remedial actions under the RECAP regulatory framework. Current activities include RECAP site investigations geared towards delineation of petroleum constituents in soil and groundwater, management of a LNAPL recovery system operating in two groundwater bearing zones, and reporting.

06/25 – Ongoing	**Former Oil & Gas Production and Processing Facility, Louisiana Department of Conservation and Energy (LDCE), Jefferson Davis Parish, LA.** *Geologist.* Following eight years of ongoing site investigations, prepared updated RECAP MO-2 Evaluation and Corrective Action Plan to Louisiana Department of Conservation and Energy (LDCE) to provide a comprehensive Remedial Investigation and Remedial Action Plans for removal and offsite disposal of impacted materials. Remediation is planned for the second half of 2026.
10/23 – 06/25	**Diesel Pipeline Release, Louisiana Department of Conservation and Energy (LDCE), New Orleans, LA.** *Geologist.* Responsibilities included overseeing the excavation of impacted soil from a pipeline release and collection of confirmation samples. Worked closely with the regulatory body for approval of the sampling plan and prepared the RECAP Corrective Action Report following the successful removal of impacted soils. No Further Action status will be granted at the site following the negotiation between the State of Louisiana and the Pipeline operator for payment of restoration damages.
01/24 – Ongoing	**Railroad Lease Property, Louisiana Department of Conservation and Energy (LDCE), Benton, LA.** *Senior Geologist* on property formerly leased by a bulk fertilizer facility. Designed and completed multiple site investigations, and prepared the RECAP MO-2 Evaluation Report to document impact identified on site and provide updated site-specific risk-based standards for future evaluations. This report was approved by LDEQ without comments. The site is currently undergoing active soil and groundwater delineation and Remediation Actions planning.
06/24 – Ongoing	**Abandoned Pit Evaluation and Closure, Louisiana Department of Conservation and Energy (LDCE), Morgan City, LA.** *Geologist.* Responsibilities include preparation of the site investigation workplan and report, and closure plan to address an abandoned historical production pit under Statewide order 29-B guidance. Coordinated and implemented sampling to characterize current pit conditions. Coordinated, and implemented the closure plan relied on land-based treatment to achieve compliance.
06/23 – 12/25	**Chemical Plant Groundwater Plume, Louisiana Department of Conservation and Energy (LDCE),Luling, LA.** *Geologist.* Facilitated, with the client, navigating and documenting completion of a 10-year monitoring program. Responsibilities included implementing the sitewide monitoring program, per the approved waste unit post-closure Sampling Analysis Plan (SAP). Performed the data evaluation and prepared reporting documents to demonstrate compliance with RECAP requirements and the approved SAP.
10/23 – 12/24	**Oilfield Brine Pipeline Release, Louisiana Department of Conservation and Energy (LDCE), Plaquamine, LA.** *Geologist.* Responsibilities included planning, preparing, and executing a remedial investigation to identify the extent of impact from a pipeline release. Handheld and drill rig mounted probes were used to collect high resolution electric conductivity readings as an indicator of brine impact. Used the investigation results to create a targeted corrective action plan minimizing the scope, scheduled, and cost of the cleanup.
05/18 – 05/23	**Inactive and Abandoned Sites in Louisiana, Louisiana Department of Conservation and Energy (LDCE), Multiple Location, LA.** *Project Geologist*. Responsible for the preparation, planning, and execution of RECAP site investigations for inactive sites with historical releases or operational impacts in Louisiana with LDEQ oversight. Projects involved a review of the site history, work plan development, project implementation, data evaluation, and writing RECAP Site Investigation Reports. Work was completed on various light industrial and commercial facilities which included soil and groundwater investigations, monitoring well installation, aquifer testing, indoor air, sub-slab and soil vapor, and the use of screening tools such as TarGOST, MIP, and OIP for the delineation of subsurface nonaqueous phase liquid.

CONSTRUCTION SUPPORT STAFF

Firm employed by. ARCADIS			
Name	**Sunil Talati, PE**	Years of relevant experience with this employer	8
Title	Cost Estimator	Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization		BS / 1983 / Civil Engineering, The Institution of Engineers (India)	
Active registration number / state / expiration date		PE 14-917-53 / TX / Exp. 09/30/2026 Chartered Engineer (India) - AM201300-5 / India / Exp. N/A	
Year registered	1991	Discipline	Electrical / Computer
Contract role(s) / brief description of responsibilities		**Construction Drawing Review**	

Mr. Talati is a Senior Estimator with more than 42 years of experience in the various fields of cost estimating, project controls, and design engineering services. He has demonstrated extensive experience covering the full depth and breadth of the construction projects involving heavy structures such as bridges, highways, railways, airports, buildings, tunnels, canals, siphons, culverts, hydropower structures, and dams. He is a Senior Estimator at Arcadis Design and Consultancy, providing independent cost estimates, plan reviews, constructability reviews, bid proposal reviews, and value engineering.

Experience dates	Experience and qualifications relevant to the proposed contract
11/17 – Ongoing	**Department of Transportation Project Portfolio, Georgia Department of Transportation (GDOT), Multiple Location, GA.** *Senior Cost Estimator.* Attended kick-off meetings with client stakeholders; reviewed design plans, specifications, drawings, and construction means and methods, streamline mitigation credits, and construction schedules and conducted constructability reviews. Reviewed environmental and wetland-related construction constraints and developed mitigation plans. Reviewed moratorium-related constraints to develop project phasing. Attended project status meetings; prepared life cycle cost analyses of various alternates; and attended the pre- and post-bid meetings with the clients and analyzed contractor and subcontractor quotes and their ability to perform the project. Performed work on a portfolio of projects for the GDOT, Virginia Department of Transportation (VDOT), and Tennessee Department of Transportation (TDOT), as described below. Worked extensively on the following key projects for the Georgia DOT with a total value of $6 billion: • I-75 & I-85 Downtown Connector Improvements • Express Lanes on I-20 East from I-285 to SR 124 • I-20 Interchange – HOT Lane Connection • Bridge Replacement on I-20 at Savannah River, Richmond County • Bridge Replacement for Mackay & Darien • Bridge Replacement on Talmadge Bridge • Bridge Replacement for FY17 & FY18 • I-285 West Bound Ramp Extension • I-285 Peachtree Industrial Blvd Interchange • I-285 Aux Lane • I-16 Widening • Brayan County Mega Site project. (Frontage Rd, Old Cuyler Rd, US 280) • Bethlehem Road Interchange @ I-75 • I-85 @ SR 42 N Druid Hills Rd • Midtown Connector Project – MCP • The Switch Project • MARTA GSU Station Improvement Project • Roundabout at SR-14, SR-20, SR-60, SR-74, SR-82, SR-92 • I-75 & I-85 IOA Project • I-285 West Side

04/21 – Ongoing	**VDOT Project Portfolio, VDOT, Statewide, VA.** *Cost Estimator.* Worked extensively on the following key projects for VDOT with a total value of $380 million: • Hampton Road Express Lanes, Segment 1, Segment 1-A, Segment 3, Segment 4-AB, and Segment 4-C • Route 172 Wythe Creek Project • SPSA Flyover Ramp over US 13/58/460 Project
12/17 – Ongoing	**TDOT Project Portfolio, TDOT, Statewide, TN.** *Cost Estimator.* Worked extensively on the following key projects for TDOT with a total value of $550 million: • I-40 Donelson Pike Interchange Project • I-440 Widening • SR-115 – Alcoa Cherokee Project • I-65 Cumberland Bridge Replacement • I-24 Moccasin Bend – from I-59 to US 27
08/20 – Ongoing	**Existing Terminal A Building Replacement, Port Authority of New York and New Jersey.** *Senior Cost Estimator.* Replaced the Existing Terminal A Building with a New Terminal One Building, constructed a new roadway egress network, developed the airfield to serve the new terminal building and provided a parking facility at the front of the terminal building. Included the construction of a 33-gate common-use domestic terminal building, pedestrian bridge, frontage roads and bridges, AirTrain, aeronautical taxi-lane, new ramps, parking lot, sidewalk, canopies, signs, stairs, and elevators. Attended kick-off meetings with client stakeholders; reviewed design plans, specifications, drawings, and construction means and methods; conducted constructability reviews; and prepared independent cost estimates and value engineering.
09/18 – 03/20	**Renew Atlanta Bond Program/Transportation Special Purpose Local Option Sales Tax, City of Atlanta, GA.** *Cost Estimator*. Completed a $600 million program consisting of over 450 individual projects containing scopes of work such as pavement restoration/installation, traffic signalization, streetscape pedestrian improvements, bridges, ADA sidewalk upgrades, and upgrades to all the fire station buildings, as well as renovated parks and recreation centers, including trail improvement, development of a children's park, landscaping, pedestrian bridges, a decorative water fountain, and replacement of dehumidification units and park equipment. The program included more than 30 miles of Complete Streets projects, bicycle lanes, and synchronized Atlanta's traffic signals. Attended kick-off meetings, site visits, and constructability review sessions. Developed and reviewed scopes of work, prepared independent cost estimates for projects from conceptual design to final stages, and conducted detailed plan and constructability reviews, directing designers to make necessary updates .Created bid documents, responded to contractor Request for Informations, and prepared bid analyses; reviewed contractor payment invoices, assessed change order scopes with project managers, and provided independent estimates with detailed labor, material, and equipment breakdowns.

Firm employed by. ARCADIS			
Name	George Passaro, PE, CCM	Years of relevant experience with this employer	8
Title	Senior Construction Engineer	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		BS / 1993 / Civil Engineering, Brooklyn Polytechnic University	
Active registration number / state / expiration date		PE.0036269 / CT / Exp. 01/2027; PE.57420 / MA / Exp. 06/2026; PE.09527801 / NY / Exp. 12/2026; Certified Construction Manager	
Year registered	2015	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Construction Drawing Review	

Mr. Passaro is an experienced Project Manager with roles including Construction Superintendent, Scheduler, Estimator, and Project Engineer. He has contributed to independent cost estimates, value engineering, and risk workshops, offering expertise in constructability and project controls. His experience spans Massachusetts Bay Transportation Authority (MBTA), Southeastern Pennsylvania Transportation Authority, Metropolitan Atlanta Rapid Transit Authority, Miami-Dade Aviation Department, and Massachusetts Department of Transportation (MassDOT), involving schedule reviews, cost estimating, value engineering, claims analysis, and schedule management. As a Construction Manager, he has overseen planning, procurement, contract negotiations, construction oversight, change orders, testing, and project closeout.

Experience dates	Experience and qualifications relevant to the proposed contract
06/19 – Ongoing	**Project Controls Services Indefinite Quantity / Indefinite Delivery Contracts Z91PS27, Z91PS29, and Z91PS63 MBTA, MA.** *Cost Engineer.* Led task order assignments with the MBTA, performing a range of project controls services, including estimating, cost control, change management, constructability reviews, risk analysis, and value engineering studies. Worked as Lead Estimator, Constructability Lead, Risk and Value Engineering subject matter expert for numerous projects. Cost: $660 million
06/11– 11/15	**East Side Access, Long Island Rail Road, Amtrak, New Jersey Transit, Queens, NY.** *Cost Engineer.* Performed installation of new catenary structures, including drilled foundations, concrete placement, structure delivery and erection, removal of existing structures, electrical duct banks, including micro tunnel boring under existing track beds, train trestles including drilled shafts, bridge abutments, structural steel erection, and concrete placement. Cost: $300 million
11/15 – 03/17	**Various Projects, MassDOT, Statewide, MA.** *Cost Engineer and Estimator.* 30-40 MassDOT projects statewide. Performed quantity take-offs, supported Disadvantaged Business Enterprise participation, attended site visits, and reviewed specification and plans. Determined crew size and equipment, conducted productivity analysis, and developed material pricing using electronic estimating software Bid2Win. Prepared timely bid submittal through Bidx.com.
10/19 – 10/19	**Alewife Station, MBTA, Boston, MA.** *Cost Engineer and Constructability Lead.* Performed constructability and cost reviews of a phased station rehabilitation, including demolition of existing platforms, installation of mini-piles, pile caps, precast platforms, elevators, ramps/stairs, canopies, lighting, and power. Cost: $30 million
06/21 – 04/24	**Red Line/Orange Line Mainline Signals Upgrade MBTA, Boston, MA.** *Cost Engineer and Senior Estimator.* Served as a key member of the Red Line/Orange Line Infrastructure Improvements Program team. Arcadis provided Construction Management (specifically surrounding signals), Financial Controls, Claims and Changes support, Value Engineering, Risk Management for Scheduling/Estimating, and Environmental services, as well as serving as the Program Management Information System Lead for the program.

Firm employed by: ECM AN AVENTIA COMPANY

Name	**Kim Martindale Garlington, PE**	Years of relevant experience with this employer	6
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		BS / 1982 / Civil Engineering	
Active registration number / state / expiration date		PE 23848/LA/ Exp. 09/30/2026	
Year registered	1990	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Construction Drawing Review**	

Ms. Garlington is a Professional Civil Engineer with more than 41 years of bridge, elevated highway, and road construction. She worked for Louisiana Department of Transportation and Development (LADOTD) for 35 years as the Head of Pavement and Geotechnical Design, Lab Engineer and then Project Engineer before she retired. She is certified Traffic Control Supervisor, Flagger and Local Public Agency/ Construction Engineering and Inspection (CE&I) Certified.

Experience dates	Experience and qualifications relevant to the proposed contract
07/24 – Ongoing	**Jimmie Davis Bridge (Louisiana [LA] 511) - Construction of New Bridge crossing the Red River and Rehabilitation of Old Structure into a Linear Parkway – LADOTD State Project (SP) No H.001779, Bossier and Caddo Parishes, LA.** *Project Engineer* for the Construction Quality Control Manager (CQCM) services for this ***$361 million Design-Build Project*** to construct a new four-lane Red River Crossing on LA 511 between Bossier and Caddo Parishes. The scope for Bridge structure includes four major piers crossing the river and fourteen spans providing access to the adjacent parkways. Roadway work will include reconstruction of LA 511 into a median separate corridor and construction of Americans with Disabilities Act compliant bicycle and pedestrian facilities. After the new structure is completed, the existing LA 511 bridge will be rehabilitated and repurposed as a Linear Parkway, providing pedestrian access to existing and new parish trails on both sides of the river. (Clyde-Fant Parkway and Arthur Ray Teague Parkway)**.** This work includes piledriving, Drilled Shafts, cofferdams; prestressed Concrete Girders, steel girders, concrete barrier railing; at-grade roadway including earthwork, subbase and base, drainage, utilities relocation, Portland Cement Concrete (PCC) Pavement, asphaltic concrete pavement; roadway, and bridge lighting. The rehabilitation of the existing structure will consist of structural repairs, sandblasting, and painting operations prior to installing the linear park. As CQCM, Engineering Construction Management is responsible for all quality control inspections, materials sampling and testing and final materials certification during the project closeout.
02/22 – 07/24	**LA 1: Leeville to Golden Meadow (Phase 2), Leeville and Golden Meadow, LA.** *Project Engineer*. Responsible for ***construction administration and CE&I services for the project. This $463 million*** project is an 8.63 mile-long fixed concrete and steel structure elevated highway over the marshlands between the town of Leeville Golden Meadow, Louisiana. Due to environments constrains, the bridge needs to be constructed with no direct contact with the marshlands, with the exception of temporary steel support piles and the bridge's permanent concrete support pilings. The project is being constructed by "Top-Down" method of construction where a moveable temporary steel support bridge is built and occupied by the

	Contractor's construction equipment, while the permanent concrete bridge is built below. The temporary steel support bridge is approximately 2,000 ft. in length and will advance forward as the concrete bridge is built below. Construction for this elevated highway involves building the temporary steel support bridge to support all construction equipment; permanent concrete pile driving; installation of precast concrete pile caps; installation of precast concrete girders; pouring of concrete decks, concrete barrier rails and surface roadway both asphaltic concrete and PCC paving.
08/19 – 10/21	**SP No. H.003370, Intestate (I)-220 / I-20 Interchange Improvements and Barksdale Air Force Base (BAFB) Access Road – Design-Build, LADOTD, Bossier Parish, LA.** *Project Engineer* for this ***$82.1 million design-build project*** to construct a new I-220 extension South of I-20 that provides access to BAFB, adding access ramps and enhancing capacity at the I-20/220 interchange including construction of ***four bridge/overpass*** over the existing Kansas City Southern (KCS) railway and Musselshell bayou. This included ***an NB and SB I-220 overpass over I-20, and an NB and SB overpass over the KCS railway crossing*****.** Led a team of inspectors responsible for the ***Contractor's bridge construction*** activities that included pile driving, field pile acceptance, inspection of drilled shafts, installing bridge caps/abutments/columns, LG 78-54 and 45 prestressed concrete girders, diaphragms, shear keys and constructing bridge decks and approach slabs**.** Also included are **on grade roadway** including earthwork, subbase and base, drainage, utilities relocation**, PCC pavement**, and asphaltic concrete pavement. Worked with the Owner Verification Inspection team interpreting construction inspection specifications and contract performance specifications. Wrote the quality control (QC) portion of the Construction Quality Management Plan for the project as required by the LADOTD Construction Quality Assurance (QA)Plan. ***Utilized the LADOTD's Site Manager/Site Manager Materials/HEADLIGHT software daily.*** Evaluated QC/QA test results and generates Materials Test reports, Construction Inspection reports and writes Non-Conformance Reports (NCR's) on materials and construction activities when specifications are not met.
05/03 – 08/11	**SP No. 052-02-0024: Audubon Bridge and Approaches, LADOTD, Pointe Coupee and West Feliciana Parishes, LA.** *Department of Transportation and Development (DOTD) Pavement* and *Geotechnical Administrator* for this ***$410 million Design-Build project.*** This major bridge construction project involved installation of a major Mississippi River bridge crossing that included a 3186-foot-long cable stayed bridge, four smaller bridges, and approach roadways. Served as the *Geotechnical Representative* that reviewed and rated the design build proposals. Work included ***verification that specifications and standards were being met for the piles*** and eight- feet diameter drilled shafts of the cable stayed bridge and approach roadways. Consulted with the Department's CE&I Team on issues during construction regarding the installation of the drilled shafts, pressure grouting procedures, an interpretation of **load test results.** Served as the *Department's Geotechnical Field Expert* **during pile installation** on issues with the Pile Driving Analyzer and interpretation of load test results. Advised the Chief Engineer and ***provided recommendations to the CE&I Project Engineer*** on issues **regarding field acceptance of piles** and drilled shafts when installation criteria were not met.
09/14 – 08/16	**LADOTD - Natchitoches Parish – LA 490, LA 119, LA 488, LA 1220, LA 493, LA 495, LA 120, LA 480.** *Project Engineer* for the reconstruction projects in the parish. Her responsibilities included preconstruction design activities, plan review and ***administration of the construction contract.*** Work included clearing and grubbing, utility relocation, subgrade treatments, base rehabilitation, geosynthetic remediation measures, and asphalt pavement activities. Drafted change orders, reviewed invoices and recommended contractor payments. ***Also implemented the Department's Site Manager Materials software for QA on several projects.***

Firm employed by:	ECM AN AVENTIA COMPANY		
Name	**Zachary Collier, PE**	Years of relevant experience with this employer	7
Title	Project Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / Civil Engineering / 2018	
Active registration number / state / expiration date		PE #42957 / LA / Exp. 03/31/2027	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Construction Drawing Review**	

Mr. Collier has about 12 years of experience working on contract administration and construction engineering and inspection (CE&I), including four years with Louisiana Department of Transportation and Development (LADOTD) in District 61 Project Engineer's Office. His project experience includes highway, roads and bridge construction projects, roadway safety projects, roadway and bridge rehabilitation, drainage repair and enhancements, utilities relocations projects, and pedestrian facility improvements construction engineering and Inspection projects. His duties and responsibilities include administering construction contracts, planning review, staffing construction projects with certified inspectors, overseeing QA inspection services, changing orders preparation, and uploading documents in various Department of Transportation and Development (DOTD) platforms. Mr. Collier is Work Zone Traffic Control Flagger, Supervisor and Local Public Agency/CE&I certified.

Experience dates	Experience and qualifications relevant to the proposed contract
10/21 – Ongoing	**Belle Chasse Bridge and Tunnel Replacement, Public-Private Partnership (P3), Design-Build Project, Plaquemines Parish, LA.** *Project Engineer* for this ***$182 million, P3 design-build project***. This project includes construction of a new mid-level ***fixed span bridge*** spanning the Intracoastal Waterway on Louisiana Highway 23. The project also includes the demolition of the existing Perez Bridge and Tunnel. The new bridge is constructed conforming to current clearance standards for marine vessels as required by the US Coast Guard. This work includes pile load testing, pile driving, installing prestressed concrete girders, steel girders, concrete deck, on grade roadway including earthwork, subbase and base, drainage, utilities relocation, Portland Cement Concrete (PCC) pavement, Asphaltic Concrete pavement, concrete barrier railing, roadway lighting, Mechanically Stabilized Earth Wall construction and striping. Engineering Construction Management (ECM)'s Quality Control team of engineers and certified inspectors are responsible for ensuring that the project is completed in compliance with the contract documents and DOTD requirements.
07/20 – 02/22	**Severn Avenue Reconstruction: Veterans to W. Esplanade, Jefferson Parish, LA**. *Project Engineer* for this ***$14.2 million*** roadway construction project. This project includes PCC paving, major drainage improvements, Americans with Disabilities Act (ADA) facilities, the addition of dedicated bike lanes, addition of turn lanes, sidewalks, driveways, striping and pavement markings, traffic and pedestrian signals, street lighting parklets and landscaping etc. He provided construction administration and ***CE&I services*** that included coordination with DOTD, Parish and utility entities, overseeing quality assurance inspection services, data entry in ***Site Manager***, manage Request for Informations (RFI)s and submittals, review monthly pay estimates, and keep record of all documents in chronological order, project closeout documentation and final acceptance completing Form 2059.

09/19 – 12/22	**SP No. H.013579, Pecue Lane/I-10 Interchange Phase II: Bridges over I-10, LADOTD, East Baton Rouge Parish, LA.** *Project Engineer* for this ***$14.6 million overpass construction*** project that includes **two new multi-lane bridges** over I-10 in Baton Rouge that will formed the center of one of ***the state's first diverging diamond interchanges***. Provided ***contract administration and CE&I services*** that included project coordination, attending progress meetings, overseeing QA inspection services for compliance with contract documents and DOTD requirements, document management, data entry in ***Site Manager, manage RFIs and submittals***, review plan change requests, review monthly pay estimates, prepare plan changes, keep concise record of all documents in chronological order, closeout documentation for final acceptance, including the 2059.
11/24 – 03/26	**SP No. H.013094 Broad St. – Read Blvd Pedestrian Improvements, Orleans Parish, LA.** *Project Engineer* for this ***$5.7 million project*** which includes the installation of pedestrian signals, complete sidewalk and handicap ramp rehabilitation, and ***milling and overlaying the existing roadway***. He is providing ***CE&I services*** that include project coordination, managing inspection services, data entry in ***Site Manager***, managing RFIs and submittals, reviewing monthly pay estimates, and keeping concise records of all documents in chronological order so that project closeout documentation will be completed timely for final acceptance. He is also coordinating with DOTD, Parish and utility entities.
04/19 – 06/20	**SP No. H.006546 Intersection Upgrade N Canal & 7th St., Lafourche Parish, LA.** *Project Engineer* for this safety project which is part LADOTD Safe Routes to Public Places Program. Work on this project included installation of new turn lanes, ***milling and overlaying the exiting four lane roadway***, new traffic signals, sidewalks, and handicapped curb ramps. Provided contract administration that included project coordination, managing inspection services, data entry in Site Manager, managing RFIs and submittals, review monthly pay estimates, and keep concise record of all project documents.
10/17 – 10/18	**Essen Lane Widening, LADOTD, S.P. No. H.010560, East Baton Rouge Parish, LA.** *Project Engineering Team* for this ***$8 million roadway*** widening project. Work included adding an additional travel lane on northbound Essen Lane, new signalized intersections, new ADA ramps at all driveways and intersections, and additional drainage capacity. Provided ***contract administration*** support that included project coordination, managing inspection services, data entry in **Site Manager**, manage RFIs and submittals, review monthly pay estimates, and keep concise record of all documents in chronological order.
02/18 – 05/18	**I-110 Ramps at Convention and Florida, LADOTD, East Baton Rouge Parish, LA.** *DOTD Assistant Project Engineer***.** Responsible for the **construction administration** of this project that involved widening and rehabilitating the I-110 northbound **exit ramp** at Convention Street and the I-110 southbound **entrance ramp** at Florida Street. He attended pre-construction as well as construction progress meetings, and was responsible for supervising inspectors; review, managing and maintaining submittals, RFIs, test reports, daily inspection reports, **Non-Compliance Reports,** and other project documents. During site visits, he observed contractor's work activities for compliance with plans and specifications and reviewed and entered contractor's pay requests in Site Manager.
10/17 – 10/18	**SP No. H.011295 – Government Street Rehabilitation, East Baton Rouge Parish, LA.** *Member* of the of the Project Engineering team for the District 61, for this ***$12 million project***, which provided ***contract administration services***. Project scope included rehabilitating the sidewalks, driveways, and pavement on Government Street to add a bike lane and to create a more pedestrian friendly facility. This project also includes a roundabout at Government Streets intersection with Lobdell Avenue.

Firm employed by: ECM AN AVENTIA COMPANY

Name	**William J. Oliver, Jr., PE**	Years of relevant experience with this employer	1
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization		BS / 1985 / Civil Engineering	
Active registration number / state / expiration date		PE #23455 / LA / Exp. 09/30/2027	
Year registered	1989	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Construction Drawing Review**	

Mr. Oliver has more than 36 years of experience in project management, construction contract administration and construction engineering & inspection (CE&I) services for a wide variety of highways, roadway, bridges, drainage, and utilities projects. He worked for Department of Transportation and Development (DOTD) for 35 years and retired as the District Administrator for District 03. He is an American Traffic Safety Services Association certified Traffic Control Supervisor, Work Zone Traffic Control Flagger and Local Public Agency/CE&I.

Experience dates	Experience and qualifications relevant to the proposed contract
01/25 – Ongoing	**Carlyss Drive Extension, Phase 2 Project, Wrigh Road to S. Beglis Parkway, Calcasieu Parish, LA.** *Project Engineer* for the **$7.8 million roadway construction project** in Carlyss, LA. This project involves construction of 0.6 miles of four-lane divided curb and gutter roadway. The work consists of clearing and grubbing, embankment, base course, asphaltic concrete paving, storm drain, **reinforced concrete box culvert** as well as turn lanes and associated work on LA 27 (Beglis Highway). Has direct responsibility for securing that all ***work was performed in compliance with plans and specifications, verify quantities for payment to the contractor*** and track adverse weather days for adjustment of calendars for the contract time. Participates in bi-weekly meetings with parish managers and engineers, contractor and the design engineer to discuss phasing and progress on the project.
2019	**US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Broussard, LA.** *District Administrator* for the **$65.6 million** design build project. This project was a corridor improvement project to upgrade approximately 1.7 miles of the existing four-lane US 90 roadway to a six-lane controlled access facility that meets interstate standards. Also part of the team to determine selection of the project location, the Request for Quotation to determine the short list, and the technical grading team during the Request for Proposal process for selection of the Design Build team. Coordinated district staff with DOTD staff, the owner verification firm, and ***the design build team during the design and construction phases*** of the project.
2019	**Verot School Rd (Vincent - EX. 5-L) Lafayette, LA.** *District Administrator* for this **$37.3 million** capacity improvement project of Verot School Road. This project involves embankment, base course portland cement concrete (PCC) pavement, storm drains, concrete drives and sidewalks well as serving as the media spokesperson for the project. Provided inspection ***administrative oversite of the project that includes attending progress meetings, meeting with property and business owners,*** local and statewide elected officials concerning progress and phasing of the project, maintaining all construction field records requests, and reviewing monthly pay estimates. The project was a DOTD project in the capacity improvement program

2017	**Verot School Road Outfall Drainage Improvement Lafayette, LA.** *Area Engineer* for this **$12.3 million** clearing and drainage improvement project. This project involved clearing and grubbing, concrete paving, and three outfall channels as a DOTD project in preparation of the future widening project. ***Provided administrative oversite of the project which included project site inspections, and meetings with project managers and designers to resolve construction and design issues***, approval of change orders involving design changes and costs overruns, resolution of compliance issues, answering phone calls and meeting with property and business owners and local elected officials to resolve construction and access issues. The project was a DOTD project performed on behalf of Lafayette Consolidated Government.
2011	**Historic Parkerson Avenue Redevelopment Project Crowley, LA.** *Project Engineer* for the **$4.9 million downtown streetscape project**. This project involved the removal of all pavement and sidewalks of a 5 block section of Parkerson Avenue (LA 13) and construction of new concrete pavement, storm drain system and sidewalks with a wider median and angled parking The project also included enhancement items such as landscaped bulb outs, stamped concrete cross walk, and concrete pavers along the back of curb and in the bulb out areas He had ***direct responsibility for securing that all work was performed in compliance with plans and specifications***, payment made to the contractor and within the specified contract time.
2008	**Bayou Plaquemine Bridge and Approaches Crowley, LA.** *Project Engineer* for the **$7.2 million bridge replacement project**. This project involved the removal of the existing tow-lane ***bridge and construction of a new five-lane girder bridge***. The project also included the widening of the south approaching roadway to a four-lane with median curb and gutter section asphalt section and storm drain system. The north approach embankment was widened to provide the necessary transition to the existing two-lane roadway. Has direct responsibility for securing that all work was performed in compliance with plans and specifications, payment made to the contractor and within the specified contract time. This project was a DOTD project in the federal bridge replacement program
2004	**Jeff Davis Parish Line – Egan.** *Project Engineer* for the **$13.6 million I-10 rehabilitation project** in Acadia Parish. The project consisted of rubblizing the existing PCC pavement and overlaying with asphaltic concrete pavement on a 6.9-mile section of I-10. The work also included guardrail replacement, drainage structures, embankment, soil cement, underdrains and stone base course. Has direct responsibility for securing that all work was ***performed in compliance with plans and specifications, payment made to the contractor and within the specified contract time.*** This project was a DOTD project in the interstate rehabilitation program.
2003	**Egan Crowley.** *Project Engineer* for the **$16.5 million I-10 rehabilitation project** in Acadia Parish. The project consisted of rubblizing the existing PCC pavement and overlaying with asphaltic concrete pavement on an 8.0-mile section of I-10. The work also included guardrail replacement, drainage structures, embankment, soil cement, underdrains and stone base course, . Has direct responsibility for securing that all work was performed in compliance with plans and specifications, payment made to the contractor and within the specified contract time.
2001	**I-10 Rehabilitation.** *Project Engineer* for the **$17.8 million I-10 rehabilitation** project in Acadia Parish. The project consisted of rubblizing the existing PCC pavement and overlaying with asphaltic concrete pavement on a 13.9 section of I-10. The work also included guardrail replacement, drainage structures, embankment, and stone base course. Has direct responsibility for securing that all work was performed in compliance with plans and specifications, payment made to the contractor and within the specified contract time. This project was a DOTD project in the interstate rehabilitation program.

OTHER SUPPORT STAFF

(Tolling, ITS design, Aesthetic Lighting, Graphics & Presentations, Alternative Delivery Technical Services, etc.)

Firm employed by: CDM Smith			
Name	**David Aron, PTP, PMP**	Years of relevant experience with this employer	19
Title	Senior Project Manager III	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BA / 2005 / Political Science	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Tolling Support**	

David has over 20 years of experience in traffic and revenue (T&R) forecasting, transit planning, and data collection and analysis for planning firms and agencies. His investment-grade T&R analyses have supported billions in toll revenue bonds across the U.S., and his annual forecasting work supports planning efforts for Florida tolling agencies. David performed the initial T&R analyses for the implementation of all-electronic tolling in Miami and for national programs. He played a key role in developing several major greenfield projects, along with numerous capital improvement plans, toll rate adjustments, and customer discount programs. David has uniquely adapted CDM Smith's proprietary cost-ratio methodology for use in mode-share and transit-planning analyses. His additional areas of specialization include project management, T&R forecasting, data analysis, data collection, transportation modeling, national tolling programs, and public policy. *Professional Transportation Planner (PTP), Transportation Professional Certification Board; Project Management Professional (PMP), Project Management Institute*

Experience dates	Experience and qualifications relevant to the proposed contract
11/21–06/26	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation, Mobile, AL.** *Project Manager/Analyst.* David assisted the project team with analyzing traffic data and developing a balanced traffic profile for I-10 and US 98 in Mobile and Baldwin Counties. Following this, he assisted the project team in developing the ***initial T&R forecasts,*** including an analysis of toll sensitivities and the incorporation of a monthly discount program. During a follow-up study, David assumed the role of Project Manager. He responded to methodology questions from the client's study team, developed updated T&R forecasts, conducted various sensitivity tests, and produced the final report.
10/24-04/25	**Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study, New Orleans, LA.** *T&R Analyst*. David was ***the T&R analyst for the Lower St. Bernard/Louisiana International Terminal Roadway Network*** and Resilience Study. The project focused on strengthening the terminal's roadway network and improving its resilience. His expertise supported the development of a reliable and resilient transportation system to meet the region's needs.
07/20–05/26	**Mississippi River Bridge South Enhanced Planning Study, Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Project Manager/Project Technical Leader.* David led the CDM Smith team in developing ***planning-level T&R forecasts*** for a proposed new bridge south of Baton Rouge. The study produced traffic volume, travel time savings, and revenue estimates that enabled the project team to narrow 32 proposed alignments to three preferred alternatives. During Phase II, David guided the technical team in developing updated T&R forecasts for the three preferred alternatives in close coordination with LADOTD, incorporated an independent socioeconomic review, updated highway improvement assumptions, and revised toll rate structures.
03/19–Ongoing	**Traffic and Earnings Consultant Contract, Central Florida Expressway Authority (CFX), Orlando, FL.** *Analyst.* David's efforts include developing annual T&R forecasts, presenting ongoinging forecast results to project stakeholders, developing and

	reviewing T&R forecasts for various proposed improvements, reviewing traffic models, analyzing historic traffic trends and patterns, and documentation. His projects include: • Annual T&R Forecast Updates • FY 2025 Southport Connector T&R Study • FY 2025 SR 417 to Orlando Sanford International Airport Connector Project Development and Environment (PD&E) Study • FY 2024 Poinciana Parkway Extension T&R Study • FY 2022 SR 417 and Airport Boulevard T&R Study • FY 2021 BRAM Feasibility Analysis (proposed transit between Orlando International Airport (MCO) and I-Drive)
01/07–Ongoing	**General Traffic and Revenue Consultant, Greater Miami Expressway Agency (GMX), Miami, FL.** *Project Manager/Analyst.* David plays a major role in ***performing T&R studies under an ongoing contract***. Tasks include project management, traffic forecast development, traffic model development, analysis of tolling scenarios and project alternatives, review of historical traffic trends and patterns, development of detailed schematics, data collection, and documentation. His projects include: • FY 2024-2025 Kendall Parkway Planning-Level T&R Study • FY 2023 Regional Travel Demand Model Update • Investment Grade Traffic and Revenue Studies and Updates (Various, 2010-2016) • Annual Traffic and Revenue Updates • Toll Rate and Toll Discount Studies (2016, 2018, 2019) • 2018 SR 836 Extension T&R Study • Long-Range Projects – T&R Studies (2015-2017, 2011-2012)
01/07–Ongoing	**Traffic and Revenue Consultant, Colorado E-470 Public Highway Authority, Denver, CO.** *Project Manager/Analyst.* David plays a major role in performing T&R studies under an ongoing contract. Tasks have included traffic data analyses, traffic profile development, travel demand modeling, estimation of future traffic and revenue under various highway improvement and tolling scenarios, national toll rate and toll discount research and summarization, and toll sensitivity analyses. His projects included: • 2025 National Toll Discount Survey and Impact Scenarios Analysis • Investment Grade T&R Studies (2008, 2014, 2020) • T&R Forecast Update Studies (2009, 2011, 2013, 2024) • Toll Rate Structure Analyses (2011, 2017, 2020, 2021, 2023) • 2019 Commercial Vehicle Discount Analysis • 2018 Aurora Highlands T&R Impact Study • Interchange Improvement Impact Study

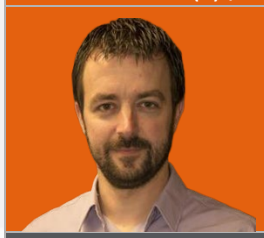
Firm employed by: CDM Smith			
Name	**Wesley (Wes) Blackwell, PMP**	Years of relevant experience with this employer	20
Title	Principal/Project Technical Leader	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS / 1988 / Electrical Engineering Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Tolling Support**	

Wes is a senior transportation analyst specializing in sales, bid, and proposal development and analysis, product development, and contract negotiations in both U.S. and international markets. His tolling system experience includes all-electronic tolling, cordon zone pricing, managed lanes, electronic toll collection operations, equipment design and integration, toll system procurement and testing, business rule development, and systems analysis. *Project Management Professional (PMP), Project Management Institute*

Experience dates	Experience and qualifications relevant to the proposed contract
12/15 – 06/26	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation (ADOT), Mobile, AL.** *Toll System Estimator.* Wes provided capital, operational, and maintenance cost estimates for roadside and back-office tolling systems, giving ADOT an order-of-magnitude understanding of future costs for tolling the Bay Bridge and Bayway. Since 2011, CDM Smith has supported ALDOT with pricing and tolling studies for the Mobile River Bridge and Bayway improvement project, including sketch, planning, and comprehensive T&R forecasts and PPP procurement support. Since 2019, CDM Smith has developed planning-level forecasts for new scenarios, completed a fully updated investment-grade study, and supported toll policy development, design, and grant processes.
01/23 – 05/26	**Mississippi River Bridge South to Greater Baton Rouge: LA 1 to LA 30 Connector Phase II Study, LADOTD, Baton Rouge, LA.** *Toll System Estimator.* Wes provided capital, operational, and maintenance cost estimates for roadside and back-office tolling systems, giving LADOTD an order-of-magnitude understanding of the long-term costs of purchasing, installing, and operating a tolling system for the Mississippi River Bridge. CDM Smith evaluated new access across the Mississippi River and new connectivity between LA 1 and LA 30 to strengthen the Greater Baton Rouge Area cross-river network and maximize daily usage. Phase II included a broader NEPA-focused engagement effort with detailed analyses of the remaining three alternatives to identify a preferred option.
03/13 – 01/16	**I-49 South Extension T&R Study, LADOTD, Baton Rouge, LA.** *Toll System Estimator.* Wes provided capital, operational, and maintenance cost estimates for roadside and back-office tolling systems. This work gave LADOTD an order-of-magnitude understanding of the long-term costs associated with purchasing, installing, and operating a tolling system for I-49 South. CDM Smith's study assessed toll feasibility, conducted traffic forecasts, and evaluated revenue potential for the I-49 South project, which would connect Lafayette to New Orleans. The study included a preliminary toll feasibility assessment in 2001, a post-Katrina update in 2007, and a comprehensive update in 2014 that incorporated new data collection and model calibration.

05/12 – 01/16	**Ouachita River Bridge EIS, LADOTD, Ouachita Parish, LA.** *Toll System Estimator.* Wes provided capital, operational, and maintenance cost estimates for roadside and back-office tolling systems, giving LADOTD an order-of-magnitude understanding of the long-term costs of purchasing, installing, and operating a tolling system for the Ouachita River Bridge. The project proposed a new four-lane bridge north of Monroe and West Monroe to reduce congestion on existing crossings and form part of a future 6-mile loop around the cities. CDM Smith prepared a Level 1 Toll Study Report in 2013, analyzing traffic and toll revenue potential, toll equipment capital costs, and operational expenses, followed by a 2014 update using recent traffic data and calibrated travel demand models
08/23 – Ongoing	**Tennessee Choice Lanes Level 1 T&R Study, Tennessee Department of Transportation (TDOT), Davidson and Rutherford Counties, TN.** *Project Manager.* Wes is performing all internal project management tasks, including financial activities (invoicing, accounts receivable), enrollment of contractual documents (supplemental task orders, insurance certificates), and client feedback coordination. CDM Smith is serving as a subconsultant on a study evaluating the T&R potential of implementing choice lanes on the I-24 corridor in Tennessee as part of TDOT's effort to explore alternative solutions to reduce congestion and improve traffic flow. Key deliverables completed to date include traffic data analysis, economic forecasts, and stated-preference surveys. Upcoming tasks include finalizing the T&R forecasts, conducting sensitivity tests, and preparing the final report
06/21 – 06/25	**Statewide Tolling System, Oregon Department of Transportation, Portland, OR.** *Senior Roadside Systems Support.* Wes contributed to the Systems Engineering Management Plans and Concept of Operations Plans and supported project document reviews, including business rules, factory acceptance testing plans, roadside commissioning and testing plans, and request for propsal (RFP) development for roadside system procurement. He also reviewed system integrator bid responses, engineering estimates, and other project-related documentation.
11/10 – Ongoing	**Toll and Revenue Contracts, Maryland Transportation Authority (MDTA), Statewide, MD.** *Project Manager/Project Technical Leader.* Wes has supported MDTA contracts off and on since 2010. He led system design and development of procurement documentation for the next-generation electronic toll collection system, the I-95 Express Toll Lanes open-road tolling (ORT) project, and the InterCounty Connector ORT project. His responsibilities include coordinating toll system design with MDTA, reviewing and evaluating technical and cost proposals, monitoring toll contracts, overseeing factory and field testing, assisting staff during system deployment and commissioning, and evaluating system performance. CDM Smith has served as both prime and subconsultant on this contract. In its current role as a subconsultant, Wes has contributed to three task orders: quality assurance, costs to collect, and a best-practices survey of other tolling agencies.
12/08 – 01/23	**I-85 HOV to HOT Lanes, State Road and Tollway Authority (SRTA), Atlanta, GA.** *Deputy Project Manager.* As a subconsultant on a General Engineering Consulting (GEC) contract, Wes oversaw toll system elements for the dynamically priced I-85 High-Occupancy Vehicle (HOV)-to-High-Occupancy Toll (HOT) lanes project. His responsibilities included coordinating toll system design with the SRTA's systems consultant; reviewing and evaluating technical and cost proposals; monitoring toll contracts; providing quality assurance support for GEC documents; and preparing technical content for the SRTA's Concept of Operations Plans.

Firm employed by: CDM Smith			
Name	**Zoran Todorovic, PTP**	Years of relevant experience with this employer	17
Title	Transportation Modeler	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		MS / 2007 / Community and Regional Planning BS / 2003 / Traffic and Transportation Engineering	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Tolling Support**	



Mr. Todorovic has more than 19 years of experience as a transportation planner and modeler. He has worked on a wide range of transportation projects, from model development and interchange studies to corridor analyses and statewide models. His experience includes both developing travel demand models and applying them. He primarily uses CUBE for modeling through model catalogs or individual scripts. His additional skills include programming, data processing, Geographic Information Systems (GIS), and database development. *Professional Transportation Planner (PTP)*

Experience dates	Experience and qualifications relevant to the proposed contract
12/15 – Ongoing	**I-10 Mobile River Bridge and Bayway- Comprehensive Traffic & Revenue (T&R) Study, Alabama Department of Transportation (ALDOT), AL.** *Transportation Modeler*. CDM Smith has worked extensively with ALDOT on the proposed $3.2 billion I-10 Mobile River Bridge and Bayway project, with its primary role focused on ***developing the T&R forecasts***. The firm directed data collection and survey efforts, built the travel demand model, and produced multiple T&R reports, presentations, and memos. Led the development, calibration, and validation of the CUBE travel demand model. Created a four-period time-of-day model using 2023 hourly vehicle classification counts, independent socioeconomic forecasts, a stated- preference survey, and travel pattern data. The model included a 2030 base year and four future years: 2025, 2045, 2055, and 2065. Completed toll sensitivity analyses and revenue estimates.
10/24 – 04/25	**Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study, New Orleans, LA.** *Transportation Modeler*. Played a ***key role in the Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study.*** The project focused on strengthening the terminal's roadway network and improving its resilience. Modeling and planning expertise supported the development of a reliable and resilient transportation system to meet the region's needs.
07/24 – 03/25	**SR 417 to OSIA Connector Project Development and Environment (PD&E) Study, Central Florida Expressway Authority (CFX), FL.** *Transportation Modeler*. Played a key role in the SR 417 to OSIA Connector PD&E Study for the CFX. As a core member of the consulting and planning team, ***contributed to the project's traffic and revenue forecasting***, travel demand modeling, and socioeconomic data analysis. Supported the development of future traffic volumes, capacity analysis, and traffic materials for public engagement. Helped align the study with CFX's goals and strengthened the region's transportation network.

07/08 – Ongoing	**Illinois Tollway Traffic Engineering Retainer, IL.** *Transportation Modeler*. Provides ongoing support for the Illinois Tollway, contributing to CUBE travel demand model development, GIS applications, technical input for official publications, alternative network evaluations, and traffic and revenue analyses. Has supported projects such as the proposed Archer Avenue interchange, the proposed IL-53/120 extension, the Central Tri-State Tollway Corridor Concept Study, the proposed Elgin O'Hare Western Access, and several other targeted assignments.
01/18 – Ongoing	**Transportation Modeler, Indiana Statewide Tolling Strategic Plan, Indiana Department of Transportation (INDOT), IN.** *Transportation Modeler*. This ***tolling study evaluated the potential tolling of currently non-tolled interstate highways*** using a data-driven approach to help INDOT and the state of Indiana assess options and outcomes early in the decision-making process. CDM Smith's work included ***leading traffic and revenue studies, advising on tolling policy,*** providing NEPA oversight, and supporting environmental analysis. Phase one focused on developing a statewide strategic plan in accordance with House Enrolled Act (HEA) 1002, using CDM Smith's interstate tolling analysis software and the statewide transportation model to produce high-level traffic and revenue results. Served as the lead travel demand modeler, converting Indiana's statewide model to the CDM Smith CUBE tolling model and completing its calibration and validation. Also developed traffic and revenue estimates and performed toll sensitivity analyses. The study supports INDOT's evaluation of tolling as a potential funding mechanism for major interstate improvements, including widening I-65 and I-70 outside I-465 to at least six lanes, border to border.
02/21 – 04/22	**Transportation Modeler, State of Michigan Statewide Tolling and Managed Lanes Feasibility Study, Michigan Department of Transportation (MDOT), MI.** *Transportation Modeler*. This project was a planning-level T&R study that examined possible tolling of currently non-tolled interstate and other limited-access highways in Michigan. The study provided analysis of traffic, revenue, and potential diversion. The results were used as one of several criteria to support initial screening of potential toll corridors in Michigan by the CDM Smith team. Was the lead travel demand modeler for this study. Tasked with the conversion of the Michigan statewide travel demand model to the CDM Smith CUBE platform, incorporating StreetLight origin-destination data into the model, and calibrating and validating the model. Zoran also developed traffic and revenue estimates for this study., which
10/20 – Ongoing	**Southport Connector Expressway Corridor Study, Osceola County, FL.** *Transportation Modeler*. The travel demand modeling (TDM) process was used to simulate current traffic conditions and to estimate future travel demand for the entire Southport Connector Expressway corridor from Poinciana Parkway to Florida's Turnpike (SR 91). The TDM was based on the Central Florida Regional Planning Model (CFRPM) v6.1, produced by the Florida Department of Transportation (FDOT), District 5 and updated with South Lake Toho Conceptual Master Plan (SLTCMP). Oversaw the creation of the travel demand model and reviewed it for accuracy and reliability. Toll sensitivity analysis and revenue projections for this toll facility considered future traffic increases and road expansions and upgrades.

Firm employed by: CDM Smith			
Name	**Richard Tillery, AICP**	Years of relevant experience with this employer	3
Title	Senior Project Manager	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		BA / 1994 / Urban and Regional Planning	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Tolling Support**	

Richard is a modeling lead and a key contributor to CDM Smith's Travel Demand Community of Practice. He specializes in travel forecasting and modeling and has 30 years of experience developing, validating, and applying regional and statewide travel demand models (TDMs) to support transportation and traffic studies. Throughout his career, he has managed and coordinated complex technical projects, including long range transportation plans, multimodal corridor and subarea studies, managed lane and toll feasibility studies, and NEPA studies. He is recognized for delivering accurate forecasts and actionable insights that guide transportation investment decisions and improve mobility across diverse regions. *American Institute of Certified Planners (AICP - No. 17067 – Exp. 12/31/2026)*

Experience dates	Experience and qualifications relevant to the proposed contract
10/24 – 04/25	**Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study, New Orleans, LA.** *Project Manager*. Richard was the project manager for the Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study. The project focused on strengthening the terminal's roadway network and improving its resilience. His expertise supported the development of a reliable and resilient transportation system to meet the region's needs.
04/19 – 06/26	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation (ALDOT), Mobile, AL.** *Quality Assurance/Quality Control (QA/QC) Advisor.* Richard reviewed the analysis of traffic data and the development of a balanced traffic profile for I-10 and US 98 in Mobile and Baldwin Counties. The project team developed the initial T&R forecasts, including an analysis of toll sensitivities, and incorporated a monthly discount program. During a follow-up study, the team responded to methodology questions from the client's study team, developed updated traffic and revenue forecasts and various sensitivity tests, and produced the final report.
01/23 – 12/25	**Mississippi River Bridge South Enhanced Planning Study, Louisiana Department of Transportation and Development (LADOTD), Baton Rouge, LA.** *Project Manager.* Richard led the traffic forecasting and toll feasibility analysis for a new Mississippi River crossing in Baton Rouge. The study included developing a project specific model based on the Capitol Regional Planning Commission TDM, with emphasis on traffic crossing the river and along I 10, LA 1, and LA 30, as well as creating interim and forecast year models. These models were used to prepare and summarize No Build and Build "No Toll" forecasts for three alternative crossings for the LA 1 to LA 30 connector. They provide the foundation for a sketch level analysis of future T&R for the connector.
10/23 – 05/25	**Louisiana International Terminal Access Road Traffic and Level 1 Toll Analysis, New Orleans Regional Planning Council (NORPC), New Orleans, LA.** *Project Manager.* Richard led the traffic forecasting and planning level toll analysis for transportation improvement alternatives intended to enhance access to a planned container port facility in St. Bernard Parish. The study included developing a project specific model using the Southeast Louisiana Regional Travel Model (SELATRAM) to evaluate future traffic impacts and the toll feasibility of the proposed improvements.

11/25 – Ongoing	**Southeast Florida Managed Lanes 2026 T&R Study, Florida Turnpike Enterprise (FTE)/Florida Department of Transportation (FDOT), Miami, FL.** *Project Manager.* The project involves developing planning level, 10 year T and R forecasts for Southeast Florida's managed lane facilities, including 95 Express, 75 Express, and Palmetto Express. The study uses an updated Express Lanes Time of Day (ELToD) modeling framework, calibrated to a 2024 base year, to evaluate future traffic, toll transactions, and revenues under defined network and tolling assumptions. Forecasts are prepared for Fiscal Years 2027 through 2036 and include a risk based P75 revenue estimate developed through sensitivity testing and Monte Carlo analysis. The results will support FDOT's and FTE's financial planning and decision making for managed lane operations and investments.
04/25 – Ongoing	**I-526 Lowcountry Corridor East T&R Study, South Carolina Department of Transportation (SCDOT), Charleston, SC.** *Traffic Modeling Lead.* Richard is working with the CDM Smith team to lead a thorough traffic analysis as part of the existing conditions report and forecast demand estimation for the corridor. The analysis incorporates accident data, traffic counts, vehicle classification counts, origin-destination data to track movements at the interchange ramp level and incorporates travel demand data from the Charleston regional travel demand model.
08/22 – 08/25	**Traffic Demand Modeling and On-Call Services, SCDOT, Statewide, SC.** *Project Manager.* For this repeat multi-year on-call contract, CDM Smith provided planning experience, technical travel demand modeling assistance, and training to the SCDOT's Office of Statewide Planning. Richard led the training and development of the South Carolina Statewide Model. He also developed documentation and training for users on how to develop, calibrate, apply, and evaluate the models.
06/23 – 06/24	**Travel Demand Model Update, Sumter Urban Area Transportation Study (SUATS), SCDOT, Sumter, SC.** *Project Manager.* Richard led the update of the SUATS Travel Demand Model, including updates to the base- and forecast-year models, the model trip generation, trip distribution, mode choice, highway assignment and truck model modules, and validation/ calibration of the model.
08/24 – 09/25	**Travel Demand Model Update, Appalachian Council of Governments (AGOG), SCDOT, Greenville, SC.** *Project Manager.* Richard led the update of the Appalachian Regional Model, including updates to the base- and forecast-year models, the model trip generation, trip distribution, mode choice, highway assignment and truck model modules, and validation/ calibration of the model.
06/24 – 02/26	**Houston Urban Core Study Phase 2, Texas Department of Transportation (TxDOT), Houston, TX.** *Project Manager.* Richard led the update and application of the Houston agent-based dynamic traffic assignment model to support the evaluation of traffic operations across a wide range of regional scenarios. His responsibilities included overseeing model updates and scenario development, summarizing results using standardized measures of effectiveness, and confirming consistent interpretation of operational performance outcomes. Model results were synthesized and visualized through interactive dashboards to clearly communicate findings with technical and non-technical stakeholders.
06/23 – Ongoing	**I-285 Top End Bus Rapid Transit (BRT) Study, Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, GA.** *Ridership Forecasting Lead.* Richard is leading the transit ridership forecasting for the evaluation of BRT in the planned managed lane system on I-285. Forecasts are generated for various alternatives using FTA's Simplified Trips-on-Project Software (STOPS).

Firm employed by. ARCADIS			
Name	**Paul Hsu, PE**	Years of relevant experience with this employer	13
Title	Principal Intelligent Transporation Systems (ITS) Engineer	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		BS / 2002 / Electrical & Computer Engineering, Louisiana State University (LSU)	
Active registration number / state / expiration date		PE.0035983 / LA / Exp. 03/2027	
Year registered	2011	Discipline	Electrical Engineer
Contract role(s) / brief description of responsibilities		**ITS Design and Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Hsu is a **Principal ITS Engineer and Project Manager with over 20 years of experience** working in both the public and the private sectors. He has managed and led ITS design teams for a variety of ITS projects for the Louisiana Department of Transportation and Development (LADOTD), Alabama Department of Transportation, Mississippi Department of Transportation (MDOT), Texas Department of Transportation, Florida Department of Transportation (FDOT), and Georgia Department of Transportation. His areas of **expertise in ITS include design and analysis of field devices, communication systems, video systems, electrical systems**, traffic management centers, Connected and Autonomous Vehicles, **Systems Engineering Analyses (SEAs)**, and **ITS architectures** for several Departments of Transportation including Department of Transportation and Development. He has a wealth of design experience in developing plans, specifications, special provisions, construction estimates, project schedules, Traffic Management Plans (TMPs), Federal Aviation Administration evaluations, and LADOTD Constructability/Biddability reviews. In addition, his experience also includes providing **construction engineering support services** such as reviewing shop drawings, as-built drawings, and Request for Information. **Mr. Hsu meets Minimum Personnal Requirement Number 5.**
11/20 – Ongoing	**I-10 Widening CMAR – ITS and Traffic Design, LADOTD, Baton Rouge, LA.** *Senior ITS and Electrical Design Lead***.** Led and delivered a 100% Signed and Sealed PS&E package for two ***ITS designs*** simultaneously: Smart Work Zone (SWZ) system for Stage 1 of the I-10 construction and permanent ITS deployment to upgrade existing ITS equipment. Conducted an ***ITS Systems Engineering Analysis*** and documented the results in an SEA report for LADOTD. Included 41 Portable PCMS, 26 queue detection sensors and 10 portable CCTV trailers. Involved relocating the existing electrical and communication systems by deploying a joint utility carrier duct bank for multiple users including LADOTD and AT&T.
06/18 – 10/19	**I-10 Queue Warning SEA, LADOTD, Baton Rouge, LA.** *Project Manager and Senior ITS and Electrical Engineer.* Led a comprehensive team of ITS, Traffic, Data, and Safety engineers specialized in their respective areas to complete a ***highly complex and first-of-its kind ITS Systems Engineering Analysis involving the evaluation and design of a Queue Warning system*** for a frequently congested corridor on I-10 eastbound from LA-77 to I-110. Developed short, medium, and long-term options to provide a comprehensive approach to enhancing traveler safety within the project area. In addition to ***developing the operational concept,*** physical architectures, and ***alternative analysis*** configurations, provided ***preliminary 30% design plans*** that included Queue Warning design alternative analysis, communication system integration, electrical system design recommendations, ***opinions of probable cost, and design drawings.***
08/15 – 02/16	**I-10 Twin Span ITS, LADOTD, Orleans and St. Tammany Parishes, LA.** *Project Manager and Senior ITS and Electrical Engineer.* ***Designed an electrical system to power the new and proposed ITS field devices*** within the project limits. Upgraded the existing

	electrical and communication systems to accommodate and meet the new ITS deployment's requirements. Designed a single-phase electrical distribution system. Major responsibilities included performing the electrical analysis for each ITS device and designing the system so that the field site meets the electrical code requirements while providing sufficient capacity for current and future demand. Other tasks of the project also included conducting the overall ***communication system design,*** developing a level 2 TMP, ***preparing quantities and cost estimates***, as well as ***preparing plans and specifications.***
05/12 – 06/13	**Monroe Phase 1 ITS Design, LADOTD, Monroe, LA.** *ITS and Electrical Engineer.* Worked with a wide ***range of communication configurations as well as a variety of ITS devices*** because an existing deployment was required to be integrated into an upgraded system as requested by LADOTD. A mixture of different types of communication systems had to be deployed because of limited resources as well as budget constraints. Performed ***electrical analysis and design*** for the implementation of each ITS device and designed the system so that each and every location meets the electrical code while providing sufficient capacity for current and future demand. Other tasks also included conducting overall ***communication system design, preparing quantities and cost estimates, as well as preparing plans and specifications.***
06/13 – 12/13	**Sunshine Bridge ITS Design, LADOTD, St. James Parish, LA.** *ITS and Electrical Engineer.* Worked with a wide range of communication configurations as well as ***designed a bridge conduit system*** that can accommodate ***fiber optic communications*** to reach ITS devices across the Sunshine Bridge on LA 70. In addition to the challenges of selecting a suitable conduit system for the bridge application, a mixture of different types of communication systems had to be deployed because of limited resources as well as budget constraints.
12/13 – 02/16	**ITS Design and Specs IDIQ, MDOT, Statewide, MS.** *ITS and Electrical Engineer.* Managed MDOT ***design plan development of ITS projects*** including Desoto County ITS (CMAQ 2013), Jackson County ITS, and Lakeland Drive ITS deployments. Assisted with the development of various ***SEAs*** as requested by MDOT for ITS projects including Desoto County ITS (CMAQ 2013), Jackson County ITS, Hattiesburg ITS, Gluckstadt ITS, I-55 Widening ITS, and the SR 601 Incident Management ITS deployments. The ITS design services included evaluation and recommendations for ITS ***field device designs, conceptual design and cost estimates***, QA/QC, preparation of notice-to-bidder and special provision documents for other ITS designs, ***engineering support during construction***, submittal review, and design management. Prepared the MDOT ITS design manual and technical specifications as part of this task.
10/17 – 01/22	**Wekiva Parkway Section 6 ITS Design Build Florida Department of Transportation, Lake and Seminole County, FL.** *Senior ITS and Electrical Engineer.* ***Designed and implemented a design-build ITS deployment and electrical power distribution system*** within the FDOT right of way to power the proposed ITS field devices within the project. Conducted a short circuit and protection coordination study for the designed power system and developed and submitted a power system design report to FDOT. Included disconnects, transformers, power meters, Uninterruptible Power Supply, power distribution units, conduits, conductors and cables, pull boxes, surge protection devices, grounding systems, and lightning protection systems in the electrical power system design. Performed electrical analysis for the implementation of each ITS devices and designed the system so that every field site meets the electrical code while providing sufficient capacity for current and future demand. Other tasks of the project also included conducting voltage drop calculations, coordinating with multiple electrical utility companies, and ***developing Plans, Specifications & Estimates***.

Firm employed by. ARCADIS			
Name	**Vamshi Mudumba, PE, PTOE**	Years of relevant experience with this employer	10
Title	Senior ITS Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		MS / 2007 / Civil Engineering, Louisiana State University BS / 2007 / Civil Engineering, Osmania University	
Active registration number / state / expiration date		PE. 036972 / GA / Exp. 12/31/2024	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**ITS Design and Support**	

Mr. Mudumba has more than 18 years of experience in managing transportation planning and Intelligent Transportation Systems (ITS) engineering projects throughout the U.S. He has worked on various ITS design and design-build projects in Louisiana, Georgia, Tennessee, and Florida. His transportation engineering/planning experience includes, but not limited to, countywide ITS equipment and communication design, ITS specifications development, ITS cost estimation, Advanced Traffic Management Systems (ATMS) design, traffic control plans development, travel demand modeling, and signal design.

Experience Dates	Experience and qualifications relevant to the proposed contract
05/15 – 01/17	**Georgia Department of Transportation (GDOT), I-75 South Managed Lanes Design-Build Design and Verification, Henry and Clayton Counties, GA.** *ITS Engineer*. Managed an 18-mile interstate corridor and 1.5-mile arterials corridor. The project included designing three Master HUB units, more than 40 miles of fiber optic backbone system, 60 Closed-Circuit Television (CCTV) cameras, 30 infrared cameras, 50 Changeable Message Signs, 61 Microwave Detector Units, and 60 Automated Vehicle Identification units. The project also involved designing the barrier-separated managed lane Access Control System, which included communication and control to 60 gates and seven open road tolling system.
06/14 – 05/15	**Florida Department of Transportation (FDOT), I-95 ITS Design, St. Johns County, FL.** *ITS Engineer.* Performed analysis and design of an ITS network for Interstate 95. The project was completed on an accelerated schedule and required integration into the existing ITS architecture. Prepared construction plan sets for field equipment, communications, and devices, including Dynamic Message Signs (DMS), CCTV systems, and Microwave Vehicle Detection Systems, to integrate with the existing FDOT SunGuide System, as well as the St. Johns County fiber optic system along County Road (CR) 210, International Golf Parkway, State Routh (SR) 16 and SR 207.
10/17 – 01/22	**FDOT District 5, Wekiva Parkway Section 6 Design Build, Lake and Seminole County, FL.** *Associate Project Manager*. Designed, constructed, installed, and integrated a new ITS deployment and electrical power distribution system as part of a design-build project. Prepared quantities and cost estimates, developed plans and specifications, and provided technical support during construction, including Request For Information reviews and shop drawing reviews.
06/17 – 10/18	**Texas Department of Transporation (TxDOT), ITS Master Implementation Plan and Connected Vehicles Readiness, Fort Worth, TX.** *Associate Project Manager*. Developed the 5-year ITS Master Implementation Plan (MIP) to guide TxDOT Fort Worth District in developing ITS strategies and network along key corridors. Led the team to evaluate 59 key corridors within the Fort Worth District and developed a 5-year ITS deployment plan. Major tasks included, but were not limited to, developing ITS vision and goals, existing ITS related systems and networks, coordinating with stakeholders, identifying district needs, and developing key ITS projects.

07/16 – 12/18	**North Avenue Smart Corridor, City of Atlanta, GA.** *Associate Project Manager.* Developed the recommended concept for the deployment of Internet of Things devices and other technologies, including phasing recommendations to maintain quick implementation, cost effectiveness, and use within the existing corridor footprint. The project included deploying adaptive system technology combined with artificial intelligence, vehicle-to-infrastructure technology and a robust communication system.
08/09 – 03/11	**Louisiana Department of Transportation and Development, Baton Rouge to Lafayette ITS Design-Build, Multiple Parishes, LA.** *ITS Engineer*. Provided ITS design, construction, and integration services. Managed, led, and reviewed the design of fiber optic and wireless communications system, including 13 CCTV cameras and Road Vehicle Descriptor System, four DMS, and two Highway Advisory Radio systems on I-10, I-49, US-90 and US-190 between Baton Rouge and Lafayette, Louisiana.
05/15 – 01/18	**FDOT District 2, SR 9B (US 1 to I-95) Design-Build, Caddo and Bossier Parish, LA.** *ITS Task Manager*. Designed the SR 9B extension of a limited-access system from I-95 to County Road 2209, which included two interchange locations and several signalized intersections.

Firm employed by. ARCADIS			
Name	**Sarath Gorthy, PE**	Years of relevant experience with this employer	1
Title	ITS / Traffic Project Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		MS / 2017 / Civil Engineering, Clemson University BS / 2015 / Civil Engineering, Birla Institute of Technology and Science	
Active registration number / state / expiration date		PE.139993 / TX / Exp. 12/24	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**ITS Design and Support**	

Mr. Gorthy's experience encompasses a large array of projects with various state Departments of Transportation. His areas of expertise in Intelligent Transportation Systems (ITS) system engineering design includes ITS master plan, ITS planning, communication system design, alternative analysis, feasibility studies, Connected and Automated Vehicle deployment, Smart Work Zone (SWZ) / queue detection, as well as performing ITS design for over seven ITS deployments in Texas, Georgia, and North Carolina. He has also led the design of ITS projects under Texas Department of Transportation (TxDOT). He has immense experience using MicroStation, preparing cost estimates and design specifications, as well as designing traffic signal systems, lighting, and tolling systems.

Experience Dates	Experience and qualifications relevant to the proposed contract
03/23 – Ongoing	**TxDOT, San Antonio ITS Master Implementation Plan (MIP), San Antonio, TX.** *Traffic and ITS Engineer*. Developed an ITS Master Plan for the TxDOT San Antonio district as part of TxDOT's Transportation Systems Management and Operations (TSMO) program. The ITS Master Plan focused on developing ITS strategies that conform to regional plans and objectives. High-level cost estimates for system design and implementation were provided for each project. Key ITS strategies and projects for implementation included system expansion of communication network, traffic management, traveler information, wrong-way driving, integrated corridor management, incident detection and response, SWZ technology, traffic signal optimization, and vehicle to infrastructure deployments leveraging cellular vehicle-to-everything technology.
04/24 – Ongoing	**Louisiana Department of Transportation and Development, I-10 Widening Construction Management At Risk, LA 415 to I-10/I-12 Split, Baton Rouge, LA.** *Traffic and ITS Engineer.* Performed an engineering assessment of the effectiveness of the ITS SWZ queue detection system along the construction project limits on I-10 eastbound from LA-77 to I-110 in Baton Rouge. Performance metrics included real-time and historic data for speed, density, and volume, as well as their sensitivity of incidents reported on Regional Integrated Transportation Information System.
12/23 – 05/24	**TxDOT, Pharr ITS MIP, Pharr, TX.** *Traffic and ITS Engineer*. Developed an ITS Master Plan for the TxDOT Pharr District as part of TxDOT's TSMO program. Key ITS projects included system expansion of communication networks and traffic management.
06/21 – 01/22	**City of Houston, Houston METRO Shuttle of the Future, Houston, TX.** *Deputy Project Managaer.* Coordinated with subconsultants for deployment of a mid-size Level 4 autonomous and zero-emission shuttle bus deployment in downtown Houston. Prepared Data Management Plan, Quarterly Reports, Project Management Plan, budget, and invoices.
06/23 – Ongoing	**TxDOT, ITS Design along I-37, Corpus Christi, TX.** *Traffic and ITS Design Engineer*. Designed the ITS and electrical elements along I-37 between State Highway (SH) 358 and SH 286 using MicroStation. Provided fiber optic cable along the entire corridor, including fiber optic cable connections and electrical conduit to each existing and new ITS device. ITS devices

	include Closed-Circuit Television (CCTV) cameras, Dynamic Message Signs (DMS), ITS communication systems, and hub infrastructures.
01/20 – 02/22	**TxDOT, ITS Design along US 59, Laredo, TX.** *Traffic and ITS Design Engineer.* Designed ITS elements along US 59, between I-35 and US 59 Business. Designed ITS communication, electrical services, and ITS devices, including CCTV cameras, radar, Wrong Way Driver Detection systems, travel time signs and DMS, using MicroStation and GeoPAK.
02/21 – 02/22	**TxDOT, ITS Design along I-20 at US 84 interchange, Roscoe, TX.** *Traffic and ITS Design Engineer*. Designed ITS elements along I-20 and US 84 for an 8-mile corridor. Designed ITS communication systems, fiber networks, electrical services and ITS devices, including CCTV cameras, DMS, etc., using MicroStation and GeoPAK. Computed quantities and prepared cost estimates.
07/22 – 03/23	**TxDOT, Signal Design along SH4, Pharr Dist., TX.** *Traffic and ITS Design Engineer*. Upgraded existing traffic signals at six intersections using OpenRoads. Designed signals and Americans with Disabilities Act (ADA)-compliant pedestrian equipment, presence and advance radar detection, signs, pan-tilt-zoom camera, electrical services, and controllers.
05/20 – 12/20	**TxDOT, I-635 LBJ Design-Build, Dallas, TX.** *Traffic and ITS Design Engineer.* Designed temporary and permanent signals to accommodate full reconstruction and widening of an 11-mile corridor on I-635 from US 75 to I-30 using MicroStation. Designed signals, ADA-compliant pedestrian equipment, presence and advance radar detection, signs, video imaging vehicle detection system cameras, CCTV cameras, antenna/radio systems, electrical services, and controllers.
09/23 – 04/24	**Michigan Department of Transporation, Lighting Design at I-55 at Brookway Blvd Roundabout, Lincoln County, MS.** *Traffic and ITS Design Engineer.* Designed the lighting and electrical elements, which included replacing the existing high-mast, safety, and continuous lighting systems. Performed photometric analysis using AGi32 and developed plan sets and lighting standards using Microstation.

Firm employed by. ARCADIS			
Name	**Paul Frislie, PE, IMSA**	Years of relevant experience with this employer	1
Title	Principal ITS Engineer / Project Manager	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		MBA / 2011 / Business Administration, University of Phoenix; BS / 2000 / Civil Engineering, University of California	
Active registration number / state / expiration date		PE.0072982 / CA / Exp. 12/31/2028; IMSA Level III #CE_97189 / Exp. 02/28/2029	
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**ITS Design and Support**	

Mr. Frislie is a Principal Intelligent Transportation Systems (ITS) Engineer and Project Manager at Arcadis, who joined the firm in September 2024. For over 25 years, he has been actively involved in transportation and traffic engineering projects, specializing in the planning, design, and deployment of ITS, systems integration, transit signal priority, and traffic signal design. Recently, he served as Project Manager for the City of Long Beach Mid-City Signal Coordination Project, the Euclid Street Regional Traffic Signal Synchronization Project, and the Yorba Linda Boulevard Regional Signal Synchronization Project. His ITS expertise includes fiber optic and wireless communications, Closed-Circuit Television (CCTV), Video Detection Systems, and Dynamic Message Signs. He has also played a key role in developing ITS Master Plans for the cities of Oxnard, Newport Beach, Cypress, Ventura, Buena Park, Gardena, and Whittier. In addition to his ITS experience, Mr. Frislie has extensive field experience during construction, including inspections, daily reports, quantity takeoffs, project final acceptance, and close-out punch lists.

Experience dates	Experience and qualifications relevant to the proposed contract
01/24 – 03/26	**Harbor Boulevard Pilot Innovative Transit Signal Priority Study, Orange County Transportation Authority (OCTA), Orange County, CA.** *Detection Design and Installation.* Provided lead design support for the project, focusing on advanced detection and safety analytics for vulnerable road users, including pedestrians and bicyclists, at key intersections along the corridor. The project deployed Light Detection and Ranging, radar, and fisheye cameras with advanced safety analytics to detect near-miss incidents, wrong-way drivers, and crosswalk violations over a six-to-nine-month evaluation period.
03/23 – 09/24	**Euclid Street Corridor Project Regional Traffic Signal Synchronization (TSS) Program, La Habra, CA.** *System Design Lead and Interim Project Manager.* Served as the System Design Lead and Interim Project Manager for this signal synchronization project for the City of La Habra. Led communication system analysis for the City of Fullerton and the City of Santa Ana as part of the project. Oversaw all engineering, construction management, inspection, and administrative tasks necessary to complete the project. Managed operations and maintenance services for three years after the construction and implementation phase.
06/16 – 09/19	**Pacific Coast Highway TSS, OCTA, Orange County and City of Newport Beach, CA.** *Design Task and Construction Support Lead.* Served as Design Task and Construction Support Lead for the design, construction, and integration of an upgraded communication system serving both California Dehepartment of Transportation (Caltrans) and the City of Newport Beach. Prepared field review plans, specifications, and estimates (PS&E) and provided system construction support throughout the project.
06/15 – 12/20	**Harbor Boulevard TSS Project, OCTA and City of Santa Ana, Santa Ana, CA.** *QA/QC Lead and Construction Manager.* Served as QA/QC Lead and Construction Manager for the Harbor Blvd TSS project, providing construction support and overseeing

	all necessary integration, implementation, and fine-tuning tasks. The project involved signal synchronization and equipment upgrades along Harbor Blvd from Chapman Ave to Newport Blvd, spanning the Cities of Garden Grove, Santa Ana, Fountain Valley, and Costa Mesa, as well as freeway on-and off- ramps at State Route (SR)-22 and Interstate (I)-405 within Caltrans jurisdiction. In addition to generating PS&E packages for equipment upgrades, the project included developing, implementing, and fine-tuning traffic signal coordination timing plans for AM, PM, midday, off-peak, and weekend periods across all 46 intersections along the corridor. The project also involved Traffic Management Center (TMC) upgrades for Costa Mesa and Santa Ana, including new CCTV licenses, workstations, and designing and replacing the City's existing video wall system with more advanced capabilities.
06/15 – 12/20	**Bristol Street TSS Project, OCTA and Cities of Costa Mesa, Newport Beach, and Santa Ana, Costa Mesa, Newport Beach, and Santa Ana, CA.** *System Construction Task Lead.* Served as System Construction Task Lead for the Bristol TSS project, overseeing operations and infrastructure improvements at 45 intersections along an 8-mile segment of Bristol Street. The project's primary goal was to improve traffic flow and safety for all users, including vehicles, buses, bicycles, and pedestrians. The project involved designing and constructing traffic signal equipment and infrastructure upgrades, such as Ethernet-over-copper and fiber optic communications, traffic signal controllers, cabinets, signal modifications, CCTV cameras, Emergency Vehicle Preemption equipment, Bluetooth systems, loop detection, and additional TMC upgrades for Santa Ana and Costa Mesa. All 45 intersections were retimed with AM, PM, midday, and weekend coordination timing plans.
01/17 – 06/23	**I-405 Design-Build Improvement Project, OCTA, Orange County, CA.** *TMS Engineer*. Served as the TMS Engineer on a multidisciplinary design and construction team for this $1.2 billion design-build project. The project aimed to improve 16 miles of I-405 between SR-73 in Costa Mesa and I-605 near the Los Angeles County line. The project included adding one general-purpose lane in each direction from Euclid St to I-605, upgrading freeway entrances, exits, and bridges, and implementing express lanes to expand the existing High Occupancy Vehicle lane from one lane to two lanes in each direction from SR-73 to I-605. The scope of work included designing Caltrans ITS field infrastructure, temporary ITS infrastructure supporting maintenance of traffic during construction, toll system infrastructure and coordination, street lighting, agency traffic signal improvements along the corridor, and developing the Traffic Management Plan (TMP). Led the planning, design, and deployment of the TMP.
01/10 – 09/24	**Oxnard ITS Master Plan Design Project, City of Oxnard, CA.** *Project Manager.* Served as Design and Integration Leader for the Oxnard ITS Master Plan Design and Integration Project, which implemented Ethernet-based communications across approximately 150 signalized intersections. The Ethernet network was supported by new fiber optic cables installed in existing conduit, replacing the outdated twisted-pair cables. Several intersections were supported by wireless Ethernet radios, while some retained twisted-pair cable as a cost-saving measure. The project included installing new traffic signal controllers, CCTV cameras, and video detection system upgrades. These systems were managed from a newly designed, built, and integrated TMC. The team was also responsible for developing the Internet Protocol schema, hardware configuration, and oversaw installation, acceptance testing, and training. The project created an Ethernet network shared with other City departments, including police and fire stations, Supervisory Control and Data Acquisition, and City buildings. Paul led the operations and maintetance of the system until 2024 keeping the system operational.

Firm employed by: MODJESKI and MASTERS			
Name	**Jonathan Gerhart, PE**	Years of relevant experience with this employer	16
Title	Senior Project Manager – Electrical	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 1998 / Electrical Engineering	
Active registration number / state / expiration date		PE. 0043052 / LA / Exp. 03/31/2027	
Year registered	2018	Discipline	Electrical Engineer
Contract role(s) / brief description of responsibilities		**Roadway and Aesthetic Lighting Design**	

Mr. Gerhart is a Senior Project Manager in Modjeski and Masters' Electrical Engineering Section and has over 28 years of experience in the design of electrical distribution systems, control systems and safety systems, including roadway lighting systems. Having more than 16 years of experience on Louisiana Department of Transportation and Development (LADOTD) Roadway Lighting Projects, Mr. Gerhart is experienced with photometric analysis and roadway lighting design (both high-pressure sodium and light-emitting diode [LED]), including inspections, construction support, and troubleshooting. He has vast expertise in all matters related to lighting systems, having served as Lead Design Engineer for numerous LADOTD roadway lighting projects and has developed evaluations, recommendations, cost estimations, value engineering and consultations with LADOTD electrical staff.

Experience dates	Experience and qualifications relevant to the proposed contract
03/23 – 04/25	**Crescent City Connection Decorative Lighting, Louisiana Department of Transportation and Development (LADOTD), New Orleans, LA.** *Project Manager* for the design of the replacement of the ***aesthetic lighting system***. The new decorative lighting system includes remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers on both the upriver and downriver sides of the two superstructures. Project was on an expedited schedule for the decorative lighting system to be fully operational by the February 9, 2025, Super Bowl. Responsibilities included scope and labor hour negotiations during initial project setup, as well as design and development of electrical lighting plans and specifications conforming to the LADOTD Illumination Standards and the National Electric Code, and coordination with the United States Coast Guard for approval to install the decorative lighting.
11/19 – 02/24	**Parkersburg Memorial Bridge Rehabilitation, United Bridge Partners (UBP), Parkersburg, WV.** *Electrical Design Manager* for the electrical upgrades of this major bridge rehabilitation project. The Memorial Bridge, locally known as the toll bridge, crosses the Ohio River connecting Belpre, Ohio and Parkersburg, West Virginia and is of steel through truss design, a combination of two camelback-Warren through trusses, and a three-span cantilevered Warren through truss. UBP purchased the bridge from the City of Parkersburg, rehabilitated it, and has taken over toll collection for at least the next 50 years. Modjeski and Masters (M&M) were the Engineer of Record for UBP (known as Parkersburg Bridge Partners for this project). The rehabilitation included full deck replacement, structural steel repairs and concrete substructure repairs. It also included ***new decorative, navigational, and roadway lighting***. During construction, M&M provided design assistance and oversight, assisting the resident engineer as necessary, as well as providing coatings inspections to ensure long term durability.
08/19 – 11/24	**Wurts Street Historic Bridge Rehabilitation, New York State Department of Transportation, Kingston, NY.** *Electrical Design Manager* for the electrical upgrades of this major bridge rehabilitation project. This project involved the comprehensive

	rehabilitation of the 100-year-old Wurts Street Suspension Bridge. The Wurts Street Bridge is not only a functional piece of infrastructure but also a historic landmark, contributing to the ***aesthetic and cultural heritage*** of the Rondout District in Kingston, New York. This project included deck replacement, replacement of stringers, strengthening floor beams, joint replacement, strengthening main cable anchorages, and replacement of suspender ropes as well as new Americans with Disabilities Act-compliant sidewalks, ***decorative lighting***, and a dehumidification system for the anchorages. The Wurts Street Bridge rehabilitation received several awards, including a spot on the Roads and Bridges Top 10 Bridges list and the America's Transportation Awards Quality of Life/Community Development award.
07/18 – 06/21	**Interstate 20 (I-20) Vicksburg Mississippi River Bridge - Electrical, LADOTD, Vicksburg, MS.** *Electrical Design Manager* for the electrical upgrades of this major bridge rehabilitation project. This major rehab project included electrical engineering services to develop final plans and specifications for rehabilitation of the existing electrical systems, including photometric report and replacement of **roadway lighting with an LED design**, replacement of navigation lighting and aerial beacons, and rehabilitation and relocation of low-voltage electrical components including monitoring equipment including monitoring equipment, Mississippi Department of Transportation equipment, river current monitoring equipment. M&M also provided construction related engineering services, including field inspections and shop drawing, as-built drawing and submittal review. Mr. Gerhart oversaw the **photometric analysis, electrical calculations and final plan development** for the design portion of this project. He also performed field inspections during construction and worked directly with LADOTD electrical engineers.
09/16 – 09/19	**I-12/LA 447 (Walker) Interchange Lighting, LADOTD, Walker, LA.** *Electrical Design Manager* for the design of roadway lighting at the I-12/LA 447 Interchange. The design included lighting for two roundabouts at the ramp terminals and was coordinated with the local government agencies as well as the electrical utility company to simplify future maintenance and to provide desired aesthetics. M&M performed photometric analysis, and provided plans and construction estimates and construction related engineering services including shop drawing review and field inspections. Oversaw the photometric analysis, electrical calculations and final plan development for the design portion of this project. Performed field inspections during construction and worked directly with LADOTD electrical engineers.
11/10 – 05/15	**LA 8/US 171 Roundabout Lighting, LADOTD, Vernon Parish, LA.** *Electrical Design Manager* for the design of roadway lighting for a two-lane, four-legged modern roundabout that was reconstructed from a signalized T-intersection of US-171 with LA 8/28. The design incorporated the use of **decorative light fixtures and poles** and was coordinated with the local government agencies as well as the electrical utility company to simplify future maintenance and to provide desired aesthetics. M&M also provided construction related engineering services including shop drawing and operations and maintenance manual review and field inspections, including final punch-list inspection. Also served as Lead Electrical Design Engineer and Inspector for this project.

Firm employed by: MODJESKI and MASTERS			
Name	**Erin N. Rodgers, PE**	Years of relevant experience with this employer	9
Title	Engineer | Electrical	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2017 / Mechanical and Electrical Concentrations	
Active registration number / state / expiration date		PE. 0050137 / LA / Exp. 09/30/2027	
Year registered	2022	Discipline	Electrical Engineer
Contract role(s) / brief description of responsibilities		**Roadway Lighting Design Engineer**	

Ms. Rodgers joined Modjeski and Masters, Inc. as an engineer in training in 2017 following her graduation from Elizabethtown College with a Bachelor of Science in Engineering. Ms. Rodgers currently serves as an Electrical Engineer for the Electrical section and has been involved in design and inspection of several movable bridges and lighting systems during her time with the firm. She also has experience with roadway lighting design, tunnel lighting design and utility coordination projects. Ms. Rodgers is NEC/NFPA certified.

Experience dates	Experience and qualifications relevant to the proposed contract
08/24 – Ongoing	**I-10 Calcasieu Bridge Replacement P3, LADOTD, Lake Charles, LA.** *Lead Roadway Lighting Designer* for the ***mega P3 project*** as part of LA DOTD's larger I-10 corridor project extending from the I-10/I-210 east interchange to the I-10/I-210 west interchange. The limits of the P3 Project extend from the I-10/I-210 west interchange to the Ryan Street exit ramp on the east side of the bridge. The Calcasieu River Bridge and the interstate mainline within the P3 Project limits will be reconstructed to ensure that the vertical clearance, horizontal alignment, sight distances, and other road and bridge elements meet current design criteria. The segment of LA 378 (Sampson Street) from I-10 to Sulphur Avenue will be improved and several access ramps and the interchanges at Sampson Street and US 171 will also be reconfigured as part of the P3 Project. Ms. Rodgers is the ***lead roadway lighting designer.*** She is ***responsible for the entire project roadway lighting, navigation lighting on the main bridge, and the aesthetic lighting electrical design and interface with the roadway lighting.*** She developed plans, specifications, and electrical calculations for the project.
12/22 – Ongoing	**I-20: US 165 to East of Garrett Road Lighting, LADOTD, Monroe, LA.** *Lead Electrical Engineer* for the rehabilitation of the existing lighting system along I-20 from US 165 to E. of Garrett Road. M&M provided plans, technical specifications, special provisions and illumination analysis as well as coordinated with the City of Monroe and interfaced with the Project Team for S.P. H.007300 on the selection of LED luminaires to provide consistent lighting throughout the project limits. Ms. Rodgers completed a photometric analysis using ***Visual lighting software*** to ***achieve optimal lighting illumination*** levels and uniformity while minimizing pole quantity and related costs.
12/20 – 08/23	**I-20 Rehabilitation (Pines Road to I-220), LADOTD, Shreveport, LA.** *Electrical Engineer* for the major interstate improvement project along I-20 in Shreveport, LA. M&M was selected to develop roadway lighting plans to accommodate future interstate ***median lighting and to relocate any existing light poles*** in conflict with reconfigured on and off ramps. Ms. Rodgers worked under the direction of a senior engineer to design a preliminary ***roadway lighting system for the I-20*** widening project. She also participated in a site inspection to identify all existing electrical components in service. She

	performed a photometric analysis using ***Visual lighting software*** to achieve optimal lighting illumination levels and uniformity while minimizing pole quantity and related costs. She used the final approved photometric analysis report to generate final plans and specifications.
12/19 – 03/23	**Lighting Engineering Design Services for I-12: LA 1077 to US 190. LADOTD, Covington, LA** *Electrical Engineer* for an interstate widening project along I-12 in St. Tammany Parish. M&M provided an illumination analysis per LADOTD standards for a ***complete roadway lighting design*** at the I-12 at LA 1077, I-12 at LA 21, I-12 at Pinnacle Pkwy, and I-12 at US 190 interchanges. M&M provided plans and specifications for lighting and electrical equipment to accommodate installation of a future lighting system as well as plans and specifications for a ***new navigation lighting design*** on the widened Tchefuncte River Bridge. M&M provided construction-related engineering services for this project. Ms. Rodgers performed photometric analysis and assisted in final electrical plan development. She also participated in field inspections and reporting for the construction of this project.
10/17 – 07/21	**I-10: I-49 to LA 328 Lighting Construction Related Engineering Services, LADOTD, Lafayette, LA** *Electrical Engineer* for the I-10 at I-49 to LA 328 Interchange Lighting in Lafayette, LA. M&M was selected to prepare final plans, specifications, photometric calculations and a construction cost estimate for this project. M&M worked closely with local government agencies and utility companies to provide an optimum***, low-maintenance lighting system***. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the ***roadway lighting design*** for the I-10 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor. She also participated in field inspections and reporting for the construction of this project.
10/17 – 09/19	**I-12 @ LA 447 (Walker) Interchange Lighting, LADOTD, Walker, LA.** *Electrical Engineer* for the design of roadway lighting at the I-12/LA 447 Interchange in Walker, LA. The design included ***lighting for two roundabouts at the ramp terminals*** and was coordinated with the local government agencies as well as the electrical utility company in order to simplify future maintenance and to provide desired aesthetics. M&M performed photometric analysis, and provided plans & construction estimates and construction related engineering services including shop drawing review and field inspections. Ms. Rodgers worked under the direction of a senior engineer to review submittals for the ***roadway lighting design*** for the I-12 widening project in Louisiana. Her responsibilities included verifying contractor submissions met design intent and coordinating all equipment to be used on the project with the contractor. She also participated in field inspections and reporting for the construction of this project.

Firm employed by:			
Name	**Thien T. Pham, PE**	Years of relevant experience with this employer	7
Title	Engineer | Electrical	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2017 / Electrical Engineering	
Active registration number / state / expiration date		97084 / FL / Exp. 02/28/2027	
Year registered	2023	Discipline	Electrical Engineer
Contract role(s) / brief description of responsibilities		**Roadway Lighting Design Engineer**	

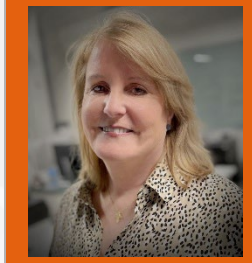
Thien T. Pham joined Modjeski and Masters in 2019 and has more than eight years of experience in electrical and mechanical engineering for projects throughout the United States. With a concentration on movable bridges, efforts have included emergency repairs, detailed annual electrical inspections, bridge ratings, submarine cable repairs/replacements, and preliminary and final design for bridge replacement and rehabilitation. Mr. Pham is NEC/NFPA certified.

Experience dates	Experience and qualifications relevant to the proposed contract
02/26–Ongoing	**I-10 Calcasieu Bridge Replacement, LADOTD, Lake Charles, LA.** *Electrical Engineer* for the mega P3 project as part of LA DOTD's larger I-10 corridor project extending from the I-10/I-210 east interchange to the I-10/I-210 west interchange. The limits of the P3 Project extend from the I-10/I-210 west interchange to the Ryan Street exit ramp on the east side of the bridge. The Calcasieu River Bridge and the interstate mainline within the P3 Project limits will be reconstructed to ensure that the vertical clearance, horizontal alignment, sight distances, and other road and bridge elements meet current design criteria. The segment of LA 378 (Sampson Street) from I-10 to Sulphur Avenue will be improved and several access ramps and the interchanges at Sampson Street and US 171 will also be reconfigured as part of the P3 Project. Mr. Pham is assisting the lead roadway lighting designer for the entire project ***roadway lighting, navigation lighting on the main bridge, and the aesthetic lighting electrical design*** and interface with the roadway lighting. He assisted with developing plans, specifications, and electrical calculations for the project.
12/22–01/25	**Crescent City Connection Decorative Lighting, LADOTD, New Orleans, LA.** *Electrical Engineer* on a major river crossing decorative lighting project, where he developed electrical plans for replacing existing necklace lighting and installing new decorative programmable***, color-changing LED lights for the Crescent City Connection bridges***. He also performed field inspections of the lighting installation. The Crescent City Connection (CCC), formerly the Greater New Orleans Bridge (GNO), are twin cantilever bridges that carry U.S. Highway 90 Business over the Mississippi River in New Orleans, Louisiana. They are tied as the fifth-longest cantilever bridges in the world. Both structures were originally designed by Modjeski and Masters, Inc. (M&M) in 1988 (No. 2, Westbound) and 1958 (No. 1, Eastbound).
07/24–05/25	**I-79 Lighting Project, WVDOT, Monongalia County, WV.** *Electrical Engineer* on this project, participating in the design for upgrading and installing new conventional and ***high-mast tower lighting***. His responsibilities include photometric calculations, power circuit calculations, and the development of electrical plans. The I-79 Lighting project consists of the study, design and preparation of construction contract plans and related documents to upgrade and/or install ***new lighting*** on I-79 beginning near the I-68/I-79 Interstate split traveling north on I-79 to Exit 153 in Monongalia County, WV. Starting at

	the Corporal Thomas Bennett Memorial Bridge, lighting each end of the bridge but not carrying across the structure. New ***High Mast Lighting will continue north on I-79 for approximately ½ miles*** but will terminate prior to where the proposed Harmony Grove Interchange is to intersect with I-79. The project will then move to and encompass Exit 152, which will include all ramps, side roads and side road intersections. The project limits will continue north along I-79 from Exit 152 and will include the lighting of the I-79 mainline to the Exit 153 interchange approach. AASHTO, FHWA and WVDOH standards shall be followed.
09/23–05/24	**White Sulphur Springs Interchange Lighting, WVDOT, Greenbriar County, WV** *Electrical Engineer* for this project where he performed photometric calculations, designed power systems, and developed plans to upgrade and install new conventional and high mast tower lighting for the interchanges along I-64. The White Sulphur Spring Interchange Lighting Project consists of the study, design, and preparation of construction contract plans to upgrade and install ***new lighting on four interchanges*** along I-64 in Greenbrier County, WV. The lights will include all ramps, side roads, and side road intersections. Additionally, new ***lighting systems*** will also be installed on the interchange approach curves. Work has started on the project and is anticipated to last for a year.
08/21–02/22	**Parkersburg Memorial Bridge, United Bridge Partners, Parkersburg, WV.** *Electrical Engineer* on this project and participated in the power system design for the toll gantry equipment. He also developed electrical plans to install new decorative programmable color-change LEDs along the bridge. In addition, he performed bridge electrical inspection tasks for this project. As the Engineer-of-Record (EOR), M&M bridge inspectors performed an in-depth inspection of the truss and girder spans using UBIU equipment, a manlift, a bucket truck, a boat, and technical rope access methods. The findings of the inspection, including the results of a load rating performed by M&M, were essential to the rehabilitation effort, which included developing plans for steel repairs and redecking the truss and girder spans.

Firm employed by: MARMILLION/GRAY MEDIA

Name	**Sarah Powell**	Years of relevant experience with this employer	17
Title	Graphic Designer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		Bachelor of Fine Arts / 1985 / Louisiana State University / graphic design	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Graphic Design and Presentation Materials**	



Sarah Powell provides expertise in graphic design, video production and website development, including projects for LA-DOTD, East Baton Rouge Parish; the Capital Region Planning Commission (CRPC); South Central Planning and Development Commission; North Delta Regional Planning and Development District; Imperial Calcasieu Regional Planning and Development Commission; Louisiana Department of Culture, Recreation and Tourism; and the America's WETLAND Foundation. Sarah and Project Manager Rannah Gray have worked together for more than 20 years, providing a seamless creative process for developing impactful and engaging communications. Ms. Powell's work has been a vital aspect of many successful advertising and public relations campaigns and has helped the firm win numerous national, regional and local awards such as: The Communicator Awards, Telly awards, Pollie Awards, Lantern Awards, and Addy awards.

Experience dates	Experience and qualifications relevant to the proposed contract
07/19 – Ongoing	**MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA.** Ms. Powell serves as *Graphics Designer*. Her responsibilities include graphics and branding; still photography, videography with drone and Go-Pro cameras; production of short informational videos and animations for press announcements and social media; design of project signs; doorhangers to inform neighborhoods of project work; and presentation materials.
09/19 – Ongoing	**Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA.** *Graphic Designer***.** Ms. Powell provided graphic design for the development of a toolkit for use by communities for transportation planning. This project has provided a plan, toolkit, and resources to assist smaller communities conduct in-house planning.
07/17 – 05/23	**Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA.** Ms. Powell served as *Graphic Designer*. Her responsibilities included creating the branding for the program and designing promotional materials. She also provided videography and editing for informational videos used for onboarding employees at job centers, banner design, animation for social media posts, on-site sign design and collateral materials. The *Commuter Krewe* branding has been adopted by the New Orleans and Lafayette MPOs to promote ridesharing throughout the region. The program encourages ridesharing and other alternatives to single-occupied vehicles to help reduce traffic congestion in the Capital Region.
12/18 – 02/19	**Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA** Ms. Powell serves as *Graphic Designer*. She designed meeting notices, posters and collateral materials for stakeholder and public outreach and public open house meetings. This study was conducted to determine whether work conducted for a proposed modern streetcar system could be used to develop a bus rapid transit route instead.

04/18 – 10/18	**ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA.** Ms. Powell served as *Graphic Designer*. She designed meeting notices, social media posts, posters, and collateral materials for public and stakeholder outreach and public meetings. Her ability to design materials that complemented BREC's existing "Imagine Your Parks" campaign helped give the ADA Transition Plan identity and credibility. The plan provided an evaluation of BREC's facilities, gathered public input to determine priorities and developed a plan to BREC to achieve compliance with the Americans with Disabilities Act. (ADA)
03/19 – 03/16	**Implementation Plan and EIS for the Baton Rouge Loop project for the Capital Area Expressway Authority, Baton Rouge, LA.** Ms. Powell served as *Graphic Designer*. Her responsibilities included graphic design and logo design, production of informational videos for public meetings and presentations, collateral materials. The Baton Rouge Loop was a proposed by-pass around Baton Rouge to help reduce traffic congestion in the Capital Region.
09/15 – 12/16	**Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA.** Ms. Powell served as *Graphic And Web Designer*. He responsibilities include designing the TramLinkBR project brand, website design and management, production of informational videos, and collateral materials. TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has been converted to a bus rapid transit route by the current administration.
04/15 – 04/16	**Capital Region Metropolitan Transportation Plan Update for the Capital Region Planning Commission, Baton Rouge, LA.** Ms. Powell served as *Graphic Designer*. She created the MOVE2042 project logo and designed stakeholder and public meeting materials. This project provided an update of the long-range transportation plan for the five parishes in the Capital Region MPO.
08/10 – 01/12	**Capital Region Bicycle and Pedestrian Safety Campaign for the Capital Region Planning Commission, Baton Rouge, LA.** Ms. Powell served as *Graphic Designer And Video Producer*. She designed print ads, posters, billboards, handouts, and videos as part of the public education campaign to encourage bicycle and pedestrian safety in the Capital Region. This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.

Firm employed by: MARMILLION/GRAY MEDIA

Name	**Lisa Noble**	Years of relevant experience with this employer	13
Title	Public Involvement Specialist	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		BA / 1982 / English, California State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Relations and Communication Advisory**	

Lisa Noble provides expertise in public outreach, project management, planning, logistics, staging and video production for Marmillion/Gray Media. Lisa's project experience includes: MOVEBR for East Baton Rouge Parish, the Capital Region Planning Commission; South Central Planning and Development Commission; North Delta Regional Planning and Development District; Imperial Calcasieu Regional Planning and Development Commission; City of Opelousas, Lincoln Parish and the Town of Amite City. Ms. Noble is also very experienced in building, attracting, and engaging the public in transportation-related projects and gathering and tracking their feedback through a variety of channels.

Experience dates	Experience and qualifications relevant to the proposed contract
07/19 – Ongoing	**MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble supports Communications and Public Involvement Lead Rannah Gray on this project including the writing of program's strategic communications plan; marketing materials, award submissions, year-end reports and drafting informational updates and presentations. She assists Rannah in managing media outreach, public events, in-person and online stakeholder outreach for more than 100 community enhancement and corridor improvement projects. The MOVEBR program is the largest transportation and infrastructure initiative in East Baton Rouge Parish history, providing an investment of over $1 billion in capacity projects, existing corridor enhancements, community improvements and traffic signal synchronization.
09/19 – Ongoing	**Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble worked with principal Rannah Gray to draft the plan's public and stakeholder involvement chapters, including strategies for gathering in-person and online public input. The project produced pilot plans in three communities—the city of Opelousas, the town of Amite City and Lincoln Parish.
10/23 – 03/24	**Public Outreach for Safe Streets for All (SS4A) Plans.** *Public Involvement Specialist*. Ms. Noble provided public outreach support for several clients while implementing their SS4A plans including, the Capital Region Planning Commission (CRPC); South Central Planning and Development Commission (SCPDC); North Delta Regional Planning and Development District (NDRPDD).
07/17 – 05/23	**Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA.** Ms. Noble served as the *Public Outreach And Marketing Lead*. Lisa assisted in the development of the *Commuter Krewe* brand, marketing plan, and promotional strategies to help reduce single-occupied vehicles. The Commuter Krewe program was developed to help reduce traffic congestion in the Capital Region.

12/18 – 02/19	**Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble assisted Ms. Gray in the planning and implementation of stakeholder and public meetings to gather input for proposed bus routes on Nicholson Drive and Plank Road. This project and its funding was absorbed by the MOVEBR program for more efficient management where Ms. Gray currently manages public engagement strategies for the project which is now under construction.
04/18 – 10/18	**ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble was responsible for logistics and collaterals for stakeholder and public outreach activities, development of a database of advocacy organizations and people living with disabilities; creation of surveys and outreach materials and drafting of the final report. This project evaluated BREC facilities, gathered public and stakeholder input to determine priorities and developed a plan for bringing facilities into compliance with the Americans with Disabilities Act (ADA).
09/15 – 12/16	**Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble's responsibilities included aiding in development of the TramLinkBR brand, and logistics for stakeholder and public outreach activities including workshops, public open houses and presentations to business, civic and neighborhood organizations. TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has since been reimagined as bus rapid transit service and is under construction in the MOVEBR program.
04/15 – 04/16	**Capital Region Metropolitan Transportation Plan Update for the Capital Region Planning Commission (CRPC), Baton Rouge, LA.** *Public Involvement Specialist*. Ms. Noble assisted with the management of public and stakeholder outreach, including developing the MOVE2042 branding, managing stakeholder and public outreach, surveys, public meetings and elected official outreach. This project provided an update of the long range transportation plan for the five parishes in the Capital Region MPO. She has worked on two subsequent metropolitan plan updates for CRPC, MOVE 2046 and MOVE 2050.

Firm employed by. ARCADIS			
Name	**Cara Vojdani**	Years of relevant experience with this employer	6
Title	Principal Transportation Planner	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		MA / 2008 / Public Administration, Georgia State University BA / 2000 / Political Science and Concentration in Women's Studies, Furman University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Relations and Communication Advisory**	

Ms. Vojdani is a strategic, innovative, and effective communications professional with 22 years of experience leading successful, multifaceted campaigns for state, regional, and local organizations, including the City of Atlanta, the Metropolitan Atlanta Rapid Transit Authority (MARTA) and Georgia Department of Transportation (GDOT). For 17 years, her experience has primarily focused on the transportation industry. Her engagement approach focuses on fostering meaningful connections with stakeholders and the community through multifaceted proactive outreach.

Experience dates	Experience and qualifications relevant to the proposed contract
01/06 – 07/13	**MARTA, Atlanta, GA.** *Manager of Communications.* Managed all ***day-to-day media relations*** activities including writing and distributing press releases, responding to media inquiries, securing positive cover for the MARTA in local and national news stories, responding to emergency situations, executing communication plans, and coordinating interviews with the General Manager/Chief Executive Officer (CEO), MARTA Board of Directors, and Assistant General Managers. ***Managed major communications and media outreach campaigns educating the public, customers, and partners about MARTA's mission and initiatives.*** Wrote content and coordinated production of MARTA's annual report, Transit Times external newsletter, and the MARTA stop internal e-newsletter. Drafted speeches for MARTA's General Manager/CEO, board members, and directors. Oversaw all commercial filming and photography on the transit system in coordination with MARTA's legal, police, and operations departments. ***Developed campaigns to educate partners, customers, and the community about the MARTA service and the benefits of transit.*** Led internal communications, including managing the Internal Communications Specialist position.
01/19 – Ongoing	**General Consultant (GEC) Communications, GDOT, Atlanta, GA.** *Communications and Engagement Lead.* Assisted with Interstate 285 (I-285) Westside Express Lanes communications and ***stakeholder and public engagement*** for the GEC work for GDOT. ***Coordinated communications, including videos,*** for the GDOT I-85 Corridor Study. Led engagement and communications for Renew Atlanta DeKalb Avenue interim concept implementation and long-term design concept development.
01/19 – Ongoing	**I-285 Westside Express Lanes, GDOT, Multiple Locations, GA.** *Public Involvement and Outreach.* Coordinated proactive communications, including stakeholder and public engagement, for the GEC work for GDOT's I-285 Westside Express Lanes project. This work included ***communications plan development and updates, messaging, collateral development and updates, digital communications, stakeholder and public meetings and communication.*** Led ***internal and external communications campaigns*** for the overall Georgia Express Lanes program, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects.

01/19 – 12/22	**I-85 Corridor Study, GDOT, Gwinnett County, GA.** *Communications Manager.* Prepared project videos, ***assisted with social media and supported outreach activities***.
05/19 – 01/20	**DeKalb Avenue Complete Street, City of Atlanta, GA.** *Communications Manager.* ***Led communications and stakeholder engagement*** for the DeKalb Avenue interim concept implementation and long-term design concept development. This work included the ***development of a communications plan***, project materials, and a stakeholder presentation. ***Coordinated stakeholder meetings*** and assisted in preparing for a public meeting to present the project concept.
01/17 – 01/18	**Fulton County Transit Master Plan, Fulton County, GA.** *Communications Manager.* ***Provided communications support for public outreach activities*** for development of the Fulton County Transit Master Plan.
01/17 – 01/18	**Xpress Bus Service, Fulton County, GA.** *Communications Manager.* Coordinated ***development of a marketing and community engagement plan*** for Xpress designed to encourage commuters to use transit service during the I-285/Georgia 400 construction project.
08/13 – 11/18	**Multiple Projects, HNTB, Atlanta, GA.** *Communications Director/Department Manager.* Led a 14-member communications team ***providing program management, communications, public relations, outreach/engagement, digital, and creative services*** to regional and state transportation agencies including MARTA, State Road and Tollway Authority, and GDOT. Led communications and outreach activities for MARTA's Planning Department, including More MARTA Atlanta, the city's largest expansion program in 40 years. Served as firm's communication program manager for major state and regional transportation initiatives including GDOT's Georgia Express Lanes, Georgia Commute Options (GCO), Fulton County Transit Master Plan, and the Xpress Commuter Service Transit Demand Management marketing plan. Led ***internal and external communications campaigns*** for Georgia Express Lanes, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects. Led the GCO communications team, ***delivering strategic communications*** services designed to inspire commuters and employers to engage in clean commute activities. Coordinated GCO efforts with partner organizations, including Transportation Management Associations, transit and transportation agencies, and local governments, raising awareness about the benefits of clean community. Provided communications support for public outreach activities for development of the Fulton County Transit Master Plan. ***Coordinated development of a marketing and community engagement plan for Xpress to encourage commuters to use transit service*** during Transform 285/400 construction.

Firm employed by. ARCADIS			
Name	**Keith Kunst, PE**	Years of relevant experience with this employer	20
Title	Alternative Project Delivery Lead	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 1996 / Civil Engineering, Georgia Institute of Technology – Main Campus MBA / 2000 / Finance, Georgia State University	
Active registration number / state / expiration date		PE. 027070 / GA / Exp. 12/31/2026	
Year registered	2021	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Alternative Delivery Technical Services - Technical Advisor**	

Mr. Kunst has 25 years of diverse project management experience, coupled with a construction and design background. Prior to joining Arcadis, he served as an Assistant Area Engineer at Georgia Department of Transportation (GDOT), in charge of more than $100 million in bridge and highway construction projects. This collective knowledge gives him a unique understanding of staging and constructability requirements for the projects he manages and allows him to successfully lead and mentor teams of engineers and environmental staff. He primarily serves the transportation market and has focused his entire career on designing and implementing safe, thoughtful transportation solutions for the traveling public. Over the last 12 years, he has been involved in many of the firm's largest and most technically challenging projects both for the owner and the contractor. His expertise includes managing and designing complex freeways and interchanges, major urban and rural bypass or widening projects and railroad and roadway bridges. His innovative design and management solutions have effectively lowered costs, reduced environmental and property impacts, and gained interagency and public consensus to streamline project delivery. These solutions have directly resulted in shortened project schedules and saved clients tens of millions of dollars. He is a hands-on manager who is directly engaged with his client, project team, local governments, and project stakeholders.

Experience dates	Experience and qualifications relevant to the proposed contract
08/08 – 02/15	**Interstate-285 (I-285) At State Route (SR)-400 Interchange Design-Build-Finance Owner's Representative, GDOT, Metro Atlanta, GA.** *Senior Technical Advisor and Conceptual Lead*. Managed reconstruction of the I-285 at SR 400 interchange. In early 2014, the project was placed on the State of Georgia's top priority list as it was expected to handle almost 600,000 vehicles per day by 2039. Under this $460 million project, GDOT sought a solution to improve interchange geometry and improve operational efficiency and used an alternative *Design-Build-Finance* (DBF) delivery method to cut delivery time from eight to ten years to under six years. Pre-Construction Activities: Arcadis developed the ***preferred alternative, National Environmental Policy Act document, System Interchange Modification Report*** and costing plans required to solicit bids. All work was accomplished under an accelerated 12-month schedule to maximize construction time. The project was delivered through collaboration across multiple Arcadis offices, including Ohio, Georgia, and Florida. Proposed improvements included constructing parallel collector/distributor lanes and braided ramps along I-285 and SR 400 for improved traffic operations and safety, along with two new flyover movements. Procurement and Post Award Activities: Arcadis assisted GDOT with the development of the ***DBF*** contract and reviewed all alternative technical concept submittals from contractors. After award, Arcadis served GDOT on the Independent Quality Firm team. This team developed project-specific Quality Assurance Manuals

	to guide the reviews of all DBF team submittals and independently reviewed all submittals from an engineering standpoint and contract compliance.
07/13 – 10/14	**I-75 South Managed Lanes Design-Build, C.W. Matthews (CWM) Contracting Co., Henry County, GA.** *Project Manager.* ***Designed variable rate toll lanes*** along I-75 between SR 155 / McDonough Road and SR 138 / Stockbridge Highway using GDOT's innovative design-build approach to expedite project delivery. The $176 million project included two reversible lanes in the I-75 center median from SR 138 in south Clayton County to just north of SR 20, and one reversible lane extending to SR 155 in Henry County. The project incorporated three slip access locations to provide ingress/egress between managed lanes and general-purpose lanes. The design included created a dedicated express-lane-only interchange south of Jonesboro Road with a connector back to Jonesboro Road and a flyover ramp to I-675 on northern terminus. The project design and permitting were completed 4 months ahead of schedule, and construction was completed in January 2017. According to GDOT, this project was the largest design-build project opened to traffic in Georgia at the time and the only project in the state converting an interstate section to include two managed lanes in the median.
07/15 – 07/16	**I-85 N Express Lanes Extension Design-Build, CWM Co., Gwinnett County, GA.** *Project Manager*. Led the design consultant team on this large-scale, technically complex design-build project. Selected as Lead Engineer by CWM Contracting Company (CWM), Arcadis delivered ***turnkey design services for tollway facilities.*** This $130 million project included 10 miles of newly constructed bidirectional express lanes extending north of Atlanta along I-85. The design included three slip-ramp access points and new general-purpose auxiliary lanes to improve merging safety and reduce bottlenecks. As lead designer, Arcadis completed more than 90% of the design work, including 100% of roadway, drainage, bridge, Intelligent Transportation Systems (ITS), and tolling design. The scope included replacing the I-85 over I-985 southbound (SB) bridge, constructing a new northbound (NB) express lane-only flyover bridge over I-985, and widening the I-85 bridges over SR 20. Additionally, Arcadis completed environmental permitting, re-evaluation coordination, land surveying, utilities coordination, design of tolling and ITS infrastructure, installation of fiber trunk lines, site design for hub buildings, Municipal Separate Storm Sewer System permitting, and maintenance of traffic plans. All design was completed, and construction started 2 months ahead of schedule. To maintain high quality standards, Arcadis implemented a ***project-specific quality assurance/quality control (QA/QC)*** plan that included independent reviews and peer reviews of all work, as well as full independent structural design of all bridges.

Firm employed by: ARCADIS			
Name	**Angelica Corradi Gomez, CP3P**	Years of relevant experience with this employer	3
Title	DB Sr. Project Director	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering, Polytechnic University of Madrid	
Active registration number / state / expiration date		Certified PPP Professional (CP3P) World Bank and APMG International 2024	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Alternative Delivery Technical Services - P3**	

Ms. Gomez is a multi-lingual senior leader with over 20 years of international corporate experience in managing large infrastructure public-private partnership (P3) and design-build projects. She has expertise in people management, full life cycle project management, and stakeholder management. Ms. Gomez has successfully led teams of over 200 individuals across different locations and departments. Her strong skills in objectives identification, strategy planning, and cross-cultural communication have been instrumental in her achievements. Fluent in English, Spanish, Portuguese, and Catalan, she also possesses strong business acumen and proficiency in design software and tools such as AutoCAD, Presto, and Arquimedes.

Experience dates	Experience and qualifications relevant to the proposed contract
09/21 – Ongoing	**I-10 Calcasieu Bridge replacement P3 – Design-Build, Louisiana Department of Transportation and Development, Lake Charles, LA.** *P3 Project Director.* Managed the success of Arcadis within the Joint Venture of four design companies, overseeing schedule and budget updates, identifying risks, and developing mitigation strategies. ***Liaised with the Design-Build Client and P3 stakeholders, participated in contract negotiations with legal teams, and verified compliance with project processes, including constructability and operations and maintenance impacts***. Reviewed and processed proposed design changes to assess impacts on project scope and contractual obligations, while maintaining deliverables met quality standards and client requirements.
12/16 – 02/18	**Gordie Howe International Bridge, Windsor-Detroit Bridge Authority, Windsor, ON – Detroit, MI.** *P3 Project Leader.* Developed a cost-effective and efficient construction plan for this ***complex Design-Build / P3 project with a budget exceeding $2 billion***. Managed a team of 13 managers, overseeing a total of 200 individuals. Led regular design team meetings to maintain effective communication, coordination, and prioritization of upcoming deadlines, and provided updates on schedule and budget. ***Collaborated with design and specialty consultants to maintain timely delivery of project deliverables*** and compliance with contractual obligations. Maintained adherence to project processes, and reviewed proposed design changes to assess impacts on project scope and contractual obligations while maintaining quality standards and client requirements. Led the proposal coordination for the technical package in alignment with the design.
06/13 – 12/16	**Various Rail, Bridge and Facilities, Various locations, CA.** *Project Coordinator.* Planned, ***executed and closed several of the largest P3 projects and tenders,*** including the New Bridge over the St. Lawrence (Quebec), the Eglinton Crosstown Light Rail Transit (Toronto, Ontario), East Rail Maintenance Rail Facility (Whitby, Ontario), Hamilton Biosolid Management Facility (Hamilton, Ontario), White Rose Extension Project (Wellhead Platform and Concrete Gravity Structure) (St. John's, Newfoundland and Labrador) and the Hanlan Watermain / Feeder main Project (Missisauga, Ontario), resulting in over $10 billion in project budgets.

01/20 – 03/21	**Coldwell Banker Richard Ellis, Europe (Spain, Andorra, Italy) from Headquarters in Portugal.** *International Business Development Manager.* ***Managing full life cycle projects*** from development through completion, including during pandemic-related challenges. Identified and executed new international opportunities as part of the development strategy, acquiring new projects in France, Andorra, and Italy. Delivered high-quality presentations to prospects, resulting in a doubling of the company's sales revenue within 12 months. Implemented strategic initiatives to meet organizational budgeting goals and developed customer relationship programs to enhance client satisfaction and retention.
08/08 – 09/09	**Historical Heritage Department, City Hall of Ibiza, Ibiza, ES.** *Senior Consultant.* Supported work within the World Heritage City Department and Rehabilitation Area responsible for the Integral Rehabilitation Area. ***Verified compliance with regulations set*** by the United Nations Educational, Scientific and Cultural Organization Committee for Integrated Rehabilitation Areas.
08/06 – 08/08	**Public Infrastructures, Balearic Island Goverment, Ibiza, Spain**. *Construction Manager.* Led several main projects, including restoration of the Archeological Museum, construction of an 8,800-square-meter Alzheimer hospital, development of a sports facility center, construction of Schools, restoration of St. Tomas Church, and multiple heritage façade restoration projects.

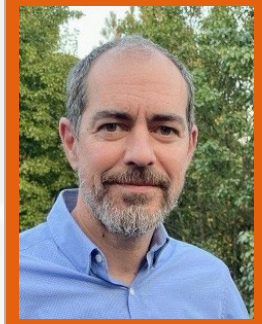
Firm employed by. ARCADIS			
Name	**David Maestro Saez, PE**	Years of relevant experience with this employer	1
Title	Project Director	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		MSE / 2013 / Structural Engineering, Illinois Institute of Technology BS and MS / 2013 / Civil Engineering, UPC-Barcelona Technology	
Active registration number / state / expiration date		PE. 85359 / CA / Exp. 06/30/2028 / PE. 144989 / TX / Exp. 07/31/2027	
Year registered	2016	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Alternative Delivery Technical Services – Progressive Design Build & Design Build**	

Mr. Saez has 13+ years of experience leading engineering teams on high profile P3 and DB infrastructure projects. Technical lead in charge of value engineering, schedule and budget, engineering risk management and negotiation with design consultants, contractors and clients.

Experience Dates	Experience and qualifications relevant to the proposed contract
05/25 – Ongoing	**Arcadis, U.S., Inc., Mobility Major Projects, TX.** *Design Build Project Director*. Led project delivery for Alternative Delivery projects for contractor clients, confirming projects were managed and delivered profitably, monitoring project risks, and implementing technical innovations to support Design-Build projects delivery. Oversaw the project team and was responsible for both the tender phase and the detailed design phase. Responsibilities included overseeing the success, management, and mentoring of the practice staff (project managers) to achieve operating metrics, including financial performance, strategy development, delivery high-quality projects and work products, technology leadership, and client/account development. Managed health and safety stewardship, cross-selling, business development strategies, compliance with company policies and procedures, and training development.
06/17 – 04/25	**North Tarrant Infrastructure, LLC., Engineering Services, TX.** *Design Manager.* Led the bidding design and detailed design team on three projects: NTE Segment 3C ($800 million), NTE Segment 3A Sylvania Elements ($100 million) and NTE Segment 1 and 2W Capacity Improvements ($342 million). Responsibilities included: • Managed engineering department with a design team of 17+ engineers both during procurement stage to develop bid and in detail design to complete construction plans, using a combination of in house production with the engineering team and external support from consultants. • Oversaw all technical aspects of design: roadway, structures, geotechnical, drainage, retaining walls, earthwork, traffic control, and traffic operations, implemented design optimizations and verified compliance with technical requirements. • Negotiated with the Department on project design topics and change order opportunities. • Created corporate concepts (design ratios and spreadsheets) for future projects and management, evaluated project performance and developed lessons learned.

	• Served in a key personnel position approved by the Department.
09/12 – 05/17	**Ferrovial Construction U.S. Corp., Engineering Services, TX.** *Bidding and Preconstruction Design Manager*. Managed the design team on proposals for large-scale public-private partnership and Design-Build projects for the North America Region. Responsibilities included: • Oversaw all aspects of the technical design and verified compliance with requirements. • Analyzed typical design elements to establish simplified criteria, and identify both design risks and value engineering opportunities. • Evaluated alternative designs and assessed implementation benefits. • Managed proposal design development, including preliminary design and construction bill of quantities, with support from external design consultants. • Prepared technical documents for submittal to the Owner in response to the Request for Proposals. • Participated in meetings and contacts with the Owner related to design issues. • Created corporate concepts (design ratios and spreadsheets) for future proposals and management. Projects: SH99 Segments H and I, Houston, TX ($900 million) / Denver International Airport, Denver, CO ($450 million) Other Selected Projects: IH35E Managed Lanes, Dallas, TX / I-77 High-Occupancy Toll Lanes, Charlotte, NC / Ohio Route 823 Bypass, Portsmouth, OH / SH 183 Managed Lanes, Dallas, TX / SH 288 Managed Lanes, Houston, TX (all between $400 million and $1 billion)

Firm employed by: ARCADIS			
Name	**Sergi Lozano Sole, PE**	Years of relevant experience with this employer	1
Title	Senior Design Manager Alternative Delivery	Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering, Universitat Politecnica de Catalunya	
Active registration number / state / expiration date		PE. 052302/ GA / Exp. 12/31/2026; PE. 053037/ NC / Exp. 12/31/2026	
Year registered	2021	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Alternative Delivery Technical Services – Design Manager**	



Mr. Sole brings 22 years of transportation and roadway design experience, including 12 years supporting design-build and other alternative delivery projects for state departments of transportation. In his current role as Senior Design Manager – Alternative Delivery at Arcadis, he leads complex roadway projects with emphasis on technical excellence, constructability, and efficient project delivery. His background also includes 12 years in the Engineering Services division of a contractor focused on major transportation projects delivered through alternative methods, providing him with a strong understanding of contractor expectations, risk management, and delivery integration. He has served as roadway design lead on multiple interstate and express lane projects and has contributed through all phases of project execution, from technical proposals and final design to post-design support during construction. This combination of designer-side and contractor-side experience positions him to support the proposed contract with practical, delivery-focused solutions that enhance project functionality, improve constructability, and reduce impacts to the traveling public and stakeholders.

Experience dates	Experience and qualifications relevant to the proposed contract
05/26 – 06/26	**I-10 Calcasieu River Bridge, LADOTD, LA.** *Design Manager.* Reconstructed 6-miles of I-10 between Lake Charles and West Lake in Louisiana, including replacement of the existing bridge over the Calcasieu River, with an estimated construction cost of $2.3 billion. During the detailed design phase, Arcadis was responsible for the design of a 2-mile long segment of interestate and for delivering the traffic disciplines design for the full corridor. Served as ***Arcadis' Design Manager for the firm's scope of work, managing the discipline leads responsible for design production***. Supported the team implementing value engineering changes that optimize design, reduce risk, and facilitate construction, and led the development of an alternative interchange design to improve constructability and reduce cost. Maintained ***design quality and compliance*** with technical provisions and applicable standards, and coordinated the team to maintain schedule performance amid ongoing design changes.
09/22 – 05/24	**SR-400 Express Lanes, GDOT, Fulton and Forsyth Counties, GA.** *Roadway Design Lead.* Added two toll lanes in each directions along a 16-mile section of SR-400 freeway from Sandy Springs to southern Forsyth County. The project included three express lane interchanges with crossing roads and additional slip ramp connections. The project also considered BRT service on the Express lanes and includes two BRT stations, and a flyover access to a BRT park-and-ride facility. ***Served as the contractor's roadway design lead during project procurement, and oversaw the work of the design consultants responsible for the Technical Proposal Design***. Led the development of alternative technical concepts, including interchange reconfigurations. Collaborated with the developer and the construction teams to optimize deisgn. propose value engineering changes, improve constructability and minimize minimize risks. Maintained design quality and conformance with the

	technical provisions and applicable standards. Provided technical guidance for MOT plan development in coordination with the construction team, and contributed to the technical proposal narrative.
01/21 – 01/22	**I-285/I-20 East Interchange, GDOT, DeKalb County, GA.** *Roadway Design Lead.* Reconstructed the interchange between I-285 and I-20 on the east side of Atlanta, reconstructed an arterial interchange, added collector-distributor roads, and widened a 1-mile section of I-285 and a 6.5-mile section of I-20. Served as the ***contractor's roadway design lead during project procurement, and oversaw the work of the design consultants responsible for the Technical Proposal Design***. Led the development of alternative technical concepts, including a redesign of the main interchange configuration that reduced cost and environmental impacts maintaining traffic performance. Proposed value engineering changes to reduce cost, minimize risk, and improve constructability, while maintaining design quality and conformance with the technical provisions and applicable standards. Provided technical guidance to the designers developing the MOT plans in coordination with the construction team and contributed to the technical proposal narrative.
09/18 – 05/19	**LBJ East Express Lanes on I-635, TxDOT, Dallas and Mesquite Counties, TX.** *Roadway Design Lead.* Added barrier-separated toll lanes in both directions along an 11-mile section of I-635 NE of Dallas, between US 75 and I-30. Included the reconstruction of 11 arterial interchanges and the I-30 interchange, as well as multiple express lane direct connectors and slip ramps. Served as the contractor's roadway design lead during project procurement, and oversaw the work of the design consultants responsible for the Technical Proposal Design. ***Led the development of alternative technical concepts, including a redesign of the main interchange, several new express lane connections, and new interchange configurations that were incorporated into the technical proposal***. Proposed value engineering changes to reduce cost, minimize risk, and improve constructability, while maintaining design quality and conformance with the technical provisions and applicable standards. Supported provided technical guidance to the designers developing the MOT plans in coordination with the construction team.
01/15 – 09/18	**I77 HOT lanes, NCDOT, Mecklenburg and Iredell Counties, NC.** *Roadway Design Lead***.** Added toll lanes on both directions along a 26-mile section of I77 from uptown Charlotte to Mooresville. Included multiple new express lane access points: arterial interchanges, new direct connectors and mainline slip ramps. Served as the contractor's roadway design lead during the detailed design and post-design phases. Oversaw the consultants designing the project, reviewing roadway and drainage design, traffic control plans, signing and markings, signals, lighting, and ITS. Maintained design quality and compliance with applicable standards and contract requirements, guided the team in optimizing constructability, and implemented value engineering improvements. Led the development of several roadway geometry improvements, including new direct express lane access points at several locations. ***Supervised the preparation of design exceptions, provided technical direction for MOT plan development in coordination with the construction team, and managed design changes during construction to address constructability issues and design errors.***

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

17

With decades of experience across the Gulf Coast region, Arcadis' geotechnical team is strengthened by our trusted partners, **Eustis Engineering, L.L.C.** and **Ardaman & Associates, Inc.**, delivering comprehensive expertise for projects of all sizes and complexities. Together, these firms bring a deep bench of knowledge supported by more than 24,000 completed projects and extensive historical data, allowing them to anticipate challenges and apply proven solutions that keep projects on schedule and within budget. This combined experience and technical capability ensures a seamless, high-quality approach to geotechnical engineering that drives efficiency and confidence from planning through construction.

Both of our geotechnical firms have been actively involved in with critical projects all over the state— providing a comprehensive range of geotechnical and materials testing services.

Stronger Together.
Delivering More.

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Road, Bridge, Other (Drainage), Traffic, Planning, ITS, Environmental
Project name	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, Angelica Corradi, Jason Morrell, Eric Kalivoda, Colin Sarratt, Victor Sanchez, Hunter Guidry, Osama Shahawy, Lina Khoury, Cailyn Youmans, Gabriel Arias, Catherine Bruns, Suberina Jocelyn, Daniel Burgin

Arcadis' key client program and global experience delivering design, environmental, and permitting services influence winning strategy

Arcadis, a global leader in intelligence-driven sustainable design, engineering, and consultancy solutions, has been appointed to support design work for the I-10 Calcasieu Bridge Improvements Project in Louisiana, US.

Working as part of a joint venture (JV) with Janssen and Spaans Engineering Inc., Modjeski and Masters, and Huval and Associates, Inc. (known as the Calcasieu Design Partners), the team will support Louisiana Bridge Builders, a construction joint venture between Arcadis' key client Acciona and Sacyr Construction. The project is overseen by the concessionaire, Calcasieu Bridge Partners (Acciona, Sacyr, and Plenary), in collaboration with the Louisiana Department of Transportation and Development, a key client of Arcadis.

The replacement of the seventy-year-old Calcasieu River Bridge will revive a vital connection between the Louisiana cities of Lake Charles and Westlake. With a project cost valued at $2.3 billion, the Calcasieu Design Partners will upgrade a crucial five-and-a-half-mile stretch of I-10, delivering enhancements to improve safety, connectivity, and sustainability.

Over eight years, Arcadis' scope of work for the project includes updating existing interchanges and roadways. Pulling on expertise from across North America, the Netherlands, and our Global Excellence Centers in India, Romania, and the Philippines, Arcadis will deliver a wide range of specialized intelligent mobility, engineering, and design services to support the successful execution of the project, including:

- Environmental studies and permitting;
- Traffic engineering, including the development of a Transportation Management Plan and the design of permanent signage, signals, and pavement markings;
- Intelligent Transportation Systems (ITS);
- Structural design for sign support structures, roadway and drainage; and
- Bridge design for the I-10/I-210 flyover ramp and hydraulic modeling for the main span bridge

Relevant Services

- Roadway Design
- Drainage Design
- Construction Quantities
- Signal Design
- ITS Design and Communications
- Pavement Marking Design
- Traffic Engineering
- Maintenance of Traffic
- Signal Timing Plans
- Environmental Permitting

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Bridge, Traffic, ITS, Other (Drainage), CEI/OV, Environmental
Project name	**I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)**	Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	Louisiana Department of Transportation and Development
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd, RM 602-L, Baton Rouge, LA 70802; 225 379 1331		
Services commenced by this firm (mm/yy)	10/20	Total consultant contract cost ($1,000's)	$20,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,500

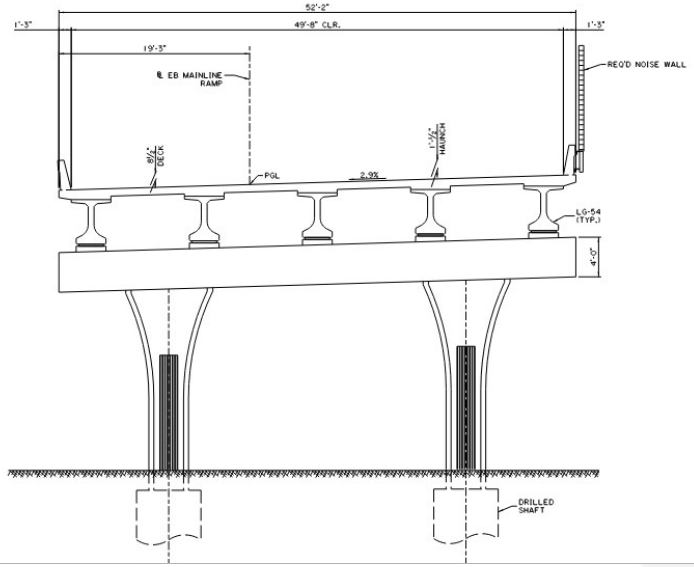
Firms Members: Osama Shahawy, Akhil Chauhan, Kester Hollier, Jose Rodriguez, Ari Deitch, Collin Sarratt, Krishna Singaraju, Sushil Dhungana, Paul Hsu, Max Aguirre, Sarath Gorthy, Daniel Burgin

Firms Role: Bridge and structural design, permanent signing design, construction support, transportation management plan (TMP), interchange modification reports (IMRs).

As part of the COREX10 (Corridor Renewal, Enhancement, and Expansion for I-10) team, Arcadis is responsible for ***bridge and structural design***, development of interchange modification reports (IMRs), permanent signing plans, and development of a ***transportation management plan (TMP).*** The project aims to widen I-10 from 3 to 4 lanes in each direction, including ***bridge replacement and rehabilitation***, interchange and ramp modification, shoulder widening, and auxiliary lanes from LA 415 to Essen Lane. The RCP Plan Phase and Phase 1 Design for the project are in development, including the I-10 segment from the Mississippi River Bridge to Essen Lane.

Relevant Services

- Bridge and Structural Design
- Traffic Study and Design
- Construction Cost Estimate
- Transportation Management Plan
- Stakeholder and Agency Coordination



Bridge / Structural Design—Arcadis is tasked with designing and detailing the substructures for the Terrace-Washington mainline bridges and the I-110 ramp connecting to the EB mainlines. This includes ***temporary and permanent bridge widening*** for the EB and WB mainlines, converting and ***rehabilitating an existing ramp into a bridge*** by extending the existing columns, and using new bent caps. Conducting ***phase construction.*** The foundation layout is developed to incorporate the Greenway shared path beneath the mainline bridges.

Management Plan—Arcadis is responsible for developing the project's TMP, which is critical to ensuring the safety of motorists and workers, the quality of work, and minimizing travel delays during construction. Arcadis developed a ***calibrated mesoscopic model to evaluate construction phasing alternatives,*** determine the impacts on interstate and local networks, and identify practical mitigation strategies.

Permanent Signing – Permanent signing plans are being developed to replace all existing guide and standard signs along the corridor. Proposed signs utilize the latest state and federal policy guidance and employ strategies such as sign spreading to safely and efficiently guide motorists through the corridor

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Road, Bridge, CEI/OV, Traffic, Survey, Environmental, Geotech, Other (lighting)
Project name	Region 1 General Engineering On-Call Services	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Ridge Valley and Upper Piedmont Region (District 1 & 6 and Douglas/Cobb Counties in District 7, GA	Owner's Project Manager	Bryan Lott
Owner's address, phone, email	One Georgia Center, 600 West Peachtree NW, Atlanta, GA 30308, 404.631.1569, blott@dot.ga.gov		
Services commenced by this firm (mm/yy)	11/15	Total consultant contract cost	$71,000 (Four total recompetes)
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm	$71,000 (Four total recompetes)

Firm Members Involved: Matt McDow, Shamindra Fernando, Rhonda Tilt, Kristen Kasmire, Jonathan Langley, Keith Kunst, Amanda Check

Arcadis has led the Region 1 Contract since its inception in 2015. We are currently on **our fourth consecutive contract providing GDOT a wide range of engineering services to deliver projects in north Georgia**. Design services include concept, preliminary, ROW, and final plans for various projects, including roundabouts, intersection improvements, bridge replacements, roadway widening, and new location projects. In addition to stand-alone projects, the scope also includes support services such as survey, aerial mapping, environmental, traffic forecasting, geotechnical, SUE, lighting, and plan review to support other project teams. Other highlights include finalizing six projects initiated by others, developing a new standard scoping templates for Scoping Study and Full Depth Pavement Reconstruction projects, and working with GDOT to streamline the TO procurement process.

Contract Performance: While we understand that delivery of quality technical expertise is paramount, we also recognize that the primary benefit of delivering these services via this Region 1 Contract versus stand-alone project RFQ's is schedule. With this in mind, we have coordinated with GDOT to streamline TO scoping and procurement processes and have recently developed a new feature to our TO Dashboard to track the timeline for TO Procurement. This new feature provides full transparency on the TO procurement timelines and has highlighted common bottle necks and areas in need of improvement. We push TO procurement to ensure timely NTP's and continue pushing schedules throughout the delivery phase. We developed a system to notify our Contract Manager of all major deliverables upcoming within the next 6 months. This additional oversight provides assurance project schedules can be maintained and, in the rare situations where they can't, early notification to GDOT and development of realistic recovery schedules.

Expedited Project Delivery: Working in collaboration with GDOT staff on the Region 1 contract, the team established best practices and lessons learned that have resulted in expedited project delivery, including the development of tools and processes that, in many cases, have cut the procurement timeline in half. The team also developed and refined a systematic approach to project scoping and delivery.

Current Region 1 Procurement Timeline

With a thorough understanding of how to control scope, schedule, and budget, the team brought their expertise and these strategies to minimize impacts to project delivery:

- ✓ Pushing back on Field Plan Review comments that affect project scope
- ✓ Early coordination to obtain Design Variance and Exceptions
- ✓ Evaluating the necessity of geotechnical, SUE, and other PDP items based on project complexity
- ✓ Proactive scheduling of TO procurement to avoid project delays

Successful delivery of over $60 Million for GDOT in Region 1

Completed 260+ Task Orders in Region 1 over 4 contracts

Created Contract Dashboard now used on all Region Contracts

17 FIRM EXPERIENCE:

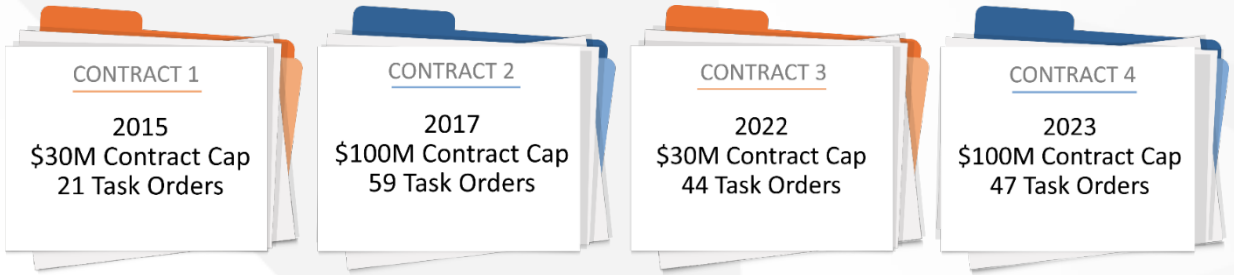
Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Road, Bridge, CEI/OV, Traffic, Survey, Environmental, Geotech, Other (lighting)
Project name	P3 General Engineering Consultant (GEC)/Construction Engineering and Inspection (CEI) Services On-Call	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Statewide, GA	Owner's Project Manager	Andrew Hoenig, PE
Owner's address, phone, email	One Georgia Center, 600 West Peachtree NW, Atlanta, GA 30308, 404 347 0185, ahoenig@dot.ga.gov.		
Services commenced by this firm (mm/yy)	06/2015	Total consultant contract cost ($1,000's)	$260,000 (multiple recompetes)
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$260,000 (multiple recompetes)

Firm Members Involved: Matt McDow, Shamindra Fernando, Rhonda Tilt, Kristen Kasmire, Jonathan Langley, Keith Kunst, Amanda Check

Arcadis provides technical services for and serves as an advisor to GDOT P3 Division in the development, management, and implementation of alternative delivery projects, from initial concept development in the pre-let phase through procurement and final design and construction in the post-let phase. Arcadis provides the full range of GEC services in every district within the contract (previously statewide) within an array of physical and time constraints. We have served as GEC on numerous simultaneous alternative delivery projects of varying complexity and scope, with increasingly accelerated schedules, including economic development initiatives, bridge replacements, interstate widenings, interchange enhancements, and operational improvements in highly constrained environments. Some projects have included:

- SR 25 at Savannah River (Houlihan) & Middle River Bridge Replacements
- I-75 at Bethlehem Road Interchange Pre-let Services
- I-75 at Bethlehem Road Interchange Post-let Services
- State Route (SR) 42 at Norfolk Southern (NS) Bridge Replacement Pre-let
- State Route (SR) 42 at Norfolk Southern (NS) Bridge Replacement Post-let Services
- Statewide ITS Dynamic Message Sign (DMS)
- I-85 at State Route (SR) 42/North Druid Hills Road: Interchange Improvements and Bridge Replacement over Peachtree Creek
- US 278 and Old Mill Road Improvement Projects
- I-285 Westbound Auxiliary Lane Extension
- FY 22 DB Bridge Replacements (Six locations)
- I-20 @ Savannah River

To date, our DB GEC services have led to about $1.2B of DB construction projects in GA. Most recently, we have responded to the need to deliver multiple DB projects simultaneously over the last 16 months to help the state meet its commitments to major stakeholders and developers under extremely accelerated schedules through our work on Project Adventure, I-85 at N. Druid Hills Interchange, and Project EA. Each project presents unique challenges, and Arcadis always responds with innovative solutions to mitigate each, resulting in successful, on-time delivery.



17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Road, Bridge, CEI/OV, Traffic, Survey, Environmental, Other (Drainage)
Project name	TDOT Alternative Delivery On-Call	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Tennessee Department of Transportation (TDOT)
Project location	Statewide, Tennessee	Owner's Project Manager	Clayton Markham, Director of Alternative Delivery
Owner's address, phone, email	James K. Polk Building, Suite 500, 505 Deaderick Street, Nashville, TN 37243, 615.350.8332, clayton.markham@tn.gov		
Services commenced by this firm (mm/yy)	10/2024	Total consultant contract cost ($1,000's)	$15,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$7,950

Firm Members Involved: **Lina Khoury, Kristen Kasmire, Chris Goddin**

Arcadis built our team with both quality and redundancy in mind to ensure TDOT had the appropriate resources to deliver the alternative delivery projects.

Arcadis was selected for the TDOT Alternative Delivery GEC On-Call contract in October of 2024. We have provided Owner's Representative services on 8 different projects including 2 Hurricane Helene emergency bridge projects.

We provided TDOT with a deep bench of professionals that included our trusted Tennessee staff and additional resources from other states that have held similar GEC contracts.

PROJECT NAME	SCOPE OF SERVICES	DELIVERY METHOD
SR-107/SR-81 Nolichucky River Bridge Replacements	Project management, Design review, Hydraulics review, CPM review, construction oversight, costing	Progressive Design-Build
SR-67 Doe River Bridge Repair	Project management, design review, hydraulic review, RFP development, costing	Progressive Design-Build
I-40 over 8th Avenue Bridge Replacements	Project management, Design review, Procurement, price and risk facilitation, costing	CM/GC
I-24 at Shellmound Road Bridge Replacements	Project management, preliminary plans, RFP development, costing, geotechnical	Design-Build
Wilcox Blvd Bridge Replacement	Project management, plans review, schedule reviews	CM/GC
SR-14 at I-55 Structural Foundation Design	Project management, structural foundation design (HDR)	CM/GC
I-65 Bridge over Cumberland River	ICE	Progressive Design-Build
I-24 Moccasin Bend	Design review (L&G) and costing. Additional owners representative scope anticipated	CM/GC, Design-Build

Relevant Services

- Roadway and structural design review
- Preliminary Design
- Hydraulic Review
- Permitting
- ICE Services
- CTD
- RFP Development
- Risk Workshops
- CPM Schedule Review
- Project Schedule Development

17 FIRM EXPERIENCE:

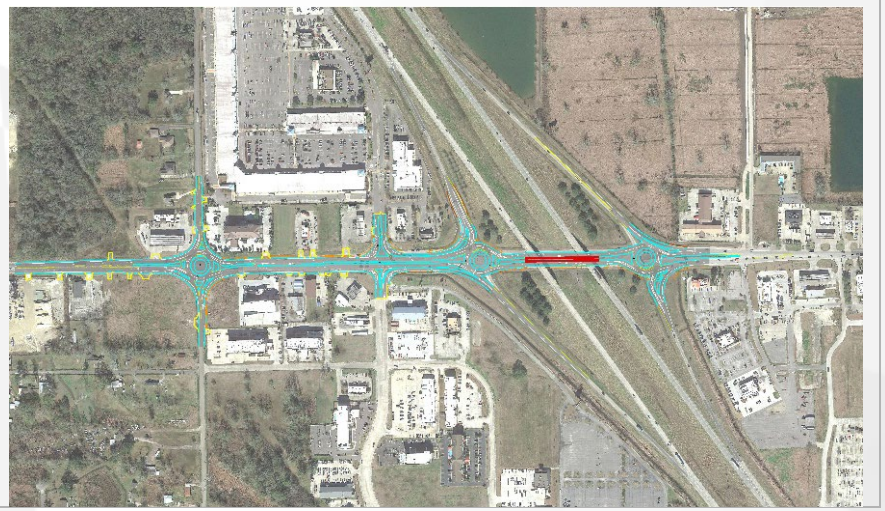
Firm name	Stanley Consultants	Past Performance Evaluation Discipline(s)*	Road, Traffic
Project name	LA 30 Roundabouts at Tanger I-10	Firm responsibility (prime or sub?)	Prime
Project number	H.010960.5	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Ascension Parish, Louisiana	Owner's Project Manager	Joshua Harrouch
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802, 225 242 4640, joshua.harrouch@la.gov		
Services commenced by this firm (mm/yy)	03/17	Total consultant contract cost ($1,000's)	$1,074
Services completed by this firm (mm/yy)	07/22	Cost of consultant services provided by this firm ($1,000's)	$825

Firm Members Involved: Jesse Tisdale, Adam Fields, Jared Blohowiak

The special project aspect is that complex spiral geometry was required to provide all necessary turning movements through each of the three roundabouts included in this project. This project was sequenced to be constructed while maintaining all lanes of through traffic.

Stanley Consultants provided engineering and related services to develop full-size construction plans for roundabouts at the intersection of LA 30 and Tanger Boulevard, and at the Eastbound and Westbound ramp termini at the LA 30 and I-10 Interchange in Gonzales, Louisiana.

In order to relieve congestion and mitigate intersection safety concerns through the LA 30 corridor in Gonzales, Louisiana, Stanley Consultants provided design phase services for the replacement of three existing signalized intersections with three roundabouts. Early and often coordination with DOTD's Traffic and Road Design Sections resolved concerns related to constructability issues and roundabout operations. Design challenges overcome during the project included the use of spiralized geometry; significant utility coordination with the City of Gonzales and their representative engineering firm; sequencing construction to maintain all travel lanes through this high ADT corridor and through the I-10 ramp termini; and addressing the constant ongoing development within the project area during design. Our team had to be nimble to keep up with and accommodate the many changes and evolving conditions.



17 FIRM EXPERIENCE:

Firm name	Stanley Consultants	Past Performance Evaluation Discipline(s)*	Road, Traffic, Geotech
Project name	I-12 Widening: LA 21 to US 190 and LA 1077 to LA 21	Firm responsibility (prime or sub?)	Prime
Project number	H.011137	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	St. Tammany Parish, Los Angeles	Owner's Project Manager	Jacob Fusilier
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Los Angeles 70802, 225 379 1185, jacob.fusilier@la.gov		
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)	$2,756
Services completed by this firm (mm/yy)	09/21	Cost of consultant services provided by this firm ($1,000's)	$2,003

Firm Members Involved: **Blake Roussel, Jesse Tisdale, Adam Fields, Jared Blohowiak**

The Stanley Consultants Team used its diverse and talented team to complete this project for DOTD under a very accelerated design schedule. We also successfully coordinated these two design projects with the simultaneous adjacent I-12 design project led by Dennis Hymel and Paul Olivier. This required coordination specific to Maintenance of Traffic (MOT), Construction Staging, Drainage and additional activities.

Relevant Services

- Complete Bridge Design Plans
- Geotechnical Services
- Critical Path Modeling
- Independent Cost Estimation

Stanley Consultants provided all engineering services required for preliminary and final roadway design plans.

LA 21 to US 190 incorporated approximately 3.7 miles of improvements. LA 1077 to LA 21 incorporated approximately 3.4 miles of improvements. The corridor model and PGL elevations were developed to accommodate cross-slope corrections and a slotted median barrier. A significant amount of communication and coordination effort was mandatory with District 62 and Headquarters to successfully complete a Level 4 Transportation Management Plan (TMP) and the development of the sequence of construction maintaining two lanes of traffic in both directions over the Tchefuncte River. The Stanley Consultants Team was responsible for all engineering services required for preliminary and final roadway design plans, all permanent signage, preliminary and final bridge design plans, geotechnical services, Independent Contractor Estimate (ICE) and Critical Path Modeling (CPM).

17 FIRM EXPERIENCE:

Firm name	Stanley Consultants	Past Performance Evaluation Discipline(s)*	Road
Project name	Bootlegger Road Mill and Overlay and Bridge Design	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	St. Tammany Parish Government
Project location	Covington, Louisiana	Owner's Project Manager	Jason Cambre
Owner's address, phone, email	620 North Tyler Street, Covington, Louisiana 70433, 985 898 2552, jpcambre@stpgov.org		
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost ($1,000's)	$441
Services completed by this firm (mm/yy)	06/18	Cost of consultant services provided by this firm ($1,000's)	$248

Firm Members Involved: Blake Roussel, Adam Fields, Jared Blohowiak

This corridor experienced a deteriorating roadway and increased traffic due to population growth and urban sprawl.

St. Tammany Parish's goal was to perform infrastructure improvements via mill and overlay and rehabilitate or replace the existing bridge. The Parish lumped these two projects into a single design for a streamlining and more economical decision of taxpayer dollars.

St. Tammany Parish procured the services of Stanley Consultants to perform the engineering and design. A traffic data inventory was performed, along with a coring of the existing highway, to determine if the existing pavement section is suitable for projected traffic volumes as this area is one of Louisiana's fastest growing Parishes in the state. The proposed bridge included a shared-use path on the deck providing connectivity for several miles of pedestrian paths. Services included atopographic survey, right of way mapping, soil analysis, traffic data inventory, feasibility study, conceptual engineering design, opinion of construction cost, preliminary wetland assessment, and Corps of Engineers (USACE) jurisdictional determination for the mill & overlay and bridge design along a 3-mile segment of Bootlegger Road located in Covington, LA.

The proposed roadway is detailed as a two lane rural collector with 2-12 ft travel lanes, 2 ft aggregate shoulders, open ditch and subsurface drainage, and a shared-use path. The feasibility of a shared-use path is to be evaluated based on line and grade, coordination, and agreements to occupy a utility company's easement. The replacement of a timber bridge with a newly designed at-grade span bridge is also included within the project limits.

The life of the road will have another five-ten years before having to perform another surfacing improvement. The bridge will provide a safe crossing for many years to come.

Relevant Services

- Preliminary Plans
- Sidewalk Feasibility Test
- Load Rating Analysis
- Surveying
- Hydrologic and Hydraulic Analysis
- Environmental Services
- Construction Engineering and Inspections

17 FIRM EXPERIENCE:

Firm name	MODJESKI and MASTERS	Past Performance Evaluation Discipline(s)*	Bridge, Geotech, Survey, Road, Traffic, Environmental
Project name	IDIQ Contract for Bridge Preservation Services	Firm responsibility (prime or sub?)	Prime
Project number	44-24187	Owner's name	Louisiana Department of Transportation and Development
Project location	Statewide, LA	Owner's Project Manager	Mark Bucci, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, (225) 379-1076, Mark.Bucci@la.gov		
Services commenced by this firm (mm/yy)	10/22	Total consultant contract cost ($1,000's)	$12,250 (Max.)
Services completed by this firm (mm/yy)	10/27	Cost of consultant services provided by this firm ($1,000's)	$2,170

Members Involved: Cullen Ledet, Jonathan E. Gerhart, Yu Ouyang, PE

As the Prime Consultant, Modjeski and Masters assembled a highly qualified, multi-disciplinary team to perform and execute twenty (20) task orders for the LADOTD under a five-year IDIQ Bridge Preservation Contract. M&M was responsible for engineering and related services and the management of subconsultants contracted to provide support as part of the M&M team. All task orders were completed on schedule and within budget. M&M provided bridge engineering services for fixed and movable bridges which included new bridges, bridge replacements, bridge rehabilitation, bridge preventive maintenance and repair, and roadway lighting. Movable bridge engineering services included structural, mechanical, electrical, and architectural feasibility, design and plan development, and construction related engineering services.

The major work items performed in this IDIQ contract included the following:

- Bridge Engineering (Fixed and Movable)
- Bridge Load Rating/Analysis
- Geotechnical Investigation
- Instrumentation and NDT
- Construction Related Engineering Support
- Road Design/Traffic Engineering/TMP
- Bridge Inspection & Coatings Evaluation
- Surveying
- Environmental/Permitting

A summary of ongoing and completed task orders associated with this contract includes, but is not limited to, the following:

- Crescent City Connection Decorative Lighting Design, TMP and CRES
- Luling Bridge Latent Defects Investigation
- LA 24 ICWW Girder Damage Repair and CRES
- Chef Menteur Pass Bridge Rehab Scoping
- I-10 overpass over US 165 investigation
- West Larose Vertical Lift Rehab
- I-20 Vicksburg Span Jacking and Instrumentation/Monitoring
- Cane River Bridge Navigation Lighting Design
- Cameron Ferry Landing Replacement Feasibility Study

17 FIRM EXPERIENCE:

Firm name	MODJESKI and MASTERS	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Huey P. Long Bridge Widening	Firm responsibility (prime or sub?)	Prime
Project number	700-18-0014	Owner's name	Louisiana Department of Transportation and Development
Project location	Jefferson Parish, Louisiana	Owner's Project Manager	Mark Bucci, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1076, Mark.Bucci@la.gov		
Services commenced by this firm (mm/yy)	12/86	Total consultant contract cost ($1,000's)	$25,684
Services completed by this firm (mm/yy)	08/13	Cost of consultant services provided by this firm ($1,000's)	N/A

Members Involved: **Yu Ouyang, Cullen Ledet**

The Huey P. Long Bridge is a high-level, combination highway and railroad bridge which crosses the Mississippi River in Jefferson Parish, Louisiana and is part of the complex urban freeway system in the area. The total structure length, including approaches, is approximately 23,000 ft. The main span unit is 3,524 ft. long, consisting of a 750-ft. cantilever through truss span, two 530-ft. anchor truss spans, one 530-foot simple through truss span, and four deck truss spans. The firm designed the structure and provided construction supervision from 1925 until 1936.

The original design called for two 9' vehicular lanes (in each direction) to be bracketed from the trusses. The LADOTD decided to widen the highway portion of the Huey P. Long Bridge to keep highway traffic, and commerce, flowing in the region. Modjeski and Masters were called upon to oversee the ambitious project, providing engineering services for the widening of the main bridge, new approaches, and improved interchanges at each end of the crossing. Beginning in April 1988 with the conceptual study of the truss bridge's widening, work on the project has included line and grade studies, geometric design, corridor upgrades, and environmental documentation. Later phases of work included performing structural services, fatigue studies, preliminary and final design work for new auxiliary trusses, pier widening, pier support brackets, steel and concrete girder highway approaches, and modifications to the railroad approaches. Highway and drainage design was performed for the at-grade connections to the crossing and to improve the existing connecting roadways and interchanges. The project was successfully completed in 2013.

Project Features:

- Phase 1 – Conceptual study of the widening including: line and grade studies, geometric design, corridor upgrading. The widening was to provide three 11 ft. vehicular lanes and shoulders in each direction.
- Phase 2 – For the Structure (approaches, main bridge and substructure) preliminary and final design for new auxiliary trusses, main river pier top widening, drilled shaft and pile supported approach piers and modifications to railroad approach superstructure to accommodate vehicular lane shifts, and cost estimates.
- Phase 2A – For the Interchanges (East and West Bank) line and grade plans, geometric design preliminary and final plans and cost estimates.
- Phase 3 – Construction Engineering Office support was provided to check thousands of shop drawings, handle RFI's and consult as needed in support of a construction monitoring team By Others for the project.
- Phase 4 – Bridge Load Rating and Final Design Report

17 FIRM EXPERIENCE:

Firm name	MODJESKI and MASTERS	Past Performance Evaluation Discipline(s)*	Other (Aesthetic Lighting Design)
Project name	Crescent City Connection Decorative Lighting	Firm responsibility (prime or sub?)	Prime
Project number	H.015504	Owner's name	Louisiana Department of Transportation and Development
Project location	New Orleans, Louisiana	Owner's Project Manager	Christina Brignac, PE
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA 70802, 225 379 1394, christina.brignac@la.gov		
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$804
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm ($1,000's)	$725

Firm Members Involved: **Cullen Ledet, Jonathan Gerhart, Thien Pham**

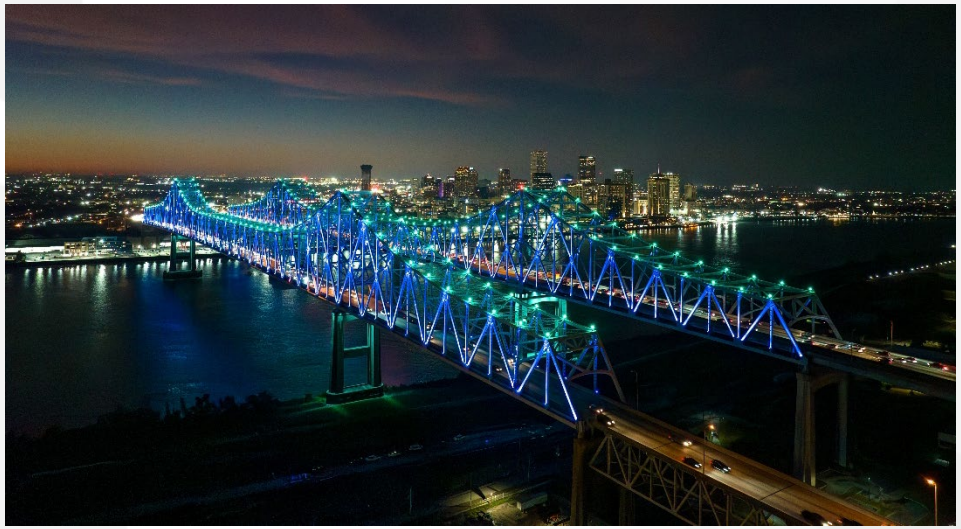
The Crescent City Connection is a hallmark feature of the New Orleans city skyline. The twin-span cantilevered structure carries traffic between the East and West banks of the Mississippi River. First designed in the 1950s by Modjeski and Masters, the bridge was twinned in the mid-1980s, and later had a decorative lighting system installed in 1987. The original lighting system started showing signs of age in 2010 as insulation around electrical wires began deteriorating from sunlight and weather. The vulnerability of the electrical system made gaps in the lines more and more frequent. After Hurricane Ida struck New Orleans in 2021, damage from the storm created electrical system surges that resulted in severe damage to the electrical distribution as well as the installed lights. The Louisiana Department of Transportation and Development (LADOTD) was left with only two options: reconstruct an outdated electrical grid or completely overhaul to a new technology. Given the firm's extensive history with the bridge and expertise in lighting design, the LADOTD tasked Modjeski and Masters with designing a replacement lighting system. The new decorative lighting system includes remotely operated dynamic LED necklace lighting on the top chords, uplighting on selected truss members and downlighting on the main piers and would be on both the upriver and downriver sides of the two superstructures. Construction, installation and testing were completed by December 2024 in advance of the 2025 Super Bowl held on February 9, 2025, in New Orleans, LA.

Project Features

- Design and development of electrical lighting plans and specifications conforming to the LADOTD Illumination Standards and the National Electric Code.
- Coordination with the U. S. Coast Guard (USCG) for approval to install the decorative lighting, City of New Orleans and Maritime Association
- Develop Level 4 Transportation Management Plan (TMP)

Tasks Performed

- Electrical Design and Photometric Analysis
- LED Decorative Lighting Design
- Final Construction Plans and Specifications
- Construction Related Engineering Services



Firm name	CDM Smith	Past Performance Evaluation Discipline(s)*	Planning, Traffic, Environmental, Road
Project name	Mississippi River Bridge South to Greater Baton Rouge: LA 1 to LA 30 Connector	Firm responsibility (prime or sub?)	Sub
Project number	H.013284	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Baton Rouge, Louisiana	Owner's Project Manager	Paul Vaught, Critical Projects Administrator
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 70802, 225-379-1816, paul.vaught@la.gv		
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost ($1,000's)	$8,614
Services completed by this firm (mm/yy)	05/26	Cost of consultant services provided by this firm ($1,000's)	$1,165 (Phase I & II)

Firm Members Involved: **David Aron, Carleen Flynn, Richard Tillery, Wesley Blackwell, Ozge Cavusoglu**

CDM Smith evaluated new access across the Mississippi River and new connectivity between LA 1 and LA 30. The project's vision is to provide additional connectivity to the Greater Baton Rouge Area cross-river transportation network and to locate the new facility in a way that maximizes daily usage. Due to financial constraints, future connections to freeways or arterials beyond LA 1 and LA 30 that could support expanded route continuity and usability, such as forming part of a future corridor, are outside the scope of this project. However, the study will evaluate and consider traffic impacts created by the project and any associated mitigation.

During Phase I (2020–2022), the Planning Phase, the study team narrowed the number of potential alternatives to those that best met the project's purpose and need and achieved as many project goals as possible. An initial set of 32 alternatives was reduced to 10, which were presented to the public for input at six public meetings in Spring 2022. Based on public comments, the list was narrowed to three alternatives by Summer 2022. The project is nearing completion of Phase II of the DOTD Highway Project Delivery Process. Phase II includes a broader NEPA-specific engagement approach and focuses on detailed analyses of the remaining three alternatives to identify a preferred alternative. This decision is expected in mid-to-late 2026. Public input continues throughout the process.

Relevant Services

- Toll analysis
- Corridor planning
- Alternative analysis
- Traffic modeling
- Revenue modeling
- Environmental evaluation under NEPA, including federal FHWA review
- Public involvement and stakeholder engagement
- Conceptual engineering

Working on behalf of LADOTD as part of a larger study team, CDM Smith evaluated several proposed alignments for the new bridge across the Mississippi River south of Baton Rouge. The study included a revision of the Metropolitan Planning Organization (MPO) model and a revalidation of current traffic counts on existing study-area bridges. To support this work, CDM Smith obtained the latest traffic count data, INRIX speed data, and origin-destination data from StreetLight. The team developed estimated traffic volumes, toll revenues, and vehicle hours traveled for the various alignments. The revenue model included a review of regional bridge toll rates, development of 50-year toll revenue projections, and estimation of net present values. Under the current Phase II effort, CDM Smith revised the model to incorporate an independent review of socioeconomic forecasts, updated highway improvement assumptions, and updated tolling assumptions developed in coordination with LADOTD.

CDM Smith has participated in the public meetings where these alternatives were presented. The study will conclude with a report that documents the development of the traffic and revenue estimates for the final set of proposed alternatives.

Firm name	CDM Smith	Past Performance Evaluation Discipline(s)*	Planning, Bridge
Project name	P3 Strategic and Financial Planning Assistance	Firm responsibility (prime or sub?)	Prime
Project number	23-OPP-01	Owner's name	Illinois Department of Transportation (IDOT) Strategic Program Mgmt. Office
Project location	Statewide, Illinois	Owner's Project Manager	Michael Stirk, PE, Bureau Chief – Innovative Project Delivery
Owner's address, phone, email	115 South LaSalle Street, 11th Floor, Chicago, IL 60603, 312 914 3427 (mobile), michael.stirk@illinois.gov		
Services commenced by this firm (mm/yy)	04/24	Total consultant contract cost ($1,000's)	$5,575 (current contract)
Services completed by this firm (mm/yy)	04/27	Cost of consultant services provided by this firm ($1,000's)	$3,000 (current contract)

Firm Members Involved: John Munoz, Roberto Alvarado-Vázquez

Since 2017, CDM Smith has been the prime firm providing services under the existing strategic and financial planning assistance for alternative contracting methods contract. The firm has developed the IPD Manual and Guidelines; feasibility analysis for bridge bundling and implementation of a new bundling program within IDOT; electric vehicle procurement support; education for counties on their new design-build authority; and feasibility analysis for development options at the South Suburban Airport (SSA) site near Peotone. The following tasks are highlighted:

Bridge Bundling Qualitative and Quantitative Feasibility Analysis

CDM Smith led financial, legal, and other advisors in completing qualitative and quantitative feasibility analysis for a bridge and culvert bundling program. Initiated to address the significant and growing need of structurally deficient bridges and culverts that are near the end of their life expectancy, this feasibility assessment resulted in the Department's first successful foray into bundling, with 57 structures in 14 bundles across the state programmed for delivery in IDOT's Multi-Year Highway Improvement Program. The feasibility analysis included risk analysis, cost estimates, and savings for Design-Bid-Build (DBB), Design-Build (DB), and CMGC delivery approaches. CDM Smith facilitated two workshops, one for industry and one for DBE partners, enabling IDOT to design a bundling program with ample opportunity for community and DBE participation.

SSA Site Development Options Analysis and Request for Qualifications Response

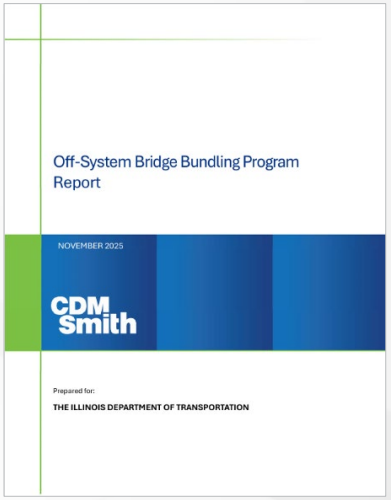
CDM Smith first helped the State of Illinois evaluate the range of possible uses for the Peotone site, a nearly 4,500-acre site originally acquired by IDOT to develop a third airport in the Chicago region. Many years had elapsed since the original master planning for the airport effort. The team initiated a goals development exercise with critical stakeholders and elected officials that identified shared priorities for the site. In addition, high-level legal and financial analysis helped understand the possibilities of what potential development paths could be pursued to develop the land, with particular focus on those that would achieve the primary intent of generating higher quality jobs in Illinois.

Off-System Bridge Bundling

In 2024, IDOT extended its efforts to off-system structures, engaging CDM Smith and partners to develop a parallel program for local bridges. Using a GIS-based screening tool, the CDM Smith team initially identified over 1,700 candidate structures from the Illinois Structure Information System. After county validation, stakeholder engagement, and refinement based on program goals and budget constraints, 180 structures in poor condition were selected and organized into 31 bundles across 49 counties. These bundles will be delivered using DBB, with future evaluation of alternative delivery methods like CMGC and Progressive Design-Build based on Phase I engineering outcomes. Engineering completion and construction funding status was also collected through county surveys to facilitate next steps. The Off-System Structure Bundling Program represents a strategic, collaborative effort to maximize federal funding, streamline delivery, and improve safety and connectivity for communities across Illinois.

Relevant Services

- Financial modeling and strategic planning
- Legislative & regulatory support
- Policy development & bundling program framework
- Stakeholder engagement & outreach
- Reviewed project agreements and supported funding applications
- Alternative delivery review


Off-System Bridge Bundling Program Report

NOVEMBER 2025

CDM Smith

Prepared for:

THE ILLINOIS DEPARTMENT OF TRANSPORTATION

17 FIRM EXPERIENCE:

Firm name	ECM	Past Performance Evaluation Discipline(s)*	CE&I/OV
Project name	Bella Chasse Bridge, P3 Design-Build Project	Firm responsibility (prime or sub?)	Sub
Project number	S.P No. 713-38-001	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Plaquemines Parish, Louisiana	Owner's Project Manager	Nicholas Olivier, Brian Canavier
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70604, 225 379 1133, nicholas.olivier@la.gov		
Services commenced by this firm (mm/yy)	04/20	Total consultant contract cost ($1,000's)	$5,376
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$5,140

Firm Members Involved: **Ujjal Dasgupta, Zachary Collier, Robert Brown, Jules Saunee, Emilio Rodriguez, Kim Martinez**

ECM is serving as the Construction Quality Control Firm (CQCF) for this P3 design-build project to construct a new Mid-Level fixed span bridge that spans over the Intracoastal Waterway on Louisiana Highway 23. ***This $182 million project*** includes the demolition of the existing Judge Perez Bridge and the decommission of the Belle Chasse Tunnel. The new bridge is constructed to current clearance standards for marine vessels as required by the US Coast Guard. ECM's Quality Control team of engineers and LADOTD certified inspectors are responsible for monitoring construction activities, documenting, sampling and testing to ensure compliance with the project's plans and specifications. Our CQQM is the designated point of contact with LADOTD, and their Owner Verification staff. ECM's Quality Control testing and Inspection results are used for Quality Acceptance by LADOTD and their OV representative.

ECM's Quality Control duties include:

- Managing Construction Quality Control activities as per the Construction Quality Management Plan (CQMP), verifying implementation and compliance to it as well as maintenance of the CQMP.
- Evaluating the quality of work performed by contractor, subcontractors, and material quality on the project.
- Verifying that Quality Records attesting to the quality of the Work, as required by the Contract Documents, are prepared, maintained, and stored throughout the term of the contract, and uploaded to the electronic documentation database, along with DOTD's Site manager, Site manager Materials, and Headlight platforms.
- Performing source evaluations and approval of material suppliers in accordance with the contract documents
- Performing independent inspection of work to verify and document that development work has been constructed in conformance with the requirements and released for construction documentation that will lead to final closeout
- Verifying qualified QC personnel perform all QC testing required as per the Construction Quality Acceptance Plan.
- Preparing and issuing **Nonconformance Reports (NCR),** transmitting to Design-Builder & LADOTD
- Maintaining hard copies of all records and documentation, uploading all records to electronic DOTD's QA documentation database
- Approving Test Results transmitted from private lab by the CQAM
- Providing testing data to LADOTD for statistical analysis
- Entering all QC material test data into QC documentation databases including Site manager, Site manager Materials, and Headlight platforms.
- Reviewing LADOTD plant QC inspection records and verifying that test equipment is properly maintained.
- Preparing "As-Built" plans, final estimate packages including Form 2059 and submitting to LADOTD

17 FIRM EXPERIENCE:

Firm name	NTBA	Past Performance Evaluation Discipline(s)*	Survey, Other (SUE), Right-of-Way
Project name	Jimmie Davis Bridge (LA 511) Design-Build	Firm responsibility (prime or sub?)	Sub
Project number	H.001779	Owner's name	Louisiana Department of Transportation and Development
Project location	Bossier and Caddo Parishes, Louisiana	Owner's Project Manager	Thomas Gattle, III, PE
Owner's address, phone, email	922 West Pont Des Mouton Road, Lafayette, Louisiana 70507, 337 234 3798, tgattle@huvalassoc.com		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$1,140
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm ($1,000's)	$1,140

Firm Members Involved: Mike King, Bryan Bunch, Amy Schulze, Daniel Brooks, Belton Davis, Patrick Staiano, William Offer, Emily Kliewer, Will Wales, Captayn Chapman, Jeff Melville

NTBA performs Static GPS control, topographic utilizing HDS 3D Terrestrial Laser Scanning methods of data collection and property surveying services, traffic control, utility coordination services, QL A, B, C, & D utility designating/locating, as well as preparing title takeoffs, 60% Right-of-Way Maps, Final Right-of-Way Maps, and legal descriptions for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four lane structure carrying LA 511 across the Red River, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. NTBA designed and implemented a Traffic Control Plan for a bridge closure to verify the horizontal and vertical control set by LADOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. All of this was completed during night shifts to confirm the safety of employees and the public as well as to avoid traffic disruptions.

NTBA performed property surveys and title take-offs for approximately 50 properties adjacent to the route and a property survey submittal prepared with apparent right-of-way shown. Final Mylar Right-of-Way Maps have been submitted for 21 parcels requiring right-of-way taking. The set included 21 plan and 1 title sheet.

NTBA performed SUE services to designate all utilities within the project limits. A conflict matrix was created showing the utilities in conflict with the construction. We are coordinating with the utility owners to relocate utilities that conflict with the construction and will monitor the relocation to verify compliance with relocation plans. NTBA is utilizing the Louisiana Department of Transportation Survey and Design Manual Addendum A as well as CI/ASCE Standard 38-02.

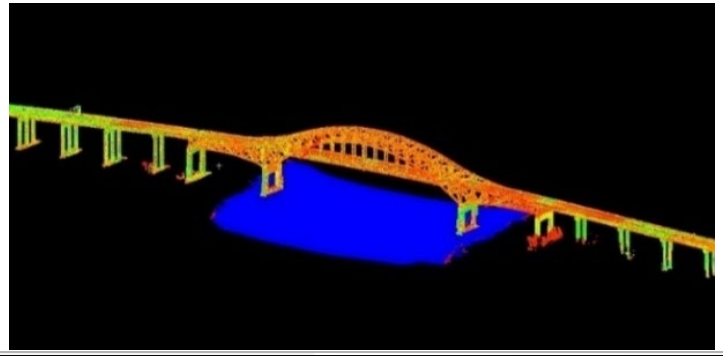
17 FIRM EXPERIENCE:

Firm name	NTBA	Past Performance Evaluation Discipline(s)*	Survey and Other (SUE)
Project name	LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI)	Firm responsibility (prime or sub?)	Prime
Project number	4400017713	Owner's name	Louisiana Department of Transportation and Development (LADOTD) Baton Rouge
Project location	Orleans Parish, Louisiana	Owner's Project Manager	Barrett Smith, PLS
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, Louisiana 70802, 225 379 1133		
Services commenced by this firm (mm/yy)	12/20	Total consultant contract cost ($1,000's)	$588
Services completed by this firm (mm/yy)	03/22	Cost of consultant services provided by this firm ($1,000's)	$588

Firm Members Involved: **Bryan Bunch, Mike King, Amy Schulze, Will Wales, Belton Davis, William Offer, Captayn Chapman, Jeremy Reppond**

The LA 47: IWGO Bridge Rehabilitation Project is 6,622 feet long Historic Bridge Improvement (HBI) project connecting New Orleans East and Chalmette across the Intercoastal Waterway Gulf Outlet (IWGO) in Orleans Parish. The "Preservation Priority" bridge consists of concrete slab spans, pre-stressed girder spans, welded steel plate girder spans, and tied-arch girder truss spans. NTBA's services on the project entailed installation of six deep rod monuments, topographic surveys, establishing a Static GPS Control Network, HDS 3D Terrestrial LiDAR Laser Scanning, development of surface models from LiDAR data, hydrographic surveying, and QL C, and D Subsurface Utility Engineering Services. NTBA performed a multibeam hydrographic survey of the bridge structure piers to determine scour impact for the bridge repair/rehabilitation. NTBA also performed a 3D LiDAR scan of the bridge during different seasons to see the effects the temperature had on the movement of the bridge. From the LiDAR data collected, NTBA developed surface models to provide drawings of specified piers, joint, and truss locations at four separate times as deliverables. NTBA worked with TRC during the design and planning process for the rehabilitation of various bridge components.

NTBA also provided traffic control coordination for a complete closure of the bridge from Friday at 8pm until Monday at 5am on four separate occasions to complete the project on time, within budget and with minimal disruption to the public and local businesses. This location of LA 47 provides a much-needed connection between Chalmette and New Orleans East. The aging bridge acts as both an artery for commerce, as well as a local road for the public, businesses, and industry as well as the US Coast Guard Base New Orleans and the NASA Michoud Assembly Facility. NTBA successfully resolved the challenge of accessing and capturing the features and locations of the project's physical infrastructure. Hydrographic surveying and 3D Laser Scanning were combined to obtain information on the LA 47 bridge structure located across the Intercoastal Waterway Guld Outlet. All services were completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.



Firm name	LAZENBY & ASSOCIATES, INC.	Past Performance Evaluation Discipline(s)*	Road, Survey
Project name	Kansas Lane – Garrett Road Connector and I-20 Improvements	Firm responsibility (prime or sub?)	Prime
Project number	S.P.N. H.007300	Owner's name	Louisiana Department of Transportation and Development
Project location	Ouachita Parish	Owner's Project Manager	Catherine Mastin, P.E.
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, Louisiana 70804-9245, 225 379 1652		
Services commenced by this firm (mm/yy)	09/17	Total consultant contract cost ($1,000's)	$2,997.4
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,436.3

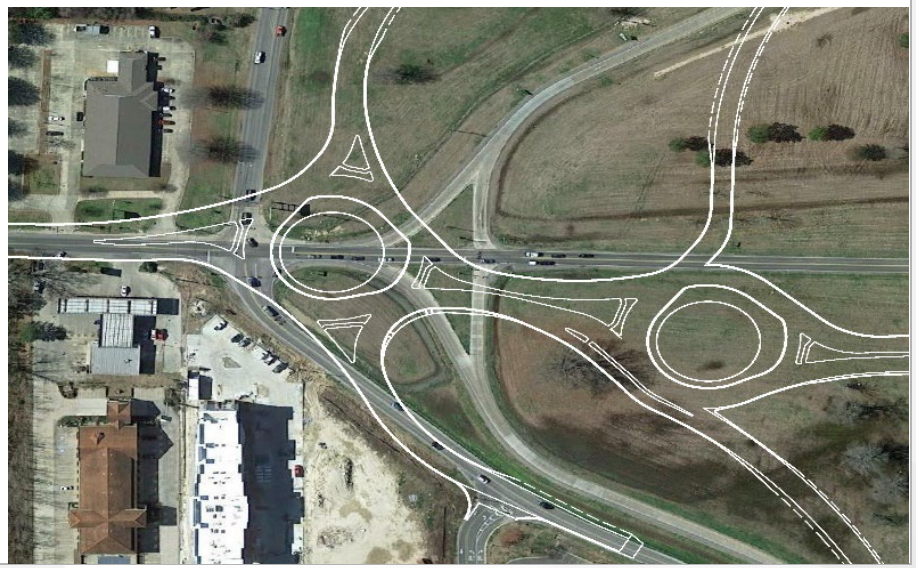
Firm Members Involved: Jerry Lazenby, Paul Fryer, Ronald Riggin, James. Spillers, James Ellingburg, Randy Hammons, Hagan Lawrence, Noah Sampognaro, Blaine Holloway

Prime consultant on this project, which involves widening Garrett Road to four lanes in the vicinity of the I-20/Garrett Road interchange and constructing a roadway and bridge over LA 594 and the KCS Railway to connect Garrett Road to Kansas Lane in Monroe. The project also includes a new Garrett Road overpass over I-20, five (5) multi-lane roundabouts, geometric modifications to the existing interstate ramps, subsurface drainage, lighting, an MSE wall, and a traffic signal.

Lazenby & Associates performed topographic surveying services on this project, significantly extending the limits of the initial LDOTD topographic survey, prepared preliminary and final roadway plans. As the prime consultant, Lazenby & Associates also coordinated geotechnical engineering services, the development of bridge plans, the development of lighting plans, and the development of signalization plans and traffic management plans (Level 4 TMP) by other firms retained as sub-consultants. Major design components performed by Lazenby & Associates include road design, hydraulic analysis and design, geometric design, signing and striping plans, sequence of construction, property surveys, and right-of-way maps.

One major challenge is to construct the project while maintaining traffic as much as possible. With this in mind, geometric design of the project, and specifically geometric design of the five (5) multi-lane roundabouts and development of proposed finished roadway grades, presented significant challenges. This resulted in a complicated suggested sequence of construction that consists of five (5) phases.

Lazenby & Associates also assisted in the environmental clearance process, preparing exhibits for and assisting with the public meetings and preparing permit drawings, and developed technical special provisions for non-standard pay items.



17 FIRM EXPERIENCE:

Firm name	EUSTIS ENGINEERING L.L.C. SINCE 1946	Past Performance Evaluation Discipline(s)*	Geotech
Project name	I-10 and I-12 College Drive Flyover Ramp Design-Build Project	Firm responsibility (prime or sub?)	Sub
Project number	H.013897	Owner's name	LaDOTD Through Boh-G.E.C., Inc. Design-Build Team
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Sherri LeBas, P.E.
Owner's address, phone, email	8282 Goodwood Boulevard, Baton Rouge, Louisiana, 225 612 4107, slebas@gecinc.com		
Services commenced by this firm (mm/yy)	03/25	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	06/25	Cost of consultant services provided by this firm ($1,000's)	$635.7

Firm Members Involved: **Matthew Morales, Gwendolyn Sanders, and Patrick Thurmond**

This project included a variety of interchange improvements to I-10 West and College Drive including a flyover ramp exit to College Drive in advance of the I-10 and I-12 West merge; a modified exit from I-12 West to College Drive; and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange. Eustis Engineering L.L.C. was part of the design-build team participating in all aspects of this project.

Eustis Engineering L.L.C. completed an exploration of the site to supplement available data comprising ten undisturbed borings, eight cone penetration tests, and fourteen auger or direct push borings. Coordination of traffic control, permitting and safe execution of this exploration in this active and congested interstate corridor were completed by our team. Soil mechanics laboratory tests performed in our accredited laboratory on collected samples consisted of natural water content, unit weight, one-point unconsolidated undrained triaxial compression shear, Atterberg liquid limits and plastic limits, grain size sieve analyses, hydrometer analyses, and one-dimensional consolidation tests. These data were published in a GEOT-01 Geotechnical Exploration Data Report that was reviewed by the State of Louisiana, Department of Transportation and Development (LaDOTD) to confirm compliance with their design requirements.

The design services included developing separate geotechnical design reports for each of seven major project features, specifically a sound barrier/noise-wall; the roadway (mainline and exit ramps); the Ward Creek Bridge widening; the I-10 Westbound Bridge over I-12, including driven piles and drilled shafts; retaining and/or Mechanically Stabilized Earth (MSE) walls at modified bridge abutments; box culverts or flumes for site drainage; high mast lighting, Intelligent Transportation Systems (ITS); and other miscellaneous features. GEOT-09 is the design report for the roadway. This report included evaluation of temporary and permanent asphaltic concrete pavements as well as temporary and permanent Portland Cement Concrete pavements. The LaDOTD provided reviews of draft and final reports and verified design standards were met. We also participated in weekly progress meetings with the project design team and with the project stakeholders. Design review meetings were conducted as part of the quality review process. Our services during construction included observation or performance of testing, including dynamic pile testing.

Relevant Services

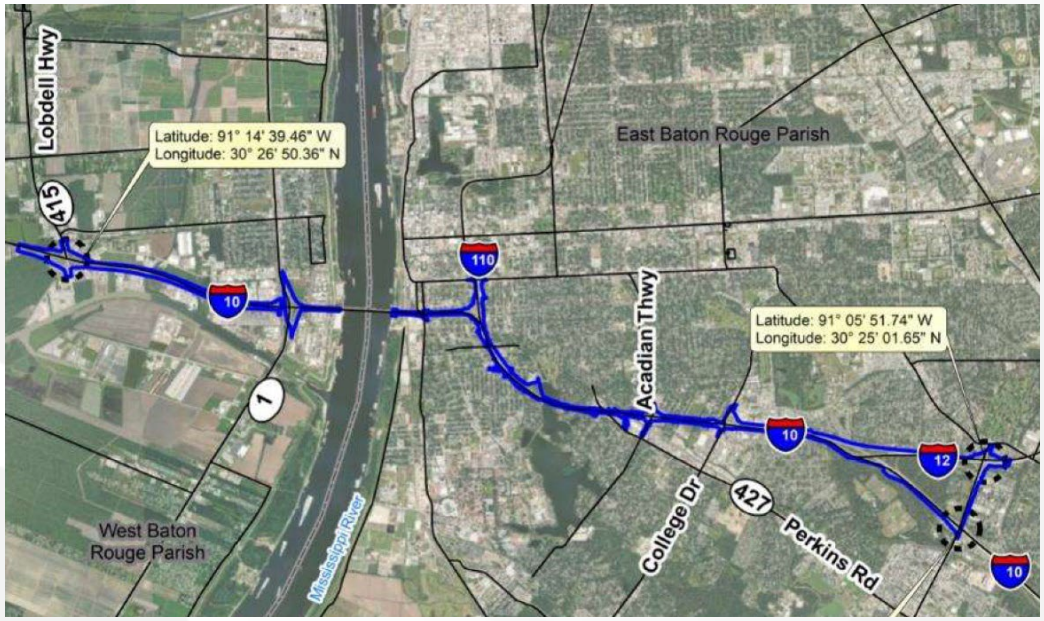
- Geotechnical Exploration in Highly Active Traffic Corridor
- DOTD and AASHTO Standards
- Geotechnical Data Report
- Multiple Geotechnical Interpretation Reports
- Partnering Meeting Participant
- Dynamic Pile Testing and Interpretation
- Roadway and Bridge Design

17 FIRM EXPERIENCE:

Firm name	Ardaman & Associates, Inc.	Past Performance Evaluation Discipline(s)*	Geotech
Project name	I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)	Firm responsibility (prime or sub?)	Sub
Project number	SP No. H.004100.5	Owner's name	Louisiana Department of Transpoartation and Development
Project location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd, RM 602-L, Baton Rouge, LA 70802; 225 379 1331		
Services commenced by this firm (mm/yy)	07/21	Total consultant contract cost ($1,000's)	$20,800
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$692

Firm Members Involved: **Robert Jewell, Megan Bourgeois, Ross McGillivray, Jarmon King, Robert Rousset, Jessica Litt, Casey Floyd, Chae Hrenyk**

The Construction Management at Risk (CMAR) project scope consists of widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 mile. Ardaman is the Geotechnical Consultant on the CMAR team and is currently providing geotechnical support for Segment 1 which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to Acadian Thruway entrance and exit ramps.



Ardaman previously completed 58 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed geophysical surveys along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing 37 additional soil borings along the Segment 1 area to supplement existing data along the alignment.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile and analyze all the supplied soil boring data provide by LADOTD and the additional borings that are currently being performed. The engineering analyses consist of detailed selection of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, and load testing recommendations. A preliminary geotechnical assessment report was prepared, and a final geotechnical design report will be submitted.

17 FIRM EXPERIENCE:

Firm name	Marmillion/Gray Media	Past Performance Evaluation Discipline(s)*	Other – Public Outreach
Project name	Update Statewide Transportation Plan	Firm responsibility (prime or sub?)	Sub
Project number	4400021094	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Statewide	Owner's Project Manager	Dawn Sholmire
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, Louisiana 70802, 225 242 4570, Dawn.sholmire@la.gov		
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	07/25	Cost of consultant services provided by this firm ($1,000's)	$84,000

Firm Members Involved: Rannah Gray, Lisa Noble, and Sarah Powell

Marmillion/Gray Media served on the public engagement team for the update of the statewide transportation plan, responsible for developing the brand to be used on all outreach and promotional materials and researching and organizing a schedule of outreach opportunities throughout the state to gather public input and promote a survey and planning process. We assisted with writing the public engagement plan and website content and provided support to the prime consultant in planning the visioning workshop for stakeholders from throughout the state. Following the visioning workshop, we coordinated outreach to advisory councils that represented various transportation modes, to build participation for online meetings. We promoted the survey throughout the state, assuring input from all 64 parishes.

LOUISIANA STATEWIDE TRANSPORTATION PLAN

LOUISIANA AVIATION SYSTEM PLAN

LOUISIANA STATE FREIGHT PLAN

LOUISIANA STATE RAIL PLAN

Our firm developed the brand for the Statewide Transportation Plan that included website graphics, outreach materials, PowerPoint presentation templates and separate logos for Rail, Freight and Aviation System Plans.

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

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Marmillion Gray Media, Inc. brings over 30 years of proven success delivering strategic public involvement for Louisiana's most complex infrastructure initiatives, leveraging deep relationships with elected officials, MPOs, and key stakeholders to build consensus and drive project advancement. The firm has led high-profile efforts such as MOVEBR, TramLinkBR, and MOVE 2046, combining targeted outreach, advisory engagement, and cohesive project branding to elevate awareness and secure meaningful public input. Through data-driven campaigns and innovative engagement—including efforts that achieved measurable outcomes like a 32% reduction in bicycle crashes—the team delivers impactful, results-oriented communications that strengthen community support and reduce project risk.

LOUISIANA STATEWIDE TRANSPORTATION PLAN

Stronger Together.
Delivering More.

Critical Projects IDIQ - Approach and Methodology

Arcadis has assembled a multidisciplinary team with the organization, staffing depth, and technical redundancy to support statewide Critical Projects and manage multiple, concurrent task orders while maintaining schedule control, technical quality, and responsiveness to DOTD. ***Our team structure combines Arcadis' program and delivery leadership with specialized Louisiana-based and national resources*** across planning, environmental, traffic, survey, SUE, geotechnical, roadway, bridge, construction support, public engagement and communication, and other Critical Project services. With the Arcadis Team, DOTD can quickly access the right expertise for both specialized assignments and comprehensive project delivery. Our approach is grounded in experience supporting complex transportation projects for DOTD through accelerated schedules and technically demanding delivery. This combination of team capacity, staff experience, firm experience, and disciplined management positions the Arcadis Team to deliver the responsive, high-quality support DOTD requires for its most important projects.

1. Project Management and Support

Within 10 working days of NTP, we will arrange and conduct a kick-off meeting with DOTD to present a draft schedule, review milestones and durations, project assumptions, invoicing procedures, progress reporting, and public involvement. Within two (2) weeks of the kick-off meeting we will present a ***Project Management Plan (PMP)*** that outlines: 1) a detailed scope and deliverables; 2) schedule with milestones and critical paths; 3) roles, responsibilities, and organization chart; 4) communication protocols and escalation ladder; 5) risk register and mitigation plan; 6) QA/QC checkpoints; and 7) budget tracking and reporting. A PMP will be developed for each Task Order and updated as needed throughout the project. This Task Order-level structure is supported by contract-level management procedures to monitor staffing, workload, schedule, and deliverable status across multiple active Task Orders. We will use collaborative platforms such as ProjectWise and SharePoint for document control and to maintain routine status reporting.

To manage concurrent task orders, we will apply a ***tiered delivery structure*** consisting of a contract manager, task order managers, and discipline leads assigned based on the specific scope and urgency of each assignment. As illustrated in our org chart, project sheets, and resumes, we have built a team of experienced professionals across multiple firms with built-in staff redundancy and the express intent of delivering up to six (6) Task Orders concurrently.

Owner Support:

The Arcadis Team is prepared to serve DOTD in an owner-support role by managing, coordinating, and reviewing work performed by other consultants. In this capacity, we can support project scoping, consultant coordination, schedule tracking, document control, and technical reviews. ***Arcadis provides similar owner support for other State DOTs*** in which we manage consultant-delivered work, coordinate technical reviews, and help maintain quality, consistency, and timely advancement of priority assignments. This experience allows us to function as a reliable extension of DOTD staff when management of outside consultant teams is needed.

Value Engineering and Cost/Schedule Risk Assessment:

Our approach focuses on identifying major cost, schedule, constructability, phasing, utility, right-of-way, permitting, and procurement risks; evaluating practical alternatives; and documenting recommendations. We bring experienced subject matter experts to each effort, so evaluations are grounded in technical feasibility and delivery realities. Our goals are to improve scope definition, confirm project readiness, test assumptions, and reduce risk on accelerated or high-profile projects.

Grant Support & Agreements:

Our team supports the full grant lifecycle, beginning with continuous monitoring of discretionary and formula funding opportunities and early evaluation of project readiness, funding fit, schedule, and delivery risks. For each assignment, we identify candidate programs, assess eligibility and competitiveness, develop a grant strategy and application matrix, and help prioritize the strongest opportunities to pursue. We can assist with narrative development, data collection, benefit-cost analysis, preliminary technical support, project readiness, schedule and budget validation, and

coordination of supporting materials. When needed, we will support stakeholder and agency coordination, develop letters of support and advocacy materials, and maintain regular coordination with DOTD throughout application development. In parallel, we assist DOTD in drafting, reviewing, and negotiating project agreements, MOUs, cooperative agreements, and other implementation documents to establish clear roles, responsibilities, funding commitments, and decision-making procedures.

Initial Financial Plans:

We will develop initial financial plans for major projects by identifying funding sources, establishing preliminary costs, and evaluating how project scope, schedule, phasing, procurement approach, and revenue opportunities affect financial feasibility. ***Our team will develop planning-level financial frameworks that integrate capital costs, delivery timing, funding availability, and potential reimbursement or grant considerations***. When appropriate, we will coordinate these efforts with tolling, grant support, alternative delivery, and risk assessment to provide comprehensive decision-making support.

2. Quality Control Reviews and Peer Reviews

We apply a structured QA/QC process to every deliverable before it is submitted to DOTD, whether the work is prepared by Arcadis, our subconsultants, or a third-party consultant. At each milestone, our review process confirms that submittals are complete, technically accurate, and coordinated across all disciplines. The following steps define our QA/QC process:

- ***Initial completeness check of each submittal package.***
- ***Discipline-led review of deliverables.***
- ***Interdisciplinary coordination reviews.***
- ***Independent peer review of submittals.***
- ***Document control review.***

Review comments, responses, and final resolutions are tracked in a master comment matrix and maintained as part of the QA/QC record for each deliverable and milestone submittal. Prior to DOTD submittal, we confirm that reviews have been completed, comments have been addressed or resolved, and updated files have been properly versioned and uploaded.

3. Environmental and Permitting Services

NEPA Support:

The Arcadis Team provides the full suite of services to secure environmental approvals, reevaluations, and permits to support Critical Projects. We support NEPA compliance and related environmental regulations through early screening, scoping, technical studies, agency coordination, and preparation or review of environmental documents including Categorical Exclusions, Environmental Assessments, Environmental Impact Statements, and NEPA Re-Evaluations. We approach each Task Order by identifying environmental constraints early, confirming NEPA class of action and required specialty support, and coordinating with DOTD, FHWA, and resource agencies so environmental considerations are integrated into project delivery.

Permitting:

The Arcadis Team will develop permit applications, drawings, and mitigation plans needed to advance agency authorizations and reduce regulatory risk on accelerated schedules. Depending on project needs, this may include U.S. Army Corps of Engineers Section 10/404 permits and Section 408 approvals, Louisiana Coastal Use Permits, U.S. Coast Guard Section 9 bridge permits, and State Section 401 Water Quality Certifications. ***Our team works proactively with DOTD and permitting agencies to define approval pathways, identify data needs, sequence submittals with design development, and resolve issues early***. For alternative delivery projects we collaborate with the contractor/developer and permitting agencies to ensure design and construction impacts are fully reflected in permit applications. This approach reduces permitting risk during construction and streamlines agency approvals.

Mitigation Compliance:

We will support mitigation compliance by identifying commitments established during the Stage 1 environmental process and carrying them forward into technical provisions, design plans, and permit conditions. Our approach includes tracking commitments, coordinating with design to incorporate avoidance and minimization measures, and assisting with

compliance monitoring so environmental obligations remain visible and actionable throughout the life of a project.

Material Sampling and Testing:

The Arcadis Team performs material sampling and testing to support environmental compliance and risk management, including air monitoring, groundwater sampling, soil testing, and bridge coating or hazardous materials-related evaluations. These services are scoped to the needs of the Task Order and support environmental approval, design and construction planning, and compliance documentation. By integrating specialty testing with environmental review and design coordination, we identify issues early and reduce uncertainty on critical assignments.

4. Traffic Engineering and Design Services

Traffic Data and Analysis:

Arcadis performs traffic engineering analyses in accordance with LADOTD's Traffic Engineering Process and Report (TEPR) and applies the level of data collection and analysis needed to support each Task Order's purpose, complexity, and decision points. We begin by defining the project impact area, confirming available data and assumptions, and identifying any additional data collection or future-year scenarios needed to accurately evaluate alternatives. Our team is proficient in a wide range of traffic analysis tools including HCS, Vissim, Synchro, SIDRA, and SimTraffic, and we recommend the appropriate tool based on network complexity and the level of operational detail required.

Modeling & Reports:

Our team develops traffic models, operational analyses, safety evaluations, and supporting reports that compare alternatives, document measures of effectiveness, and make informed decisions on geometry, access, interchange configurations, staging, and corridor operations. We prepare TEPR documentation, operational and safety studies, Access Justification Reports, and other technical memoranda needed to support DOTD review and agency coordination. We utilize crash data and available safety information to identify trends, hotspots, and risk factors within the study area. ***The Arcadis Team presents findings through clear technical summaries, graphics, and dashboards that improve decision-making and communication.***

TMP & Public Safety:

We develop Transportation Management Plans (TMPs) that emphasize safety, mobility, and continuity of access during construction. Our approach begins by identifying the project impact area, key user groups, access needs, and operational risks so traffic control, staging, detour concepts, and construction phasing are scaled to project complexity and level of disruption. These efforts are coordinated closely with roadway, bridge, and construction teams so maintenance of traffic concepts, queue management, incident response, emergency access, and stakeholder communications are aligned. We support our TMPs with traffic and safety analyses and crash trend review to evaluate work zone impacts***. Our focus is to minimize user delay, maintain access for the public and emergency services, and reduce operational risk*** during phased construction.

Signal, Signing, and Marking Design:

We prepare permanent and temporary traffic signal, signing, pavement marking, and intersection control plans that are coordinated with traffic analyses, roadway geometry, maintenance of traffic, access management, and staging. Our approach considers operational needs, safety performance, phasing, and driver expectancy so traffic control devices and layouts provide clear, consistent guidance through both interim and final conditions. These designs are developed to support constructability, implementation, and compliance with traffic control requirements.

5. Surveying Services

Our survey team led by ***Lazenby and NTBA*** provides topographic, boundary, and right-of-way survey services in accordance with LADOTD standards and deliverable requirements. We establish project control using GPS, RTK, conventional traverse, and benchmarks as needed, then collect field data using conventional methods and, where appropriate, terrestrial, mobile, or aerial LiDAR. Our team also supports property research, title take-offs, monument recovery, and right-of-way mapping to define parcel impacts and acquisition needs. Field data is processed into DOTD-compatible basemaps, terrain models, drainage mapping, right-of-way maps, parcel files, and related electronic deliverables. We apply structured QA/QC to verify control, coding, CAD

conformance, surface accuracy, and consistency between maps and legal descriptions before submission.

6. SUE & Utility Relocations

We begin by defining the level of utility certainty needed to support project decisions, then sequencing utility investigations to match the project phase, schedule, and risk. This allows DOTD to use utility information as an active decision-making tool for alignment refinement, phasing, constructability, right-of-way planning, and risk reduction. We coordinate with utility owners, right-of-way staff, and other stakeholders to identify conflicts early and advance practical solutions that keep Task Orders moving. Our team prepares and maintains utility conflict matrices, supports relocation planning and sequencing, identifies agreement and right-of-way needs, and integrates utility work with project schedules to manage risk across multiple active assignments. ***With NTBA providing dedicated Louisiana SUE capability and direct coordination with the design team, we provide a responsive utility support structure*** that can scale for concurrent Task Orders, reduce late-stage surprises, and improve readiness for design advancement, letting, and construction.

7. Geotechnical Engineering

Field Investigations:

Our geotechnical team led by ***Ardaman and Eustis*** provides geotechnical engineering support for roadway, bridge, and other transportation improvements through targeted subsurface investigations, laboratory testing, engineering evaluation, and construction. We align each exploration program with project risks, foundation demands, access constraints, and milestone priorities so ***DOTD receives the subsurface information needed to make timely decisions and advance design***. Our work may include borings, CPT soundings, groundwater observations, and other investigations needed to evaluate bridge foundations, embankments, pavements, retaining structures, culverts, slope stability, and settlement. Throughout the process, we consider constructability, field access, and likely permitting or maintenance of traffic constraints so recommendations remain practical, coordinated, and responsive to DOTD delivery needs.

Laboratory Testing and Analyses

Our geotechnical recommendations are grounded in quality-controlled field and laboratory data, processed efficiently to support DOTD review, documentation, and decision-making. Depending on the Task Order, testing may include soil classification, strength, consolidation, moisture, pH, resistivity, and other specialized analyses needed to evaluate challenging Louisiana subsurface conditions. Based on testing results, the Arcadis Team develops practical recommendations for shallow and deep foundations, embankments, retaining systems, culverts, settlement mitigation, and other geotechnical design needs. When warranted, we apply specialized tools such as CPT-based evaluation, field resistivity interpretation, and load test support to strengthen technical confidence.

Construction Support

The Arcadis Team provides geotechnical support through final design and construction, including field verification, instrumentation, foundation review, and timely interpretation of changing site conditions so DOTD can respond quickly when field conditions affect design assumptions or construction decisions. ***We structure geotechnical work around the most schedule-sensitive decisions so DOTD can advance bridge, embankment, utility, and staging elements*** without waiting on a single final package. This combination of Louisiana geotechnical experience, responsive field and laboratory support, and staffing depth from ***Eustis and Ardaman*** strengthens the Arcadis Team's ability to support multiple concurrent Task Orders, reduce redesign risk, and support timely project delivery.

8. Roadway Design & Hydraulic Engineering

Roadway Design

Arcadis, Stanley, and Lazenby bring roadway design depth and staffing flexibility DOTD needs to advance multiple Critical Project assignments concurrently. Our team aligns each Task Order with DOTD's milestone process from kickoff through final plans, confirming submittal expectations, package content, and review priorities early so work advances efficiently. We begin with a focused review of existing plans, survey data, traffic analyses, utilities, and field conditions to identify constraints such as right-of-way limits, geometric issues, drainage tie-ins, environmental commitments, and operational concerns before they affect

downstream design. This early coordination strengthens milestone readiness, reduces redesign risk, and supports efficient DOTD review.

Roadway geometry is developed in accordance with DOTD criteria and applicable guidance, with AASHTO references used as needed to address geometrics, roadside safety, and related issues. ***The Arcadis Team applies Performance Based Practical Design where appropriate to deliver practical, context-sensitive solutions*** that help DOTD manage cost, scope, and schedule. When constrained conditions require deviation from typical criteria, we support DOTD through the design exception process with clear engineering justification. Maintenance of traffic, constructability, and corridor coordination are integrated from the outset so staging constraints are reflected in profiles, typical sections, intersection layouts, and drainage tie-ins.

Quantities, cost estimates, and pay items are developed alongside design and coordinated closely with drainage, utilities, and structures so grading, profile control, and right-of-way impacts remain consistent across the corridor. Structured internal QA/QC at each milestone ensures roadway deliverables are complete, constructible, and aligned with DOTD expectations before submission, reducing review cycles and supporting efficient advancement through design.

Drainage And Hydraulic Engineering

Our integrated team develops drainage and hydraulic solutions that comply with DOTD standards, FEMA requirements, and applicable environmental regulations while supporting safe, resilient transportation infrastructure. Hydrologic and hydraulic analysis begins early to define drainage areas, runoff conditions, flood risk, and system constraints that may affect roadway profiles, crossing sizes, and right-of-way needs. Using methods consistent with DOTD hydraulic guidance, the Arcadis Team evaluates roadside ditches, cross drains, storm sewer systems, and bridge hydraulics in coordination with roadway geometry so positive drainage, system capacity, and corridor constructability are addressed together.

We evaluate inlet and outlet control, tailwater effects, backwater conditions, and other hydraulic factors needed to confirm adequate system capacity during design storm events. Where required, ***detailed modeling such as HEC-RAS is performed to support FEMA compliance***, floodplain evaluation, and permit approvals. Drainage design is developed in step with roadway geometry to prevent localized ponding, optimize pipe sizing and inlet placement, and reduce conflicts among grading, hydraulic capacity, and structural requirements.

9. Bridge Design

Concept & Design:

The Arcadis Team develops bridge concepts and designs that are technically sound, constructible, and aligned with DOTD priorities. Working closely with roadway, geotechnical, hydraulic, traffic, utility, and construction, we define structure types, layouts, staging strategies, and key design assumptions early so critical issues are resolved before they affect downstream milestones. Our bridge team supports the full range of structural assignments under this contract, including bridge design, bridge hydraulics, scour analysis, box culvert design, retaining walls, median barriers, overhead sign structures, highway safety hardware, and other ancillary structural elements needed to advance DOTD projects. All structural designs and analyses are developed in accordance with applicable DOTD bridge criteria, LRFD requirements, and relevant AASHTO guidance, with solutions tailored to the specific bridge type, site conditions, and delivery needs. ***With integrated resources across Arcadis, Modjeski and Masters, Stanley, and ECM, DOTD gains the technical depth and staffing flexibility needed to advance routine and complex bridge assignments*** on accelerated schedules while maintaining continuity of design leadership and quality control.

Inspection & Load Rating:

The Arcadis Team provides bridge inspection, engineering evaluation, structural analysis, and load rating services that support DOTD decisions on repair, rehabilitation, replacement, load posting, and continued service. Our approach combines pre-inspection planning, review of prior reports and access information, field coordination, and clear communication before, during, and after site work so assignments advance efficiently and findings are quickly applied. For each assignment, we develop a work plan identifying inspection type, access needs, safety requirements, technical challenges, staffing, and equipment. For analysis and load rating, we follow applicable DOTD manuals and procedures,

develop structural models suited to the bridge type and level of complexity, and apply refined analysis to support defensible recommendations on time-sensitive assignments. This experience extends across a wide range of bridge types and structural conditions, allowing the Arcadis Team to evaluate existing structures, support rehabilitation planning, and develop practical solutions that align with DOTD standards and project delivery constraints.

Movable Structures:

For movable bridges and other specialized structures, the Arcadis Team brings integrated structural, mechanical, electrical, and operational expertise that extends beyond conventional bridge design. We support inspection, rehabilitation, repair, retrofit, and design services while coordinating with DOTD to address reliability, maintainability, navigation, traffic operations, phased construction, and urgent response needs. ***Through the combined capabilities of Arcadis, Modjeski and Masters, Stanley, and ECM, DOTD can access experienced bridge professionals for both routine and highly specialized assignments*** under a single IDIQ team.

10. Plan Development & Letting Support

Plan Development:

The Arcadis Team prepares coordinated plans, quantities, estimates, calculations, and supporting documentation in accordance with current DOTD design standards and disciplined internal production for each milestone package. At the outset of each Task Order, we coordinate with DOTD to confirm schedule and delivery expectations, then establish submittal stages, communication protocols, and document control procedures so plan development advances in a structured and transparent manner. Our approach aligns with DOTD's preliminary and final plan progression and supports acceleration by tailoring milestone content to project complexity and decision needs.

Letting Support:

The Arcadis Team will support DOTD through plan-in-hand meetings, milestone reviews, comment resolution, bidder inquiry responses, and contract document updates so assignments move efficiently from design to procurement. ***We schedule, conduct, and participate in required plan review meetings at key stages of plan development***, providing structured opportunities to address technical questions, constructability considerations, and scope refinements before final advertisement. During letting, we support addenda development, participate in pre-bid conferences, and provide timely responses to bidder questions. Comments are tracked to closure, revisions are incorporated in a controlled manner, and pre-letting changes are advanced promptly so final packages remain consistent, responsive, and ready for advertisement.

11. Construction Support Services

Constructability Reviews:

Our constructability reviews are performed at key milestones to identify issues that could affect staging, traffic operations, access, utility sequencing, maintenance of traffic, safety, long-term maintenance, and overall project delivery. ***We bring design, construction, operations, and maintenance perspectives into the review process,*** so recommendations are practical and aligned with DOTD needs. Reviews are documented clearly, coordinated across disciplines, and focused on identifying actions that improve bid-readiness, reduce field conflicts, and support successful construction delivery.

Construction Phase Support:

During construction, our team will serve as an extension of DOTD staff by providing timely technical reviews and engineering support. Services will include construction drawing reviews, responses to Requests for Information (RFIs), evaluation of contractor-generated proposals and value engineering recommendations, review of Non-Conformance Reports (NCRs), and preparation of revised contract documents when required. The Arcadis Team will coordinate closely with DOTD project managers, contractors, and stakeholders to ensure issues are resolved quickly, minimizing schedule impacts and maintaining project progress. ***Our performance approach is built on serving as the eyes and ears of DOTD while maintaining strict control over quality, schedule, cost, and safety***. Through proactive communication, experienced personnel, and disciplined quality management, we will provide DOTD with reliable

engineering support that enhances project delivery and successful execution of Critical Projects.

12. Other Services

Alternative Delivery Technical Services

Method Selection: The Arcadis Team provides alternative delivery technical services to support DOTD in evaluating the most suitable delivery method for each project, including Design-Build, Progressive-Design-Build, CMAR, and P3. We apply a structured screening process that considers risk allocation, schedule urgency, funding constraints, project complexity, market conditions, and the design stage needed at procurement. This process helps DOTD select a delivery strategy that aligns project goals while balancing flexibility, owner control, innovation, and schedule objectives.

Procurement Support: We will prepare RFQ and RFP materials, technical provisions, performance specifications, evaluation criteria, and draft contract requirements tailored to the selected delivery method. Our process includes development of clear, biddable scopes; coordination of technical inputs across disciplines; and support for review of proposer questions and Alternative Technical Concepts (ATCs) for constructability, innovation, risk, and value.

Implementation: The Arcadis Team provides technical support during proposal evaluation, scoring, negotiations, and debriefs. Once awarded, we support contract execution and early contractor involvement, then continue in an owner's verification or technical advisory role during design and construction. In this capacity, we review design packages, calculations, specifications, schedules, cost information, and contractor submittals for consistency with project objectives and procurement commitments. We also track comment resolution and support risk management, change evaluation, and issue escalation. We assist DOTD with design reviews, construction-phase coordination, submittal oversight, and RFIs so the work continues to advance in an organized and transparent manner.

Tolling:

The Arcadis Team, with ***CDM Smith*** as our tolling partner, provides tolling support spanning planning, design, integration, implementation, and operational advisory services for projects where tolling may advance delivery, improve revenue performance, or support broader financial strategies. Our approach begins by confirming project purpose, user base, operating environment, interoperability needs, and funding objectives to define the level of toll planning and technical support appropriate to the assignment. Services may include tolling feasibility and traffic and revenue support; all-electronic tolling and open-road tolling planning; toll system design; procurement and implementation support; and technical advisory services related to toll operations, maintenance, and lifecycle improvements. For assignments involving procurement or alternative delivery, ***the Arcadis Team can serve in an owner-support role by reviewing and comparing tolling studies prepared by others; supporting technical procurement documents; verifying compliance with toll system requirements; and preparing independent tolling analyses that provide DOTD with a consistent owner-side basis for procurement, evaluation, and negotiations***.

Intelligent Transportation Systems (ITS):

The Arcadis Team provides ITS support through the full project lifecycle from systems planning and concept development through systems engineering, device layout, communications architecture, integration planning, technical specifications, quantity development, and construction-phase support. Depending on Task Order needs, services may include fiber and communications planning, CCTV, DMS, detection, power and cabinet layouts, and field device integration. Arcadis brings the advantage of integrating ITS design and services with our roadway, bridge, traffic, utility, construction support, and owner representative capabilities so DOTD receives coordinated technical delivery.

Lighting:

For roadway and aesthetic lighting assignments, the Arcadis Team provides design support from initial field review and concept development through photometric analysis, final plan production, and design-stage updates. Our approach begins with confirming available base information, existing conditions, and project geometry, then developing a lighting concept that defines proposed lighting locations, equipment, and the overall design approach for DOTD review before detailed analysis

advances. We perform photometric analyses using appropriate lighting design software and develop layouts that meet applicable ANSI/IES, AASHTO, and DOTD roadway lighting criteria. Pole placement, clearances, and electrical components are developed in close coordination with our roadway, bridge, utility, and traffic teams. As design progresses, we prepare the reports, layouts, diagrams, and plan sheets needed to support review, quantity development, and final plan production; and we update analyses and documents as design changes or review comments are incorporated. ***This approach allows DOTD to use the Arcadis Team for both stand-alone task orders and lighting components embedded within broader Critical Projects*** while maintaining coordination, constructability, and technical consistency across disciplines.

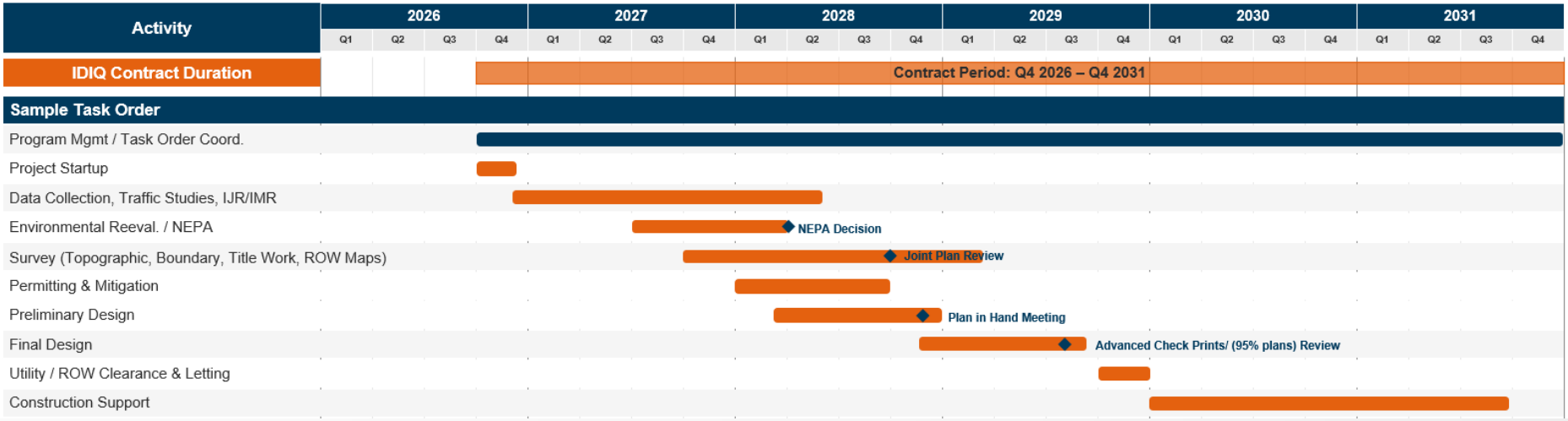
Public Relations & Graphics:

The Arcadis Team provides a full range of services including project branding, presentation materials, public meeting content, executive briefings, fact sheets, and other tools that communicate project purpose, alternatives, impacts, benefits, and construction-related changes to a wide audience. We provide project-specific website design to communicate consistently with stakeholders, partner agencies, local officials, affected communities, and the traveling public. These services may be delivered as stand-alone support or integrated with environmental documentation, public outreach, transportation management planning, and alternative delivery. ***Our partner Rannah Gray Communications brings deep Louisiana public involvement experience for transportation and infrastructure projects***, focused on producing accurate, visually clear materials that improve understanding and support timely engagement.

Commitment to Quality and Continuous Improvement

The Arcadis Team is committed to disciplined delivery, transparent communication, and continuous refinement of our process so DOTD receives responsive support and technically sound results on each task order. This commitment is reflected in how we plan projects, manage risk, coordinate across disciplines, and incorporate lessons learned. Our approach and methodology is grounded in 1) Rigorous QA/QC at all stages; 2) Transparent and proactive communication with DOTD and stakeholders; 3) Integrating lessons learned into all assignments; and 4) Delivering projects that enhance safety, mobility, and quality of life for Louisiana's residents. The below schedule presents a high-level delivery framework for a moderately complex task order, illustrating how the Arcadis Team sequences management, technical, environmental, and design activities.

LADOTD Critical Projects IDIQ — Example Project Schedule



DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION
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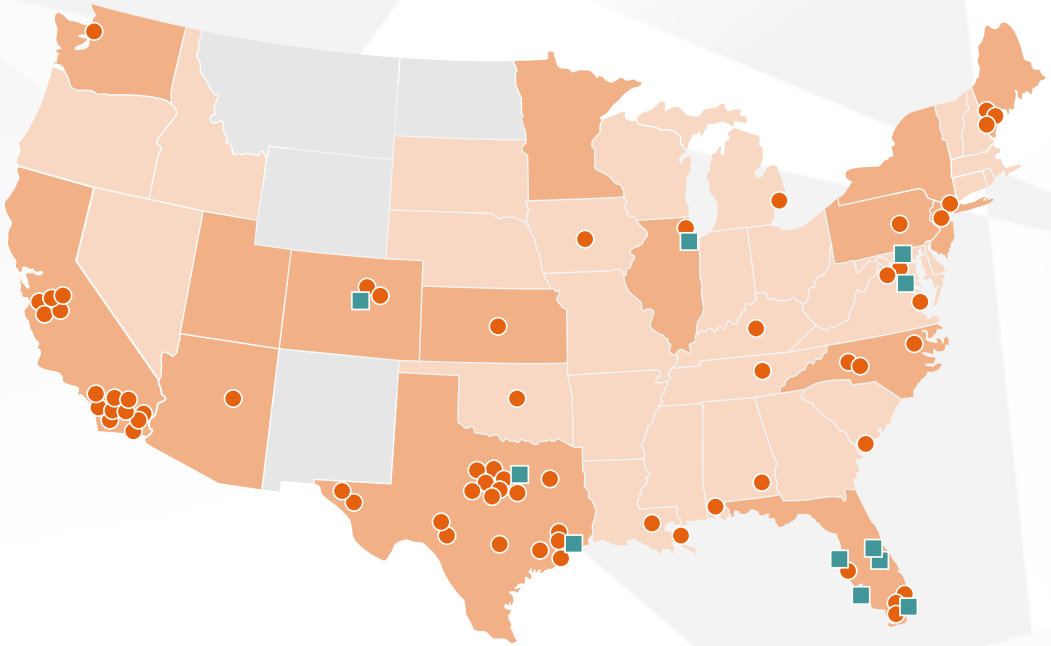
Our exclusive partner, **CDM Smith**, is the largest provider of traffic and revenue (T&R) services in North America. With nearly 70 years of tolling experience and 80 tolling specialists / experts dedicated exclusively to serve the tolling market, they bring experience from projects around the nation to Louisiana.

60+ Years	60+ Years	40+ Years	30+ Years	30+ Years	25+ Years	20+ Years	10+ Years	20+ Years
✓ ISTHA	✓ NTTA	✓ Penn Turnpike	✓ HCTRA	✓ NJ Turnpike	✓ Maine Turnpike	✓ TxDOT	✓ CFX	✓ GMX

✓ *Agencies for whom we have served as T&R engineer to support trust indenture services.*



- CDM Smith Traffic and Revenue Experience
- States with CDM Smith Managed Lane Evaluations
- States with CDM Smith Additional Toll Industry Services
- Agencies converted to AET from Conventional Tolling

TOLLING EXPERTISE AT A GLANCE

50+
Toll operators served

+60%
of all US investment grade studies supported for toll-financed projects

40+
of 72 express lane projects currently operating in the US

$150B
T&R studies supported in toll financing

Stronger Together.
Delivering More.

19 WORKLOAD:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Arcadis	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	$40,250
		4400023690 /H.016529.5	US90BUS (Broad St): Enterprise BL – I-210	$146,200
		4400023690 /H.016380.5	LA 1024: S-Wave Ground Inlay Grooves	$6,863
		4400017033 /H.005121	LA 1/LA 415 Connector	$358,523
		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	$63,256
		4400021325 /H.010824.1	US 71 Corridor Study	$66,131
		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 *(40% of remaining work is complete and invoiced but awaitng payment)*	$1,100,575
	Road	4400024307 H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$2,883
		4400017033 / H.005121	LA 1/LA 415 Connector	$877,764
		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 *(40% of remaining work is complete and invoiced but awaitng payment)*	$351,828
		4400026457 /H.013868.5	ITS MGMT, OPERATIONS, & MAINT	$348,043
		4400026457 /H.013868.6 (A)	ITS MGMT, OPERATIONS, & MAINT	$156,643
		4400026457 /H.013868.6 (B)	ITS MGMT, OPERATIONS, & MAINT	$171,197
		H.003931	I-10 Calcasieu River Bridge P3 Project	$125,000
	Environmental	4400019338 / Multiple State Project Nos	Rural Bridge Replacement Initiative Phase II	$17,088

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Arcadis	Environmental	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 awaitng payment)*	$100,000
		4400009281 /H.009932	US 80 Widening: Vancil Road to Well Road EA	$5,343
		4400025022 /H.015498.5 Recall 102225	Park Road Over Lagoon	$11,464
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Env. Task Orders	$87,426
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$32,977
		H.003931	I-10 Calcasieu River Bridge P3 Project	$100,000
		4400025047 /H.011358.2	US 190 (Vine Street) Reconstruction	$5,500
		4400030714 /H.016648.1	I-12@I-55 Interchange Improvement Study	$175,493
	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 awaitng payment)*	$603,657
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Bridge Task Orders	$15,000
		H.003931	I-10 Calcasieu River Bridge P3 Project	$200,000
	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 awaitng payment)*	$349,141
		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
	CE&I/OV	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	$44,845
CDM Smith	Planning	H.013284	Mississippi River Bridge South to Greater Baton Rouge: LA 1 to LA 30 Connector	N/A
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	$740,206
		44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	$45,666
		44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	$925,025
		H.004435	I-12 to Bush Construction Phase	$39,040
		44-8671; H.009266	I-10 Widening: LA 73 to LA 30	$46,811

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Ardaman & Associates, Inc.	Geotech	44-17438; H.013284	MRB GBR LA 1 to LA 30 Connector	$3,979
		44-6189; H.004647.6	I-20 Mississippi River Bridge at Vicksburg	$1,270,473
		44-25025; H.015452, H.015453, H.015456, H.015458	IIJA	$19,887
		44-21519; H.012030.5	KCS RR Overpasses US 371	$39,877
		44-21887; H.012542, H.012453, H.012047	Replacement of 15 Bridges	$240,616
		44-6189; H.016313.5, H.016314.5	Culvert Replacements	$3,371
		H.015430	IIJA	$3,192
		H.001798	LA 531: Bridges Near Dubberly	$12,533
		H.016094	US 371: Brushy Creek Bridge	$36,357
		H.016204	Benton Sidewalks & RR Crossing	$8,550
ECM Consultants, LLC	Other (dam safety)	Contract# 4400020842 Task Order 4	IDIQ Contract for Engineering & Inspection of State Regulated Dams District 02, 03,07,61 & 62	$68,326
	Other (Dam Safety feature evaluation)	Contract# 4400020842 Task Order 5 H016487.5	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 02, 03,07,61 & 62	$111,537
	Other (Dam Safety feature evaluation)	Contract# 4400020842 Task Order 6	IDIQ Contract for Engineering & Inspection of State Regulated Dams with Majority of work in District 02, 03,07,61 & 62 Statewide*(Dam Safety South Louisiana)*	$82,435
	CE&I/OV	Contract#4400031761 H.010557.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 *(LaJaunie Rd./ Lateral 1 Bayou St. Clair)*	$194,149
	CE&I/OV	Contract# 4400021680 H.008145.6	DOTD LA1 Leeville to Golden Meadow	$2,158,810
		Contract# 4400023838 Task Order 3, H013719.6	IDIQ CE&I Services for Safety Projects US 61 @1-10EB off Ramp Ped IMPR (NO) Route:61	$54,547
		Contract# 4400023838 Task Order 4, H014629	IDIQ CE&I Services for Safety Projects - Lafourche Parish signing and striping	$181,862
		Contract# 4400023838 Task Order 5, H013722.6	IDIQ CE&I Services for Safety Projects - Morgan City Sidewalks - downtown & Myrtle St Mary Parish	$163,430

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
ECM Consultants, LLC		Contract# 4400025845 H.013025.6	CE&I Engineering & Inspection Univ AV PH1:100' S RR-500' S I-10 EB RMP *(University Avenue/Lafayette Parish)*	$522,683
		Contract#4400027364 H.003184.6	IDIQ CE&I Services District 07 *(TX State Line-E. of Coone Gully)*	$743,527
	CE&I/OV	Contract# 4400030092 H.013968.6	IDIQ CE&I and Staff Augmentation Dist. 61 *(LA 404: Bayou And Canal Bridges)*	$1,011,667
		Contract# 4400030092 H.015548.6	IDIQ CE&I and Staff Augmentation Dist. 61 *(E Flanacher Road Over Drainage Bayou)*	$3,107
		Contract # 4400032522 H016762.6	IDIQ Contract for CE&I for safety projects Dist. 3,7,8 Sidewalks (Oberlin)	$142, 353
M&M	Other (Roadway Lighting)	H.015504.6 - Task Order 6	CCC Decorative Lighting	$6,625
	Bridge	JN 3144	Expert witness services in bridge design, construction, repair and forensic analysis	$195,719
		Contract 44-29193 H.004100.5/H.004100.6	Subconsultant: LA 415 to Essen Lane on I-10 and I-12 Segment 1 Task 2	$377,430
		Contract 44-21128 H.014258	Subconsultant: LA 1: Port Allen Canal Bridge Replacement - Phase 2 CRES	$417,461
	Bridge	H.011137.6 - Task Order 5	I-12: LA 1077 to LA 21	$108,195
		H.002980.6 -Task Order 9	I-10 Overpass Over US 165 & MP RR	$49,009
		H.014998.6 -Task Order 10	West Larose Lift Bridge Rehabilitation - Final Design	$2,817
		H.014998.6 -Task Order 11	West Larose Lift Bridge Rehabilitation - CRES Close Out	$62,530
		H.001271.5 - Task Order 13	Cane River Bridge Navigation Lights	$179,388
		H.014609.1 - Task Order 14	Cameron Ferry Landing Replacement	$217,545
		H.004647.6 - Task Order 15	I-20: MRB Geotechnical and Structural - Vicksburg Monitoring	$93,125
		H.011705 - Task Order 17	US 11 Rehabilitation Close-out Continuation CRES	$8,310

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
M&M		H.014465.5 - Task Order 20	Vermillion River Bridge (Perry Bridge Rehab 2025 - Add Scope)	$5
		H.015115.6 - Task Order 19	LA 224 at ICWW Girder Repair CRES	$49,367
		H.014465.6 - Task Order 7	LA 82 Perry Bridge Rehabiliation CRES	$1,232,855
		Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road	$2,979
		Contract 44-05673 H.011235.5	Subconsultant: I-49 South @ Verot School Road	$290
		H.009859.5 - Task Order 1	Bridge Load Rating	$300,499
		H.009859.5 - Task Order 2	Load Rating of 10 Statewide Bridges	$747,233
		Contract 44-22581 H.011221.5	I-10: N.O. CBD3 (Poydras - Louisa)	N/A
		Contract 44-22581, H.011222.5	I-10: N.O. CBD4 (Louisa - I510)	$147,266
		H.009859.5	Bayou Barataria - Limited Rehabilitation	$39,030
		H.009730.5 Task Order 1	Complex Inspection - Structural, Mechanical, Electrical LA 56 and LA 661	$125,594
		H.009730.5 Task Order 2	Complex Inspection - Structural, Mechanical, Electrical	$633,302
	CE&I/OV	H.011487.6	LA 182: Berwick Bay Bridge Rehabilitation	$1,073,958
	CE&I/OV	H.015028.6	LA 302: Bayou Barataria MB Repl Phase I	$682,075
		H.003144.6	MRB (Luling) CEI of Latent Defects	$4,293
		H.003144.6 - Supp No. 1	Luling Exit Pipe Sealing CE&I 2026	$174,790
NTB Associates, Inc.	Survey	4400019338, Multiple SP Nos.	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	$48,739
		4400019337, Multiple SP Nos.	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	$28,531
		4400025041, H.015403	(IIJA) Off-System Bridge Program - W. Yellow Water Road Bridge, Tangipahoa Parish (Sub to Waggoner)	$1,055
		4400031331, H.015477.5	Shreveport Pavement Program- Task Order No. 2 – LA 1 Caddo Lake Bridge, Caddo Parish	$27,752

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
NTB Associates, Inc.		4400027918, H.012869.5	IDIQ Contract for Professional Boundary Surveying Services – Task Order 3 – LA 182 (Univ) @ LA 723 (Renaud) Roundabout, Lafayette Parish	$27,332
		4400027918, H.011310	Task Order 4 – Ford Street Extension, District 61	$8,603
		4400027918, H.015721	IDIQ Professional Boundary Surveying– Task Order 5 – LA 30 Roundabout, Ascension Parish	$23,592
		4400027918, H.015568	IDIQ for Professional Boundary Surveying– Task Order 6 – LA 44 Pelican Point Roundabout & Widening	$44,108
		4400027918, H.014059	IDIQ for Professional Boundary Surveying– Task Order 7 – US 80: Bridges Near Minden, Webster Parish	$10,024
		4400027918, H.014059	IDIQ for Professional Boundary Surveying– Task Order 8 – US 80: Bridges Near Minden, Addt'l Site	$842
		4400027918, H.011970.5	IDIQ for Professional Boundary Surveying– Task Order 9 – LA 182: Bayou Terrebonne Bridges	$30,452
		4400027918, H.016325.5	IDIQ Contract for Professional Boundary Surveying Services – Task Order 10 – LA 358: Creek Bridge	$13,467
		4400027918, H.010795.5	IDIQ for Professional Boundary Surveying– Task Order 11 – LA 42: Roundabout @ Joe Sevario Road	$27,774
	Other (SUE)/ Survey	4400030630, H.015724.5	Kings Hwy: Healthcare & Dev. Corridor, Caddo Parish	$193,085
	Other (SUE)	H.003855	Cong Relief Winfield Road, Bossier Parish	$3,566
		4400026587, H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	N/A
Marmillion Gray Media	Other (Public Involvement)	H.972374.1	Local Public Agency Documented Planning Process - Statewide	$23,232
Stanley Consultants, Inc.	Road	44-23943; H.009892	US 90 FR: Exit to LA 329	$300,466
		44-23943; H.016278	US 167: Median Improvements	$24,586
		44-23943; H.014886.5	US 90: Lafitte Ave to France Rd	$112,925
		44-27093; H.016110	LA 31: LA 94 – LA 341	$16,959
		44-23943; H.013941	LA 724: Roundabout at Landry Rd	$16,496

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Stanley Consultants, Inc		44-27093; H.014041	Inter. Imp. on LA 92 @ LA 733 & Gallet Rd.	$16,943
		44-28432; H.015569.5	LA 44: I-10 Roundabouts	$290,282
		44-23943; H.012633	LA 1088 Forest Brook Blvd Roundabout	$281,055
		44-27093; H.015849	US 190: R-Cut @ LA 741	$5,865
		44-27093; H.014824	US 90 @ Wax Lake	$7,000
		44-27093; H.015847	US 90: LA 668 to LA 318	$192,208
		44-27093; H.015949	LA 335: E JCT LA 694 – LA 14	$10,530
		44-27735; H.014056	I-69 Frontage Rd Connector (Stonewall Frierson)	$126,570
		44-27735; H.005184	I-69 Frontage Rd Connector (Stonewall to Ellerbe Rd)	$485,000
		44-27735; H.014054	I-69 Frontage Rd Connector (Ellerbe Rd to LA 1)	$281,042
		44-24641; H.005734.5	LA 447: I-12 to Buddy Ellis Road	$297,227
		44-30072; H.016773	LA 1: Old River Road to Broadway Ave	$215,529
		44-30072; H.015291	LA 158: LA 8 - US 71	$212,313
		44-30072; H.016296	LA 191: 286'N of LA 1218 - LA 174	$206,900
		44-30072; H.015313	LA 156: LA 479 - LA 501	$237,789
		44-30072; H.016775	LA 121: Vernon P/L - LA 112	$210,736
	CE&I/OV	44-23943; H.011909.6	US 171 Roundabout at Boone St. Construction Support	$64,558
		44-23943; H.011137 &	I-12 Construction Support Contract 2	$36,677
		44-23943; H.010960	LA 30 Construction Support 2	$47,574
		44-23943; H.009892	US 90 FR: Exit to LA 329 Construction Support	$10,000
	Other (Project Management)	44-28432; H.015569.5	LA 44: I-10 Roundabouts	$32,253
		44-27735; H.014056	I-69 Frontage Rd Connector (Stonewall Frierson)	$204,885
		44-27735; H.005184	I-69 Frontage Rd Connector (Stonewall to Ellerbe Rd)	$279,379
		44-27735; H.014054	I-69 Frontage Rd Connector (Ellerbe Rd to LA 1)	$289,959
	Other (Trial Services)	32184S-T001; H.011909	US 171 – Trial Services	$3,315
		32184S-T003	LA 30 Roundabout - Trial Services	$7,000
	Other (Real Estate)	32184S-T002; H.011909	US 171 – Property Report	$3,200
	Bridge	44-25029; H.015545	Stoney Point Burch over Drainage Bayou	$745
		44-25029; H.015550	Pride-Baywood Over Mill Creek	$745
		44-27735; H.005184	I-69 Frontage Rd Connector (Stonewall to Ellerbe Rd)	$123,138
		44-27735; H.014054	I-69 Frontage Rd Connector (Ellerbe Rd to LA 1)	$64,690
	Traffic	44-27735; .014056	I-69 Frontage Rd Connector (Stonewall Frierson)	$184,114

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Stanley Consultants, Inc..		44-27735; H.005184	I-69 Frontage Rd Connector (Stonewall to Ellerbe Rd)	$147,000
		44-27735; H.014054	I-69 Frontage Rd Connector (Ellerbe Rd to LA 1)	$191,270
Lazenby & Associates, Inc.	Road	4400010428, H.004774.5	Kansas-Garrett Connector & I-20 Improvements	$31,992
		H.009837.5	LA 64: Roundabout @ LA 1019 Routes: LA 1019, LA 64	$93,726
		4400026026, H.015231.5	US 80 Roundabout @ US 80, LA 15 & LA 546 Routes: US 80, LA 15 & LA 546	$189,181
		4400026026, H.016037.5	LA 1138-1 & LA 1138-2: Corridor Improvements	$359,901
		4400026026, H.015615.5	LA 14: Roundabout @ Corbina Road Route: LA 14	$209,916
		4400026913, H.015200.5	East Street & Parkview Drive Sidewalk (Monroe)	$51,058
		4400026913, H.016208.5	Shephard St. Sidewalks (Minden)	$4,000
		4400026913, H.016192.5	US 425 & Arkansas St. Sidewalks (Ferriday)	$1,631
		4400026913, H.016204	Benton Road, Shed Road Sidewalks & KCS Crossing	$196,385
		4400031585, H.016797.5	US 80 & US 167 Repairs, (Lincoln Parish)	$282,023
		4400031585, H016563.5	LA 151: Claiborne P/L-LA 545, (Lincoln Parish)	$248,113
	Bridge	4400025025, H.015462.5	Pilgrim Rest Church Road Over Steep Bank Creek Union Parish Off-System Bridge	$4,050
		4400025025, H.015461.5	Firetower Road Over Rock Creek, Union Parish Off-System Bridge	$4,150
		4400025025, H.015454.5	Keppler Creek Road Over Sugar Creek, Jackson Parish Off-System Bridge	$4,150
		4400025025, H.015457.5	Olen Hughes Road Over Bayou Bonne Idee, Morehouse Parish Off-System Bridge	$8,446
		4400025025, H.015337.5	Mineral Springs Road Over Clark Creek, Ouachita Parish Off-System Bridge	$15,600
		4400025025, H.015459.5	Lapine Road Over Rogers Creek, Ouachita Parish Off-System Bridge	$1,050
		4400025025, H.015453.5	Hale Road Over Alligator Bayou, West Carroll Parish Off-System Bridge	$17,611
		4400025025, H.015456.5	Hodge Road Over Cypress Bayou, Madison Parish Off-System	$31,798
		4400025025, H.015452	Henderson Loop Road Over Wildcat Bayou	$67,415
		4400021887, H.012047	US 167 Bridge & US 167 Bridge Relief Over Big Creek	$165,918

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Lazenby & Associates, Inc.		4400021887, H.012542	LA 114 Bridge Over Belle Deau Bayou/ LA 107 Bridge Over Bayou Jack Relief	$98,745
		4400021887, H.012543	LA 8 Bridge Over Big Creek	$96,262
		4400021887, H.012544	LA 120 Bridge Over Creek, Relief No 1-3	$293,580
	Survey	4400021972, H.015641.5	US 165 Super Street (Deloach St.-White St.)	$427,740
		4400021972, H.015640.5	LA 150 & LA 818 Roundabout	$64,076
		4400021972, H.014054.5	I-69 FRTG RD CONN (Ellerbe Rd-LA 1) Route: LA 3276-P, (Caddo Parish)	$13,084
		4400027916, H.009837.5	LA 64: Roundabout @ LA 1019, Livingston Parish	$40,384
		4400027917, H.004825.5	LA 28: Widening: LA 3128 to LA 116 (On Hold)	$150,908
		4400027735, H.005184	I-69 Frontage Road Connector / Stonewall Fryerson to Ellerbe Road	$474,190
		4400027687, H.008768.5	Hydrographic Surveying Monitoring (North Region)	$24,485

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

20

By integrating **ECM Consultants, Inc.** with our in-house **Arcadis subject matter experts,** we deliver a proven, cohesive construction support team with deep experience supporting LADOTD under both CPM and Claims Analysis IDIQ contracts. Together, we provide seamless, proactive services—from construction drawing reviews and RFIs to NCR resolution, value engineering, and cost/schedule risk assessments—grounded in national best practices and tailored to Louisiana's program needs. Our strength lies not only in resolving issues, but in anticipating and preventing them, equipping LADOTD with clear, defensible recommendations that drive timely decisions and reduce claims risk.

Claims and Dispute Resolution

Having specialized in claims for over 45 years, Arcadis is an acknowledged industry leader in the prevention, investigation, evaluation, and resolution of construction disputes. We offer highly experience senior level claims consultants that have extensive experience in all aspects of the evaluation and resolution of high volume, high dollar, complex claims and disputes on major construction projects.

CPM Scheduling

A schedule is a dynamic document that must be maintained and updated to reflect the latest progress, issues, and work plans in order to truly represent the project status and be a beneficial management tool. Our schedule team is skilled at reporting the project status in a clear concise manner. Narrative and graphical reports are tailored to the various users reflecting their roles ranging from the needs of the job foreman to those of Senior Management.

Risk Management

Arcadis' systematic risk management approach helps to set expectations and reduce surprises by prioritizing and evaluating major risks and recommending project specific contingencies. Unrealistic budget and schedule constraints may have unintended consequences, leading to short-sighted or reactive decisions that can yield disastrous results as a job progresses.

Value Management

Effective value management (VM) studies provide owners with deep insight into a project's total construction and life-cycle costs focusing on adding functional value and promoting implementable solutions. Value management is a business process optimization tool and methodology to develop solutions to solve challenges related to process, projects and products to achieve a practical balance between cost, performance, longevity and reliability.

Cost Estimating

Today's unprecedented market conditions pose many challenges for cost effective project delivery. Arcadis brings a global market insight with a local market perspective to help you understand your project's cost drivers and make well-informed decisions to avoid, mitigate, and resolve complicated cost issues.

Stronger Together.
Delivering More.

STAFF CERTIFICATION CHART SUMMARY

Names	Firm	Relevant Certification
Akhil Chauhan, PE, PTOE, PTP *Meet MPR Nos. 1 & 2*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Module 1, 2, & 3 Various Relevant NHI and DOTD Courses
Jose L. Rodriguez, PE *Meets MPR No. 3*	ARCADIS	ATSSA Traffic Control Supervisor
Jason Morrell, PWS *Meets MPR No. 4*	ARCADIS	Professional Wetland Specialist Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making" FHWA – NHI Course No. 142047 – Water Quality Management of Highway Runoff Institute for Wetland & Environmental Education & Research, Inc. – Corps Wetland Delineation Manual Watershed Hydrology Consultants, LLC – Assessing and Advancing Watershed management – Identification of Intermittent and Perennial Streams
Jan Grenfell Hughes *Meets MPR No. 4*	ARCADIS	Section 106 of the National Historic Preservation Act Training NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making" NHI Course No. 142049 – Beyond Compliance: Historic Preservation in Transportation Project Development NHI – Fundamentals of Title VI/Environmental Justice NHI – Federal Aid Highways – 101 (State Version) Wetland Biochemistry Institute - Wetland Delineation Training Workshop LADOTD – Endangered Species Act – Section 7 Consultation Process
Ari Deitch, PE, PTOE, PTP, RSP *Meets MPR No. 5*	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
Kester Hollier, PE, PTOE *Meets MPR No. 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor

Names	Firm	Relevant Certification
Sridhar Basetty, PE, PTOE *Meets MPR No. 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 NHI Course No. 133078 – Access Management, Location and Design Association of Pedestrian and Bicycle Professionals – Designing Pedestrian Facilities for Accessibility Traffic Controller and Streetwise Training Course NHI – 133121 Traffic Signal Design and Operation
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
Sophie Vincent, GIT	ARCADIS	Louisiana Geoscientist-in-Training Transportation Worker (TWIC) Certified eRailSafe Certified
Annamarie Weddle, AICP	CDM Smith	American Institute of Certified Planners
Carlyn Flynn, AICP	CDM Smith	American Institute of Certified Planners
Karen Hadley, AICP	CDM Smith	American Institute of Certified Planners
Richard Tillery, AICP	CDM Smith	American Institute of Certified Planners
Benjamin Dow	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger FAA Aviation Safety – Part 107 Small Uas Recurrent LADOTD Embankment and Base Cours Inspector LADOTD Moveable Bridge Inspection Workshop LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9 FHWA-NHI-130053 Bridge Inspection Refresher Training TDOT Safety In-Srvc Brgs-NHI
Bill Oliver	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9
Chris Capretto, PE, PMP	ECM	Project Management Professional (PMP) ATSSA Traffic Control Supervisor ATSSA Certified Flagger NHI Course No. 130091 Underwater Bridge Inspection LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9

Names	Firm	Relevant Certification
David Waller	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger LADOTD Embankment and Base Cours Inspector LADOTD PCC Paving Inspector Federal Aviation Administration (FAA) Remote Pilot License FHWA-NHI-130053 Bridge Inspection Refresher Training LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9
Emilio Rodriguez	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger LADOTD Movable Bridge Inspection Workshop FHWA-NHI-130053 Bridge Inspection Refresher Training NACE Coating Inspector Level 2 Federal Aviation Administration (FAA) Remote Pilot License FAA Aviation Safety – Part 107 Small Uas Recurrent USACE Construction Quality Management for Contractors
Kim Garlington, PE	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9 USACE Construction Quality Management for Contractors
Zach Collier, PE	ECM	ATSSA Traffic Control Supervisor ATSSA Certified Flagger FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers LADOTD Construction, Engineering & Inspection (CE&I) Training Part 1-9 USACE Construction Quality Management for Contractors
Amy Schulze, PE, CFM *Meets MPR No. 8*	NTBA	ASFPM Certified Floodplain Manager UESI Utility Investigation School – 40 Professional Development Hours
Belton Davis	NTBA	ATSSA Traffic Control Technician UTA Certified Professional Utility Locator
Captayn Chapman	NTBA	ATSSA Traffic Control Supervisor UTA Certified Professional Utility Locator
Daniel Brooks	NTBA	ATSSA Certified Flagger
William Wales	NTBA	ATSSA Traffic Control Supervisor

20 CERTIFICATIONS/LICENCES

Names	Firm	Relevant Certification
Jeremy Reppond	NTBA	Federal Aviation Administration (FAA) Remote Pilot License
Ronald Riggin, II, PE, PLS *Meets MPR No. 6*	LAZENBY & ASSOCIATES, INC.	ATSSA Traffic Control Supervisor
Paul Fryer, PE, PLS *Meets MPR No. 7*	LAZENBY & ASSOCIATES, INC.	ATSSA Traffic Control Supervisor
James Ellingburg, PE, LSI *Meets MPR No. 10*	LAZENBY & ASSOCIATES, INC.	ATSSA Traffic Control Supervisor Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Jerry Lazenby, PE, PLS	LAZENBY & ASSOCIATES, INC.	ATSSA Traffic Control Supervisor
Noah Sampognaro, PE, LSI	LAZENBY & ASSOCIATES, INC.	ATSSA Traffic Control Supervisor
James "Ryan" Spillers *Meets MPR No. 10*	LAZENBY & ASSOCIATES, INC.	Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Louisiana's Secretary of State (SOS) Registration Screenshots for: **Arcadis U.S., Inc.**, **CDM Smith, Inc, ECM Consultants, LLC, Eustis Engineering L.L.C. Lazenby & Associates, Inc., Modjeski and Masters, Inc., NTB Associates, Inc., Marmillion Gray Media, Inc., Stanley Consultants, Inc.** is located at the end of this section.		

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

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

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

November 24, 2008

Steven D. Hofener
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

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
Location: Baton Rouge, LA

Hours of Instruction: 12

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

U.S. Department Of Transportation
Federal Highway Administration

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
Location: Baton Rouge, LA

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

U.S. Department of Transportation
Federal Highway Administration

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
Location: Baton Rouge, LA

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

NATIONAL HIGHWAY INSTITUTE

U.S. Department of Transportation
Federal Highway Administration

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*
Date: *7/18/2012*

Hours of Instruction: *12 hours*

Richard J. Barnaby, Director
National Highway Institute

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

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

Mark 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

Dr. Helmut Schneider
Director
Highway Safety Research Group

CERTIFICATE OF PARTICIPATION

IS GIVEN TO

Akhil Chauhan

for having participated in Louisiana's Local Road Safety Peer Exchange

on September 10-11, 2015 in Baton Rouge, Louisiana

DORTHA F. CUMMINS
Director, Louisiana Center for Transportation Safety

Society of Wetland Scientists
Professional Certification Program, Inc

renews the designation

Professional Wetland Scientist

For

Jason E. Morrell

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.
Professional Wetland Scientist Number 2319 issued on 4/1/2013 and recertified on 5/2/2023.
Due to recertify again by 4/1/2028.

Rob McInnes, PWS
President

Pat Frost, PWS
Certification Renewal Chair

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

JASON MORRELL

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *December 3-5, 2018* ***Hours of Instruction:*** 18
Location: *Baton Rouge, LA*

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Jason Morrell

has participated in

FHWA-NHI-142047 Water Quality Management of Highway Runoff

hosted by

Georgia Department of Transportation

Date: *October 25-26, 2011* ***Hours of Instruction:*** *12 hours*
Location: *Atlanta, GA*

Instructor

Local Coordinator

Instructor

Richard Barnaby, Director
National Highway Institute

INSTITUTE FOR WETLAND & ENVIRONMENTAL
EDUCATION & RESEARCH, INC.

CERTIFICATE OF TRAINING

This certifies that

JASON MORRELL

has completed wetland delineation training in the use of the

CORPS WETLAND DELINEATION MANUAL

Note: This training has been based in part on the U.S. Army Corps of Engineers Wetlands Manual, Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.

Barbara J. Tiner, President

September 2002
Date

P.O. Box 288, Leverett, MA 01054 (413) 548-8866 www.wetlanded.com

Apalachicola, Chattahoochee, and Flint River Basins

Certificate of Completion

AWARDED TO

Jason Morrell

FOR SUCCESSFULLY COMPLETING THE

ACF FRESHWATER MUSSEL WORKSHOP

TOPICS INCLUDED: MUSSEL EVOLUTION, TAXONOMY, BIOLOGY, ECOLOGY, TERMINOLOGY, SHELL IDENTIFICATION, ISSUES AFFECTING MUSSEL POPULATIONS, CURRENT RESEARCH, PROPOSED FEDERAL AND STATE LISTINGS, MOLECULAR, GENETIC AND PROPAGATION TECHNIQUES, SURVEY METHODS, AS WELL AS RECOVERY EFFORTS.
THE COURSE INSTRUCTION INCLUDED LECTURE, HANDS-ON CLASSROOM AND FIELD IDENTIFICATION OF FRESHWATER MUSSELS OF THE ACF.

Newton, Georgia
August 6-9, 2012

JAMES D. WILLIAMS PHD.
MALACOLOGIST

WATERSHED HYDROLOGY
CONSULTANTS

Watershed Hydrology Consultants LLC
Assessing and Advancing Watershed Management

Certificate of Training

This certifies that

Jason Morrell

has successfully completed the

Training Course on the Identification of Intermittent and Perennial Streams

May 21-23, 2012
Atlanta, Georgia

Classroom instruction and field instruction and practice were provided on: (1) The science of stream networks; hydrologic functions of streams and riparian zones; stream maps; and the geomorphologic, hydrologic, and biologic characteristics of headwaters streams; and (2) North Carolina Division of Water Quality, *Methodology for Identification of Intermittent and Perennial Streams and Their Origins, Version 4.11, 2010.*

Instruction provided by: Watershed Hydrology Consultants LLC, 1114 Upper Reach Drive, Wilmington, NC 28409; James D. Gregory; Principal/Senior Scientist and Lead Instructor

James D. Gregory, Ph.D., CPSS, PWS
Course Director

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 3

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

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

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

Certificate of Completion

presented to

Jason Morrell

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

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

U.S. Department of Transportation

Federal Highway Administration

National Highway Institute

national highway institute

Certificate of Training

JAN HUGHES

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *January 9-11, 2024*

Location: *Baton Rouge, LA*

Hours of Instruction: 18

Instructor

Instructor

Allison H. Landry

Local Coordinator

Stacey J. Caston

Stacey J. Caston, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Jan Grenfell

has participated in

NHI Course No. 142049 – Beyond Compliance: Historic Preservation in Transportation Project Development

hosted by

LA DOTD/LTRC

Date: January 29-31, 2013 *Hours of Instruction:* 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

JAN HUGHES

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *January 9-11, 2024* *Hours of Instruction:* 18

Location: *Baton Rouge, LA*

Instructor

Instructor

Allison H. Landry
Local Coordinator

Stacey J. Caston
Stacey J. Caston, Director
National Highway Institute

The
Louisiana Department of Transportation and Development
and
U.S. Fish & Wildlife Service

Certify that

JAN GRENFELL

has successfully completed

Endangered Species Act - Section 7 Consultation Process

ETRN No: **4-2536A**

Held on July 22, 2004

and has been awarded **5.0** *Professional Development Hours*

Kenneth Perrel
Assistant Secretary Planning and Programming

Vincent Russo, Jr.
Environmental Engineer Administrator

U.S. Department Of Transportation
Federal Highway Administration

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute
Certificate of Training

Jan Grenfell

has participated in

Federal-Aid Highways - 101 (State Version)

hosted by

LADOTD / LTRC

Location: Baton Rouge, LA ***Hours of instruction:*** 12

Date: **June 27 - 28, 2005**

Instructor

Coordinator

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional and Corporate Development
Federal Highway Administration

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

Jan Grenfell

has successfully completed

Introduction to Section 106 Review

New Orleans, Louisiana
July 17-18, 2001

Associate Vice President & Dean, College of Extended Studies

Instructor

Program Director

U.S. Department Of Transportation
Federal Highway Administration

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute
Certificate of Training

Jan Grenfell

has participated in

Fundamentals of Title VI/Environmental Justice

hosted by

LA DOTD/LTRC

Location: **Baton Rouge, LA**

Date: **June 14 – 15, 2006**

Hours of instruction: **12**

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional and Corporate Development
Federal Highway Administration

The

WETLAND BIOGEOCHEMISTRY INSTITUTE

of

LOUISIANA STATE UNIVERSITY

and Agricultural and Mechanical College

Certifies that

Jan Grenfell

has successfully completed

Wetland Delineation Training Workshop

This training has been based in part on the U.S. Army Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.

May 26, 2000

Granted on

Instructor

Instructor

Instructor

ATSSA

Safer Roads Save Lives

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

Transportation Professional Certification Board, Inc.

certifies that

Ari Jacob Deitch

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 37 issued in Washington, DC, USA

12/21/2018

Diane W. Morabito
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

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

11/20/17

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA

Safer Roads Save Lives

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.

ATSSA CERTIFIED

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

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

Allison H. Landry

Local Coordinator

Valerie Briggs

Valerie Briggs, Director
National Highway Institute

Transportation Professional Certification Board Inc.

certifies that

Kester 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

Kenneth W Ackert
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD, INC.

Executive Director

ATSSA

Safer Roads Save Lives

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

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Sridhar Basetty

has participated in

NHI Course No. 133078 -
Access Management, Location and Design

hosted by

LA DOTD/LTRC

Date: April 8-10, 2014
Location: Bossier City, LA

Hours of Instruction: 18

Instructor

Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NHI NATIONAL HIGHWAY INSTITUTE

SRIDHAR BASETTY

has participated in

FHWA-NHI-133121 Traffic Signal Design and Operation

hosted by

LA DOTD/LTRC

Date: *August 16-17, 2017*
Location: *Baton Rouge, LA*

Hours of Instruction: 11

Instructor

Instructor

Allison H. Landry
Local Coordinator

Valerie Briggs

Valerie Briggs, Director
National Highway Institute

Certificate of Completion

THE ASSOCIATION OF PEDESTRIAN AND BICYCLE PROFESSIONALS
presents this certificate to

Sridhar Basetty

in recognition of attendance at the course

Designing Pedestrian Facilities for Accessibility

An educational program developed by the Association of Pedestrian and Bicycle Professionals in conjunction with the United States Access Board to provide an overview of the Americans with Disabilities Act guidelines and policies for the public rights-of-way.

Hosted by the New Orleans Regional Planning Commission on December 9 & 10, 2013
10.5 hours of continuing education credits earned

Michael Ronkin
APBP Instructor

Dan Jatres
New Orleans Regional Planning Commission

Training Certificate

P R E S E N T E D T O

Sridhar Basetty

for successful completion of a webinar presentation on
Traffic Controller (Naztec TS1 & TS2) and Streetwise Training Course
June 17,2014
8 PDH's

Michael Trueblood, PE, PTOE
Facilitator

Trafficware UNIVERSITY

LAPELS Continuing Professional Development Provider - CPD.0000281

Congratulations!
Sridhar Basetty

You have completed

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

Date: April 27-28, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH(s) Awarded: 8.50

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board Inc.

certifies that

Sridhar Basetty

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 3682 issued in Washington, D.C. U.S.A.
August 1, 2014

Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Sridhar Basetty

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 526 issued in Washington, DC, USA
7/18/2016

Kenneth W. Ackeret
Chair

PTP PROFESSIONAL TRANSPORTATION PLANNER

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

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

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

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 L Snyder
Deborah Snyder
Chair

RSP1 ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
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

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

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Max Aguirre

for completing the

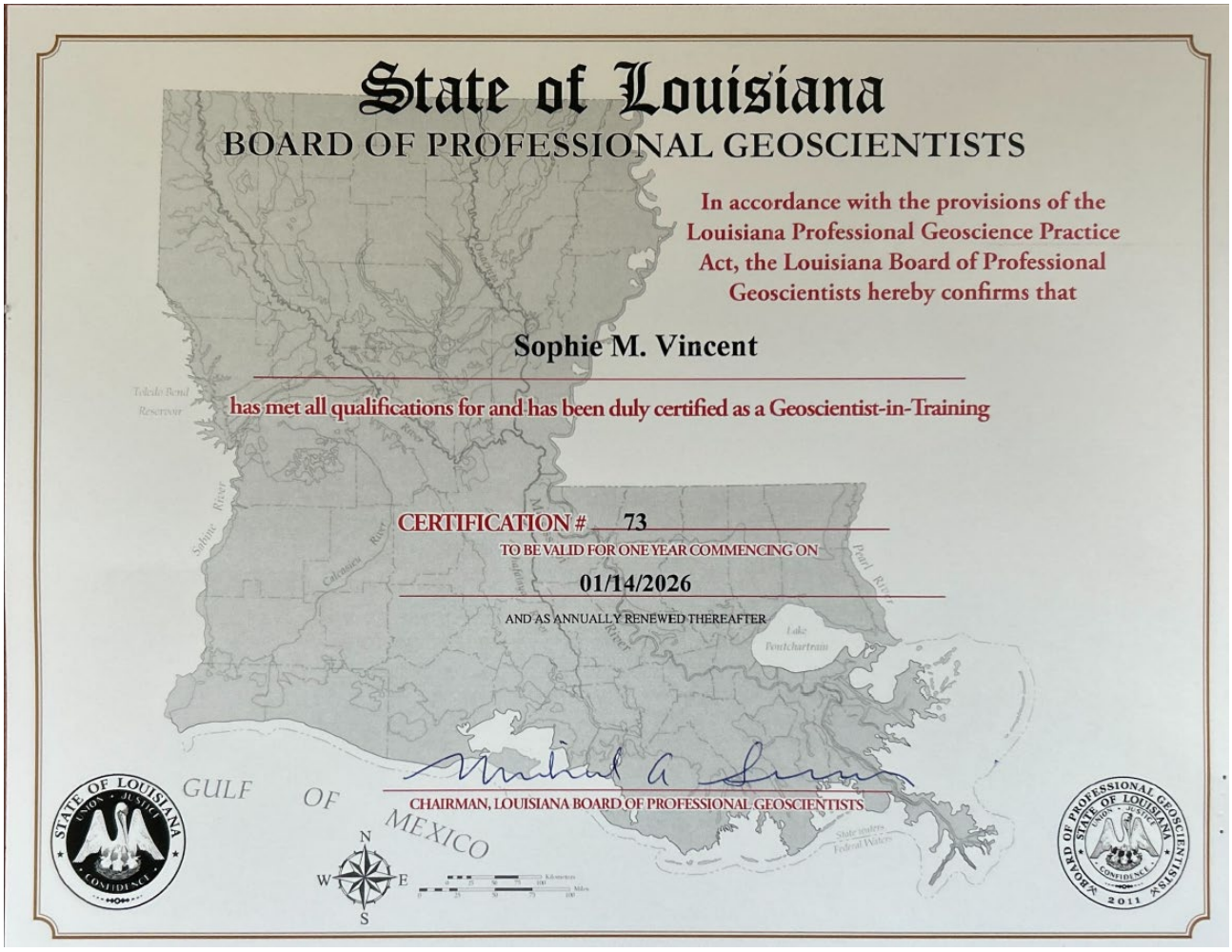
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3.5

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

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



State of Louisiana

BOARD OF PROFESSIONAL GEOSCIENTISTS

In accordance with the provisions of the Louisiana Professional Geoscience Practice Act, the Louisiana Board of Professional Geoscientists hereby confirms that

Sophie M. Vincent

has met all qualifications for and has been duly certified as a Geoscientist-in-Training

CERTIFICATION # 73

TO BE VALID FOR ONE YEAR COMMENCING ON

01/14/2026

AND AS ANNUALLY RENEWED THEREAFTER

CHAIRMAN, LOUISIANA BOARD OF PROFESSIONAL GEOSCIENTISTS

The American Planning Association's
Professional Institute
American Institute of Certified Planners

Creating Great Communities for All

April 9, 2026

AICP Certification Verification for Annamarie Weddle, AICP

Please accept this letter as confirmation that this certified planner is a current member, in good standing, of the American Institute of Certified Planners (AICP), the professional institute of the American Planning Association (APA). The official details of the member's certification are:

AICP Certification Start Date: 01/04/2023
AICP Certification Number: 34713
AICP Certification End Date: 09/30/2026

AICP is the APA's professional institute, providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

AICP certified planners carry a high mark of distinction because they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interests.

For more information about the requirements to become AICP, please see our website www.planning.org/aicp.

Please let us know if we can offer any additional assistance.

Sincerely,

Renee Kronon-Schertz
Certification Program Manager
AICP@planning.org

Chicago Office
200 East Randolph Street
Suite 6900
Chicago, IL 60601-6909
p: 312.431.9100

planning.org

AICP President
Erin N. Perdu, AICP

Chief Executive Officer
Joel Albizo, FASAE, CAE

American Institute of Certified Planners

AICP

Carleen M. Flynn, AICP

APA ID: 095456

AICP Start Date: 07/01/1996
AICP Certification #: 12110

CM Reporting Period Ends: 12/31/2027

The American Institute of Certified Planners provides the only nationwide, independent verification of planners' qualifications. Certified planners pledge to uphold high standards of practice, ethics, and professional conduct, and to keep their skills sharp and up to date by continuously pursuing advanced professional education.

Badges

AICP

The American Planning Association's
Professional Institute
American Institute of Certified Planners

Creating Great Communities for All

April 9, 2026

AICP Certification Verification for Karen Hadley, AICP

Please accept this letter as confirmation that this certified planner is a current member, in good standing, of the American Institute of Certified Planners (AICP), the professional institute of the American Planning Association (APA). The official details of the member's certification are:

AICP Certification Start Date: 01/09/2015
AICP Certification Number: 27422
AICP Certification End Date: 12/31/2026

AICP is the APA's professional institute, providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

AICP certified planners carry a high mark of distinction because they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interests.

For more information about the requirements to become AICP, please see our website www.planning.org/aicp.

Please let us know if we can offer any additional assistance.

Sincerely,

Renee Kronon-Schertz
Certification Program Manager
AICP@planning.org

Chicago Office
200 East Randolph Street
Suite 6900
Chicago, IL 60601-6909
p: 312.431.9100

planning.org

AICP President
Erin N. Perdu, AICP

Chief Executive Officer
Joel Albizo, FASAE, CAE

AICP

THE AMERICAN INSTITUTE OF CERTIFIED PLANNERS

RICHARD K. TILLERY, JR.

Has qualified as a

Member

with all benefits of a Certified Planner and responsibility to the AICP Code of Ethics and Professional Conduct.

Membership Certificate Number 017067

July 1, 2001

President

Executive Director

Certifications:
Benjamin Dow

State of Louisiana
Department of Transportation and Development

Benjamin Dow

has met the requirements for certification as a(n):

Embankment and Base Course Inspector

61 ND

Expiration Date: 4/21/2027

ATSSA American Traffic Safety Services Association
Safer Roads Save Lives

This is to affirm that

Benjamin Dow

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date: 3/3/2026
Exp. Date: 3/2/2030
State issued: Louisiana

ATSSA
Instructor Name
Instructor Signature

A1000411922

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Benjamin Dow
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

11/8/2022 to 11/8/2026
Training Valid Through

New Orleans, LA
Location

Director of Training
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Certificate of Attendance

Benjamin Dow

has participated in

Movable Bridge Inspection Workshop

and has been awarded 15 Professional Development Hours

November 7-9, 2012 Houma, Louisiana

Authorized By

Research, Technology Transfer, Education & Training

Benjamin Dow

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Transystems Corporation

Date: *July 25-27, 2023*
Location: *Fort Lauderdale, FL*
Hours of Instruction: 18

Instructor
Local Coordinator
Instructor

Stacey J. Caston
Stacey J. Caston, Acting Director
National Highway Institute

Texas Department of Transportation

CERTIFICATE OF TRAINING

Awarded to

Benjamin J. Dow

in recognition of participation in

Safety Insp In-Srvc Brgs -NHI

Presented By

National Highway Institute

On

February 08, 2013

Contact Hours: 80.00
Continuing Education Units 6.00

Executive Director

FAA Aviation Safety

Certificate of Achievement

This is to certify that

Benjamin James Dow

has successfully completed the
FAA Safety Team Aviation Learning Center Online Course

Part 107 Small Uas Recurrent

Course Number ALC-677
Presented by FAASTeam
April 22, 2025

Certificate Number 1216958-20250422-00677

Patricia Matthes, Manager, National FAA Safety Team

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Benjamin J Dow

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

6-25-2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ECM

Certs: Bill Oliver, P.E.

ATSSA
SAFER ROADS SAVE LIVES

American Traffic Safety Services Association

This is to affirm that

Bill Oliver

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

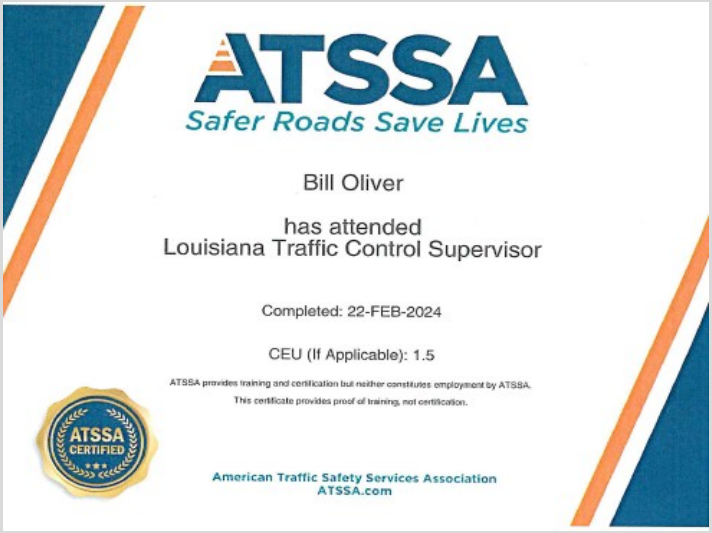
Issue Date 2/19/2024
Exp. Date 2/18/2028
State Issued Louisiana

ATSSA
Instructor Name

Instructor Signature

A1000174462

Verify at Flagger.com



ATSSA
Safer Roads Save Lives

Bill Oliver

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.

ATSSA CERTIFIED

American Traffic Safety Services Association
ATSSA.com

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Bill Oliver

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

5/23/25

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ECM

Certifications:
Chris Capretto, P.E., PMP

ATSSA American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

Christopher Capretto

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 7/19/2022

Exp. Date 7/18/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

A100009368?

Verify at Flagger.com

U.S. Department of Transportation

Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Chris Capretto

has participated in

NHI Course No. 130091

Underwater Bridge Inspection (4 Days)

hosted by

LA DOTD/LTRC

Date: October 7-10, 2014

Location: Baton Rouge, LA

Hours of Instruction: 21

Instructor

Allison H. Landry

Local Coordinator

Instructor

Valerie Briggs, Director

National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Christopher Capretto

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

8/5/2022 to 8/5/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

STATE OF LOUISIANA

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Chris Capretto

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) **on**

6/24/25

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Project Management Institute.

THIS IS TO CERTIFY THAT

Christopher M. Capretto

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 PROFESSIONAL CERTIFICATION

Project Management Professional (PMP)®

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

Ike Nwankwo, PMP | Chair, Board of Directors

Pierre Le Manh | President & CEO

Certification Number: 3840827

Original Grant Date: 14 May 2024

Citizenship: United States

Expiration Date: 14 May 2027

ECM

Certifications:
M. David Waller

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

M. David Waller

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: *August 30-September 01, 2022*
Location: *Ridgeland, MS*
Hours of Instruction: 18

Instructor
Local Coordinator
Instructor
Thomas Harman, Director
National Highway Institute

State of Louisiana
Department of Transportation and Development

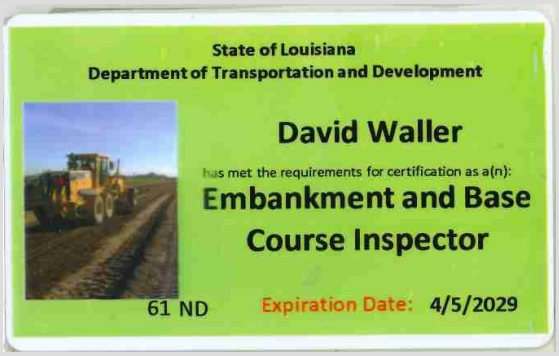
M D Waller

has met the requirements for certification as a(n):

ACM Paving Inspector/Technician

61 ND

Expiration Date: 3/9/2031



State of Louisiana
Department of Transportation and Development

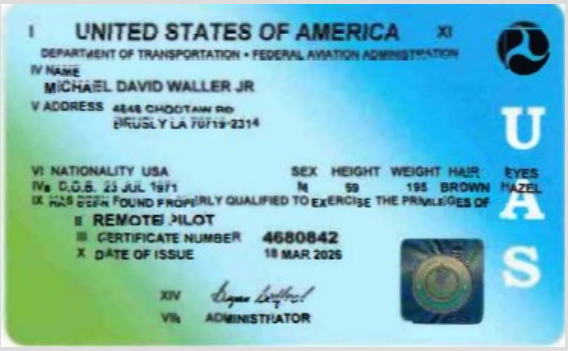
David Waller

has met the requirements for certification as a(n):

Embankment and Base Course Inspector

61 ND

Expiration Date: 4/5/2029



I UNITED STATES OF AMERICA XI
DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION
IV NAME
MICHAEL DAVID WALLER JR
V ADDRESS 4848 CHOOTAIN RD
BRUSLY LA 70719-2314

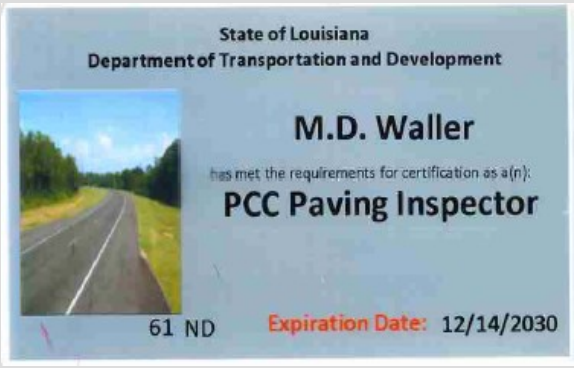
VI NATIONALITY USA
IVa D.O.B. 23 JUL 1971
IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

SEX	HEIGHT	WEIGHT	HAIR	EYES
M	59	195	BROWN	HAZEL

II REMOTE PILOT
III CERTIFICATE NUMBER 4680842
X DATE OF ISSUE 18 MAR 2026

XIV
VIIa ADMINISTRATOR

U S A



State of Louisiana
Department of Transportation and Development

M.D. Waller

has met the requirements for certification as a(n):

PCC Paving Inspector

61 ND

Expiration Date: 12/14/2030

State of Louisiana
Department of Transportation and Development

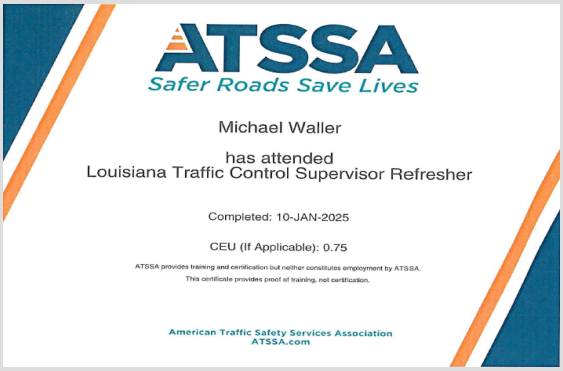
MD Waller

has met the requirements for certification as a(n):

Structural Concrete Inspector

61 ND

Expiration Date: 5/7/2031



ATSSA
Safer Roads Save Lives

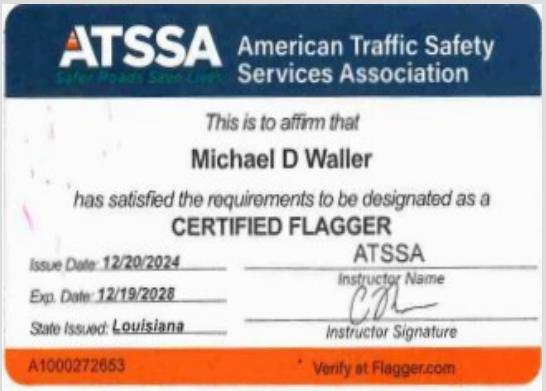
Michael Waller
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 10-JAN-2025

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



ATSSA American Traffic Safety Services Association
Safer Roads Save Lives

This is to affirm that

Michael D Waller

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date: 12/20/2024
Exp. Date: 12/19/2028
State Issued: Louisiana

ATSSA
Instructor Name
Instructor Signature

A1000272653
Verify at Flagger.com

ECM

Certifications:
M. David Waller

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

M. David Waller

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: *August 30-September 01, 2022*
Location: *Ridgeland, MS*

Hours of Instruction: 18

Instructor

Local Coordinator

Instructor

Thomas Harman, Director
National Highway Institute

State of Louisiana

Department of Transportation and Development

This certificate is presented to

M. David Waller

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) **on**

05/09/2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certifications:

Certificate of Attendance

Emilio Rodriguez

has participated in

Movable Bridge Inspection Workshop

and has been awarded 15 Professional Development Hours

November 7-9, 2012 Houma, Louisiana

Authorized By

Research, Technology Transfer, Education & Training

U.S. Department of Transportation Federal Highway Administration

National Highway Institute

Certificate of Training

Emilio Rodriguez

has Successfully Completed

FHWA-NHI-130053 Bridge Inspection Refresher Training

hosted by

Office of State Aid Road Construction

Date: August 30-September 01, 2022

Location: Ridgeland, MS

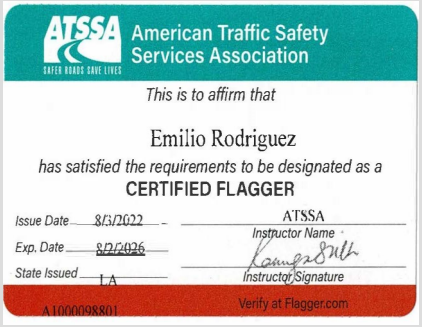
Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

Thomas Harman, Director National Highway Institute



ATSSA American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

Emilio Rodriguez

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/5/2022

Exp. Date 8/5/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

A1000098801

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Emilio Rodriguez

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

8/5/2022 to 8/5/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

NACE INTERNATIONAL INSTITUTE

Certificate of Achievement

The NACE International Institute Recognizes

Emilio M Rodriguez

As a Certified

NACE Coating Inspector Level 2

Executive Director NACE International Institute

Expires

August 4, 2027

Cert No.40575

450021

I UNITED STATES OF AMERICA XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME EMILIO MIYIZ RODRIGUEZ-MORALES

V ADDRESS 41262 HOLLAND RD PONCHATOULA LA 70454-6772

VI NATIONALITY USA

IVa D.O.B. 24 DEC 1971

SEX M HEIGHT 70 WEIGHT 230 HAIR BLACK EYES BROWN

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

I REMOTE PILOT

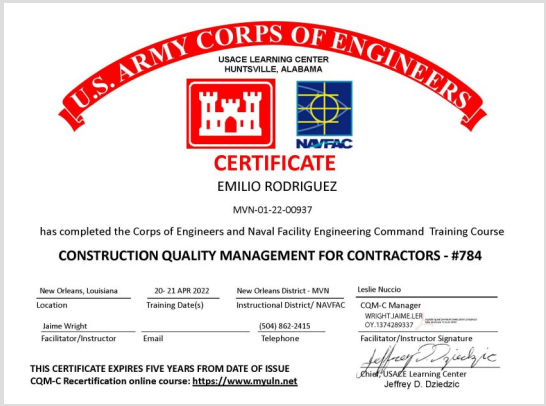
II CERTIFICATE NUMBER 4279811

X DATE OF ISSUE 25 JUN 2019

XIV

VIII ACTING ADMINISTRATOR

U S A



U.S. ARMY CORPS OF ENGINEERS

USACE LEARNING CENTER HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

EMILIO RODRIGUEZ

MVN-01-22-00937

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

New Orleans, Louisiana	20- 21 APR 2022	New Orleans District - MVN	Leslie Nuccio
Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager WRIGHT.JAIME.LER OY.1374289337
Jaime Wright		(504) 862-2415	
Facilitator/Instructor	Email	Telephone	Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

CQM-C Recertification online course: https://www.myuln.net

Chief, USACE Learning Center

Jeffrey D. Dziedzic

FAA Aviation Safety

Certificate of Achievement

This is to certify that

Emilio Miyiz Rodriguez-Morales

has successfully completed the

FAA Safety Team Aviation Learning Center Online Course

Part 107 Small Uas Recurrent

Course Number ALC-677

Presented by FAASTeam

August 5, 2025

Certificate Number 1218582-20250805-00677

Small UAS Certificate of Registration

Registered Owner: ECM Consultants, Inc.

UAS Manufacturer: SZ DJI TECHNOLOGY CO. LTD.

UAS Model: MAVIC 2 ZOOM (L1Z)

Serial Number: OM63HCK001Z049

Registration Number: FA3XFNCNYP

Issued: 03/26/2021 Expires: 03/26/2027

ECM

Certifications:
Kim Garlington P.E.

ATSSA American Traffic Safety Services Association

This is to affirm that

Kim Garlington

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 7/20/2023

Exp. Date 7/19/2027

State Issued LA

ATSSA

Instructor Name

Instructor Signature

A1000128978

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kim Garlington

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

8/18/2023 to 8/18/2027

Training Valid Through

New Orleans, LA

Location

Vice President of Education and Technical Services

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

U.S. ARMY CORPS OF ENGINEERS

USACE LEARNING CENTER
HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

Kim Garlington

MVS-07-22-00467

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

ST. LOUIS, MO	09 August 2022	MVS - ST. LOUIS DISTRICT	Jacob Prebianca
Location	Training Date(s)	Instructional District/ NAVFAC	CQM-C Manager
Jacob Prebianca	jacob.a.prebianca@usace.army.mil	(314) 331-8315	Jacob Prebianca Digitally signed by Jacob Prebianca Date: 2022.11.22 14:17:13 -06'00'
Facilitator/Instructor	Email	Telephone	Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

Director, USACE Learning Center

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Kim Martindale Garlington, P.E.

for successfully completing

The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) on

5/29/2025

DOTD

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ECM

Certifications: Zachary Collier, P.E.

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

nhi national highway institute

Certificate of Training

ZACHARY COLLIER

has participated in

FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers

hosted by

LA DOTD/LTRC

Date: *October 11-15, 2021* *Hours of Instruction:* 34
Location: *Baton Rouge, LA*

Instructor — Allison H. Landry, Local Coordinator

Instructor — Thomas Harman, Director, National Highway Institute

---

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

Zachary Collier

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 6/23/2023 — ATSSA
Exp. Date 6/22/2027 — *Instructor Name*
State Issued LA — *Instructor Signature*

A1000128119 — Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Zachary Collier
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

7/14/2023 to 7/14/2027
Training Valid Through

CEU: 0.75

Baton Rouge, LA
Location

Vice President of Education and Technical Training

President, CEO

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

American Traffic Safety Services Association ATSSA.com

STATE OF LOUISIANA

State of Louisiana

Department of Transportation and Development

This certificate is presented to

Zachary Collier

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) **on**
6/26/2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. ARMY CORPS OF ENGINEERS
USACE LEARNING CENTER
HUNTSVILLE, ALABAMA

NAVFAC

CERTIFICATE

ZACHARY COLLIER

MVN-01-22-00926

has completed the Corps of Engineers and Naval Facility Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS - #784

New Orleans, Louisiana — Location
20 - 21 APR 2022 — Training Date(s)
New Orleans District - MVN — Instructional District/ NAVFAC
Leslie Nuccio — CQM-C Manager
Jaime Wright — Facilitator/Instructor
Email
(504) 862-2415 — Telephone
Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE
CQM-C Recertification online course: https://www.myuln.net

Chief, USACE Learning Center
Jeffrey D. Dziedzic

ECM

UESI

TRENCHLESS TECHNOLOGY CENTER.

CERTIFICATE OF COMPLETION

THIS IS TO ACKNOWLEDGE THAT

Amy Schulze

HAS SUCCESSFULLY COMPLETED THE CLASSROOM AND FIELD TRAINING REQUIREMENTS, AND IS DULY AWARDED THE CERTIFICATE OF COMPLETION FOR

The 7th UESI Utility Investigation School

40 Professional Development Hours (4 CEUs)

Held in Ruston, LA, March 2-6, 2020

On this 6th day of March 2020

Tom Iseley, Ph.D., P.E., Dist. M. ASCE, PWAM
Professor Emeritus, Louisiana Tech University
Director of Development, Trenchless Technology Center
Chair, BAMI-I Board of Directors

LOUISIANA TECH UNIVERSITY

Andrew Sylvest
President-elect, Subsurface Utility Engineering (SUE) Association
Surveying And Mapping, LLC (SAM) SUE Discipline Lead
UESI/ASCE Subsurface Utility Engineering & Investigation Committee

---

ASFPM

ASSOCIATION OF STATE

FLOODPLAIN MANAGERS, INC.

CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Amy K. Schulze, CFM

IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-16-08839, ISSUED 1/29/2016. THIS CERTIFICATE SHALL EXPIRE 1/31/2022, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, LOUIS T. GREENWELL, CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM

ASFPM CFM® CERTIFIED

ATSSA TRAINED

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

Vice President of Education and Technical Services

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA

ATSSA American Traffic Safety Services Association ATSSA.com

---

uta
UTILITY TRAINING ACADEMY

Certific Completion

A certificate of completion with a seal

Description automatically generated

Davis

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
President, Utility Training Academy

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Captayn Chapman

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

UTILITY TRAINING ACADEMY

Certificate of Completion

Captayn D. Chapman

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
President, Utility Training Academy

ATSSA American Traffic Safety Services Association

This is to affirm that

Daniel Brooks

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 7/27/2022

Exp. Date 7/26/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

A10[illegible]

Verify at Flagger.com

NTBA

SURVEY. DESIGN. BUILD. SUCCEED.

I UNITED STATES OF AMERICA XI

DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

IV NAME
JEREMY SCOTT REPPOND

V ADDRESS 107 FOXCHASE DR
HAUGHTON LA 71037-7118

VI NATIONALITY USA

SEX	HEIGHT	WEIGHT	HAIR	EYES
M	57	180	BROWN	GREEN

IVa D.O.B. 20 MAR 1993

IX HAS BEEN FOUND TO BE PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II REMOTE PILOT

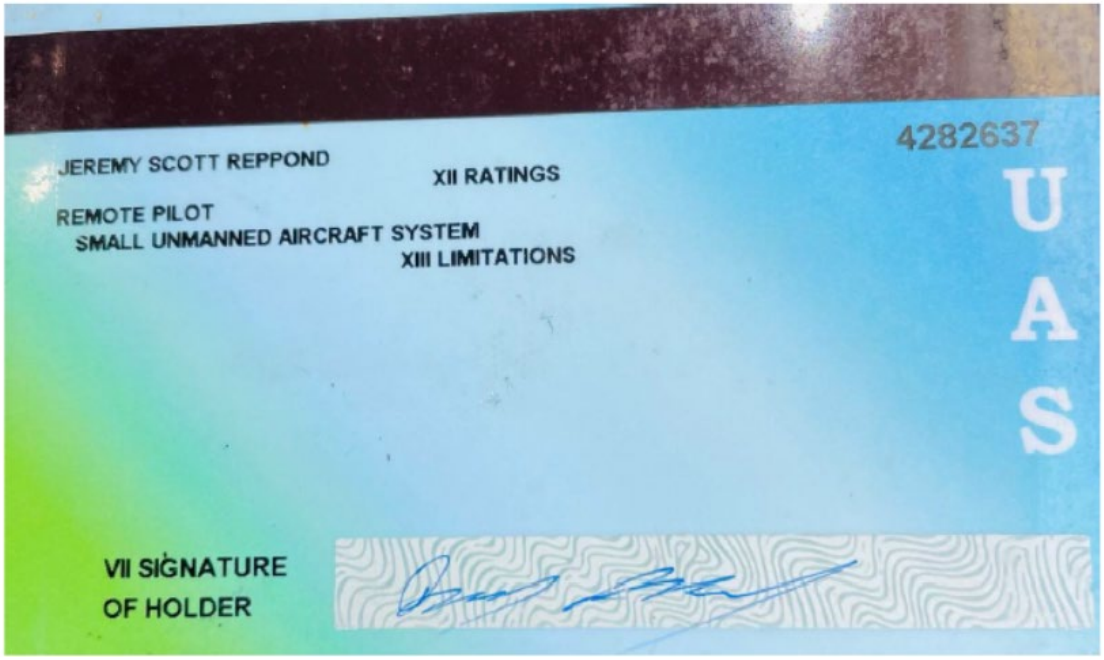
III CERTIFICATE NUMBER 4282637

X DATE OF ISSUE 2 JUL 2019

XIV

VIII ACTING ADMINISTRATOR

U A S



4282637

JEREMY SCOTT REPPOND

XII RATINGS

REMOTE PILOT
SMALL UNMANNED AIRCRAFT SYSTEM

XIII LIMITATIONS

VII SIGNATURE OF HOLDER

U A S

ATSSA TRAINED

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

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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American Traffic Safety Services Association ATSSA.com

NTBA
SURVEY. DESIGN. BUILD. SUCCEED.

ATSSA

Safer Roads Save Lives

James Ellingburg

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-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

Certificate of Completion

presented to

James Ellingburg

for completing the

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

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA

Safer Roads Save Lives

Jerry Lazenby

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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Noah Sampognaro

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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ATSSA.com

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Safer Roads Save Lives

Paul Fryer

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-OCT-2024

CEU (If Applicable): 0.75

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ATSSA.com

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Safer Roads Save Lives

Ronald Riggin

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

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American Traffic Safety Services Association
ATSSA.com

ATSSA

Safer Roads Save Lives

Ryan Spillers

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 19-JUL-2024

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.
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American Traffic Safety Services Association
ATSSA.com

Certificate of Completion

presented to

Ryan Spillers

for completing the

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

Date: August 11 – 12, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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
CDM SMITH INC.	Business Corporation (Non-Louisiana)	BOSTON	Active

Previous Names

CAMP DRESSER & MCKEE INC. (Changed: 12/15/2011)

Business: CDM SMITH INC.
Charter Number: 31231240F
Registration Date: 12/30/1975

Domicile Address
75 STATE STREET, SUITE 701
BOSTON, MA 02109

Mailing Address
75 STATE STREET, SUITE 701
BOSTON, MA 02109

Principal Business Office
75 STATE STREET, SUITE 701
BOSTON, MA 02109

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 12/30/1975
Last Report Filed: 12/1/2025
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent:	C T CORPORATION SYSTEM
Address 1:	3867 PLAZA TOWER DR.
City, State, Zip:	BATON ROUGE, LA 70816
Appointment Date:	12/30/1975

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
ECM CONSULTANTS, LLC	Limited Liability Company (Non-Louisiana)	DOVER	Active

Previous Names

Business: ECM CONSULTANTS, LLC
Charter Number: 47022374Q
Registration Date: 5/12/2026

Domicile Address
8 THE GREEN
STE A
DOVER, DE 19901

Mailing Address
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Principal Business Office
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 5/12/2026
Last Report Filed: N/A
Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM

State of Louisiana Secretary of State

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

Name	Type	City	Status
EUSTIS ENGINEERING L.L.C.	Limited Liability Company	METAIRIE	Active

Previous Names

EUSTIS ENGINEERING SERVICES, L.L.C. (Changed: 3/31/2016)

Business: EUSTIS ENGINEERING L.L.C.
Charter Number: 36251453K
Registration Date: 8/17/2006
Domicile Address
3011 28TH STREET
METAIRIE, LA 700026019
Mailing Address
C/O GWENDOLYN P. SANDERS
3011 28TH ST.
METAIRIE, LA 700026019

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/17/2006
Last Report Filed: 7/23/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: GWENDOLYN SANDERS
Address 1: 3011 28TH STREET
City, State, Zip: METAIRIE, LA 700026019
Appointment Date: 3/16/2020

Officer(s)

Additional Officers: No

Officer: GWENDOLYN P. SANDERS
Title: Manager
Address 1: 3011 28TH STREET
City, State, Zip: METAIRIE, LA 70002

Officer: JAMES HANCE
Title: Manager
Address 1: 3011 28TH STREET

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
LAZENBY & ASSOCIATES, INC.	Business Corporation	WEST MONROE	Active

Previous Names

HARRISON AND LAZENBY, INC. (Changed: 1/1/1995)

Business: LAZENBY & ASSOCIATES, INC.
Charter Number: 33702440D
Registration Date: 1/5/1982

Domicile Address

2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Mailing Address

C/O JERRY G. LAZENBY
2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Principal Office Address

2000 N. SEVENTH ST.
WEST MONROE, LA 71291

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 1/5/1982
Last Report Filed: 12/8/2025
Type: Business Corporation

Registered Agent(s)

Agent: JERRY G. LAZENBY
Address 1: 2000 N. SEVENTH ST.
City, State, Zip: WEST MONROE, LA 71291
Appointment Date: 1/5/1982

Officer(s)

Additional Officers: No

Officer: PAUL D. FRYER
Title: Vice-President
Address 1: 2000 N. SEVENTH ST.
City, State, Zip: WEST MONROE, LA 71291

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
MODJESKI AND MASTERS, INC.	Business Corporation (Non-Louisiana)	NEW ORLEANS	Active

Previous Names

Business: MODJESKI AND MASTERS, INC.
Charter Number: 34396692F
Registration Date: 12/27/1991
Domicile Address
1100 POYDRAS ST., SUITE 900
NEW ORLEANS, PA 70163
Mailing Address
100 STERLING PARKWAY, SUITE 302
MECHANICSBURG, PA 17050
Principal Business Office
100 STERLING PARKWAY, SUITE 302
MECHANICSBURG, PA 17050
Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816
Principal Business Establishment in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 12/27/1991
Last Report Filed: 12/1/2025
Type: Business Corporation (Non-Louisiana)

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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

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Name	Type	City	Status
MARMILLION GRAY MEDIA, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: MARMILLION GRAY MEDIA, INC.
Charter Number: 35935615D
Registration Date: 5/9/2005

Domicile Address

2333 WISTERIA STREET
BATON ROUGE, LA 70806

Mailing Address

C/O RANNAH GRAY
P.O. BOX 65346
BATON ROUGE, LA 70896

Principal Office Address

2333 WISTERIA STREET
BATON ROUGE, LA 70806

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 5/9/2005
Last Report Filed: 5/27/2026
Type: Business Corporation

Registered Agent(s)

Agent: RANNAH GRAY
Address 1: 2333 WISTERIA STREET
City, State, Zip: BATON ROUGE, LA 70806
Appointment Date: 5/9/2005

Louisiana SECRETARY OF STATE NANCY LANDRY

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Name	Type	City	Status
STANLEY CONSULTANTS, INC.	Business Corporation (Non-Louisiana)	MUSCATINE	Active

Previous Names

Business: STANLEY CONSULTANTS, INC.
Charter Number: 34562879F
Registration Date: 6/12/1997

Domicile Address

225 IOWA AVE.
MUSCATINE, IA 52761

Mailing Address

225 IOWA AVE.
MUSCATINE, IA 52761

Principal Business Office

225 IOWA AVE.
MUSCATINE, IA 52761

Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR
BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

700 MAIN STREET
SUITE 405
BATON ROUGE, LA 70802

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 6/12/1997
Last Report Filed: 6/9/2026
Type: Business Corporation (Non-Louisiana)

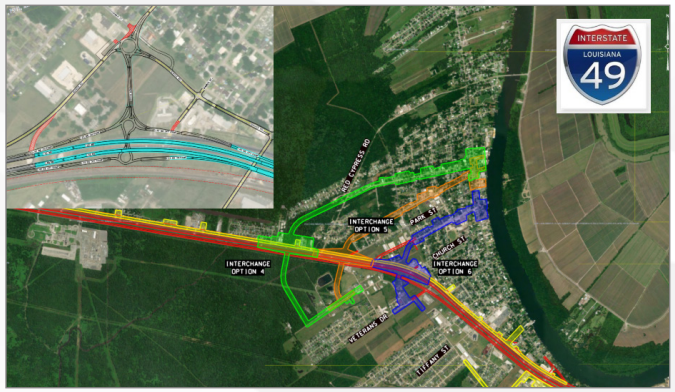
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

21

Our extensive project portfolio — some illustrated here — demonstrates why we are LADOTD's most trusted partner for Environmental Compliance services. No other consultant combines statewide reach with our depth of environmental expertise and commitment to successful project delivery. Arcadis has delivered **15+** EAs, EIS and other NEPA documents in Louisiana.



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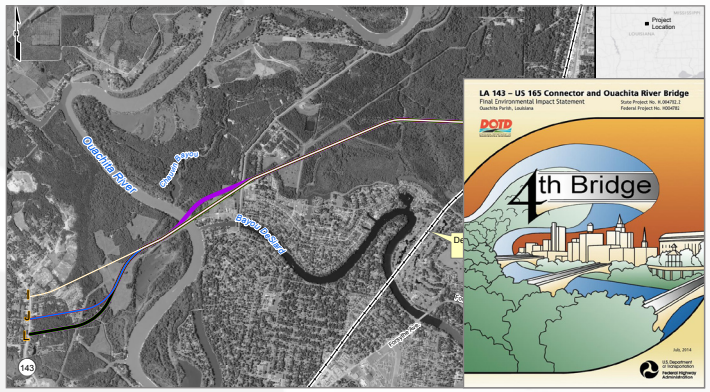

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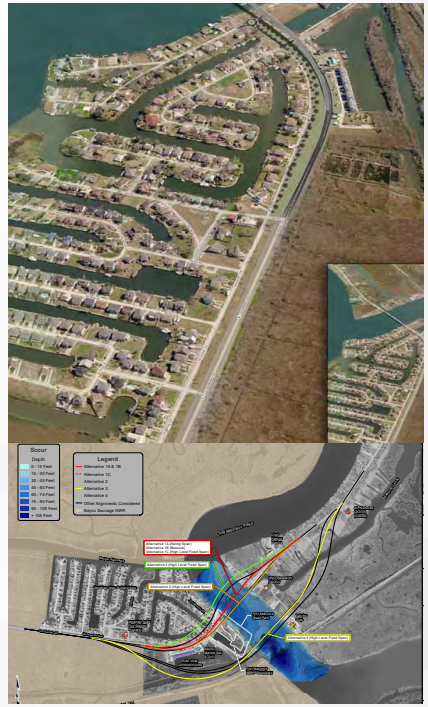
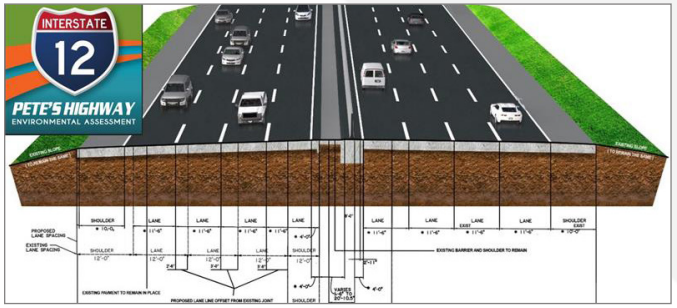


Chef Menteur Bridge and Approaches Environmental Assessment (EA)



Pete's Highway (LA 16) and I-12 Interchange EA

US 11 Norfolk Southern Railroad EA

"I have just read through this document and want to compliment both of you on the excellent job that you and the project team did! The narrative portion is very detailed, yet written in a manner that lay people can easily understand, and the visuals are very clear and easy to read. I also like the way that you placed all three alternatives side-by-side on the aerial maps, which allows for an easy comparison as you look at each section of the project. I very much appreciate the great job y'all have done with the entire process to this point, and I look forward to the timely completion of the remaining steps in this stage!"

- Nicholas Verret, LA 6 El Camino Corridor Widening EA Project

Stronger Together.
Delivering More.

ARCADIS

QUALITY CONTROL / QUALITY ASSURANCE

Bridge Design

IDIQ CONTRACT FOR ENGINEERING AND TECHNICAL SUPPORT SERVICES, STATEWIDE

CONTRACT NOS. 4400035363, 4400035364, 4400035365, 4400035366, AND 4400035367

Prepared For

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Appendix I — Consultant Project Submittal QA/QC Certification

Appendix J — Project Activity Log Sheet

Consultant Submittal Review Checklist

1. Introduction

This Project Quality Assurance/Quality Control Plan establishes the minimum requirements for Quality Assurance (QA) and Quality Control (QC) for bridge design tasks assigned under this contract, including the preparation of a bridge concept study and preliminary and final plans, if authorized. It provides the project team with guidance on responsibilities and procedures for the QA/QC process. Any individual who performs work on this project shall comply with these minimum requirements. The QA/QC requirements shall be implemented for all design activities in the planning/environmental phase and the design phase of the project. The QA/QC requirements shall be implemented for all load rating activities of any tasks.

This Quality Control Management Plan (QMP) provides an overview of the project's basic quality processes and the procedures established to implement them. The general procedures outlined herein are recommended for use in all tasks, including the management of our subconsultant's work products.

This QMP is consistent with the requirements of the State of Louisiana Department of Transportation and Development (DOTD) *Bridge Design and Evaluation Manual* (Revision No. 9) and the FHWA/AASHTO *Guidance on **QC/QA in** Bridge Design in Response to NTSB Recommendation (H-08-17)* (August 2011) documents.

Any questions about this Project QA/QC Plan should be directed to the Project Manager (PM). The PM should be contacted if there are quality-related issues or concerns, or if any aspects of the project appear inconsistent with the quality principles and procedures described in this Project QA/QC Plan.

2. Definition of Terms and Positions

QC: Procedure for checking the accuracy and consistency of the calculations and the drawings, detecting and correcting design omissions and errors before the design plans are finalized, and verifying that the specifications for load-carrying members are adequate for the service and operation loads.

QA: Procedure for reviewing the work to ensure the QC procedures are in place and effective in preventing mistakes, and consistency in the development of bridge design plans and specifications.

Designer: The engineer is directly responsible for developing design calculations, drawings, special provisions, and cost estimates. The designer must be either a licensed professional engineer or an engineer intern.

Checker: An engineer responsible for performing a full technical review of the design calculations, special provisions, drawings, and cost estimates. Must be either a licensed professional engineer or an engineer intern; however, if the designer is an engineer intern, the design checker must be a professional engineer.

Design Back-Checker: Typically, the designer. If the designer is unavailable, the design back-checker must coordinate with the checker to ensure all noted changes are agreed to. The design back checker must be either a licensed professional engineer or an engineer intern; however, if the checker is an engineer intern, the design back-checker must be a professional engineer.

Detail Back-Checker: Engineer responsible for performing a full review of the drawings. Must be either a licensed professional engineer or an engineer intern; however, if the checker is an engineer intern, the detail back-checker must be a professional engineer.

Updater: Individual responsible for updating the design calculations or plans to reflect all agreed-upon changes. (For design calculations, typically the designer; for plans, typically the detailer.)

Verifier: Individual (usually the checker) responsible for verifying that all changes or additions to a drawing, calculation, report, or graphic element have been accurately incorporated.

Reviewer: Engineer responsible for ensuring that the QC process has been followed as outlined.

Detailer: An individual responsible for preparing drawings.

Supervisor or Team Leader: Project manager or task assignee responsible for overseeing the project and staff on the project.

Engineer of Record (EOR): The engineer responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions if required.

Quality Project Manager (QPM)/Quality Task Manager (QTM): An individual responsible for conducting audits and ensuring QC plans are adhered to. The QPM is responsible for the entire project and all aspects, and the QTM is responsible for each task.

Independent Technical Reviewer: An engineer who completes an independent review of the drawings and/or calculations. An independent technical reviewer is part of the consultant team but not the design team. The engineer must have experience reviewing tasks that meet or exceed those of the designer and/ or checker.

Peer Review: An independent engineering entity with no prior involvement in the project either checks the designs by producing an independent set of calculations based on the drawings or performs the review as specified in the scope of work. Peer reviewers may not be employed by the same consultant as the designer or design checker. Peer reviews are typically performed between the 60% and 98% final plan stage, depending on the scope of the review.

Audit: A systematic, independent, and documented activity performed to verify that applicable elements of the OMP have been effectively implemented and documented in accordance with the specific requirements.

Constructability Review: A design review performed by the contractor or appropriate construction services personnel to assess the feasibility of the proposed design from a construction perspective.

Design Criteria: A set of project-specific parameters that define the design requirements, specifications, and functional classifications of the project.

Inter-Discipline Review: A discipline-specific design review of a design package by all applicable design disciplines.

Quality Records: A completed document or record-keeping evidence of successful implementation of any given aspect of the QMP.

3. Consultant Responsibilities

Arcadis U.S., Inc. (Arcadis) is fully responsible for the QA/QC of its work and the work of its sub-consultants and is also responsible for all expenses incurred as a result of omissions, ignorance, or errors. The DOTD is not responsible for the QA/QC of its consultants' work. The individual roles, responsibilities, and requirements of the Arcadis design team are described in Section 5. All personnel working on any task order shall follow the design policies and procedures described herein.

4. Summary of Project Scope of Work

The Consultant shall perform engineering and related services, and other technical services as needed, to support project delivery and administration. The Consultant may also be required to perform work of a specialized nature. Services may be in limited support of one specific aspect of project delivery or administration, or may be comprehensive project services. Services may include, but are not limited to, the following:

1. Project Management and Support

Provide project support necessary to assist DOTD in fulfilling project requirements and commitments.

- Schedule, attend, and/or conduct project meetings
- Participate in value engineering and cost risk schedule assessments
- Develop Project Management Plans (PMP)
- Develop Initial Financial Plans (IFP)
- Support DOTD in development of grant applications and agreements
- Support DOTD in drafting of miscellaneous project agreements

2. Quality Control Reviews and Peer Reviews

Provide reviews necessary to verify the accuracy of project submittals and/or reports.

- Perform independent peer reviews of designs and calculations
- Perform engineering reviews for plans and special provisions

3. Environmental and Permitting Services

Provide environmental services necessary to obtain project environmental approvals, reevaluations, and permits, and to support mitigation compliance.

- Provide services in support of NEPA and related laws and regulations
- Develop permit applications and/or associated supporting documentation
- Provide services in support of mitigation compliance
- Perform material sampling and testing (e.g., air monitoring, groundwater, soil, bridge coatings)

4. Traffic Engineering and Design Services

Provide traffic engineering and design services necessary to analyze traffic impacts and design traffic and geometric solutions.

- Collect traffic data
- Develop and utilize traffic models to inform and justify project solutions
- Perform traffic control analysis and design
- Develop traffic intersection control, signing, and pavement marking designs
- Perform geometric designs and provide geometric reviews
- Develop Transportation Management Plans (TMP)
- Develop Access Justification Reports (AJR), either through an Interchange Justification Report (IJR) or an Interchange Modification Report (IMR)

5. Surveying Services

Provide surveying services necessary to provide project design information and support right-of-way acquisition.

- Perform topographic and bathymetric surveying
- Develop drainage maps
- Perform boundary surveying
- Perform title take-offs and other associated title work
- Develop right-of-way maps

6. Subsurface Utility Engineering and Utility Relocation

Provide subsurface utility engineering and utility relocation support services necessary to identify, avoid, and/or relocation utilities.

- Perform all SUE Quality Levels (A-D)
- Perform utility oversight and coordination
- Develop utility conflict matrices

7. Geotechnical Engineering Services

Provide geotechnical services necessary to perform geotechnical investigations, analysis, and design.

- Perform geotechnical field investigations (e.g., deep and shallow borings, CPTs)
- Perform geotechnical laboratory testing and analysis
- Provide geotechnical analysis and design
- Provide construction related services (e.g., field construction monitoring and analysis)

8. Roadway Design and Hydraulic Engineering Services

Provide roadway design and hydraulic services necessary to develop roadway and drainage solutions.

- Provide hydraulic analysis and design
- Develop type, size, and location parameters for drainage structures
- Develop project design criteria
- Provide roadway design

9. Bridge Design Services

Provide bridge design services necessary to develop bridge and structural solutions.

- Perform bridge and structural inspection and evaluation of existing bridges and structures
- Provide bridge and structural analysis and design
- Develop as-designed, as-built, and condition bridge ratings

10. Plan Development and Letting Support Services

Provide plan development and letting support services necessary to receive bids on projects.

- Develop project plans in accordance with project needs and requirements
- Schedule, conduct, and/or participate in plan review meetings
- Provide responses to bidder inquiries and update contract documents as needed

11. Construction Support

Provide construction related engineering support services necessary to support project construction activities.

- Provide construction drawing reviews
- Review and provide responses to Requests for Information (RFIs)
- Review and provide responses to Value Engineering Proposals and Contractor Proposals
- Review and provide responses to Non-Conformance Reports (NCRs)
- Provide updated contract documents as needed

12. Other Services

Provide other related engineering, technical, and professional services necessary to support project delivery and administration.

- Tolling implementation, design, and support services
- ITS design and support services

- Roadway and aesthetic lighting design
- Graphic design and professional presentation material development
- Public relations and communication advisory services
- Alternative delivery technical services
- Other services as directed and developed in coordination with the DOTD Project Manager

5. Project Team

Arcadis will be the prime consultant for the project. Arcadis will manage the contract and is responsible for Project Management, Environmental, Bridge Design and Hydraulic Engineering, Roadway Design, Traffic, Plan Production, and overall QA/QC of the design documents.

Sub-consultants **NTB Associates, Inc.** and **Lazenby & Associates, Inc.**, will be responsible for surveying, with NTB Associates also providing subsurface utility engineering (SUE) and Lazenby proving roadway design support. **Eustis Engineering LLC** and **Ardaman & Associates, Inc.** will provide geotechnical services. **Modjeski & Masters, Inc**. will provide bridge design support and aesthetic lighting design, and **Stanley Consultants, Inc**. will provide roadway design support. Additional subconsultants **CDM Smith Inc.** will be responsible for tolling studies, financial plan support and environmental support. **Marmillion Gray Media, Inc.** will lead public involvement and graphics and presentations, and **ECM Consultants, LLC** will be responsible for construction support.

Arcadis will be fully responsible for the project's overall QA/QC. The key team members and roles are described below, but listed here for easy reference:

Title/Role	Name	Company
Project Manager	Akhil Chauhan, PE, PMP	Arcadis
Deputy Project Manager	Jason Morrell, PWS	Arcadis
Quality Manager	Henning von Mantey	Arcadis
Quality Review Team	Jonathan Reid, PE, PTOE, RSP *(Alternative Technical Concepts)*	Arcadis
	Jesse Tisdale, PE *(Roadway)*	Stanley
	Kristen Kasmire, PE *(Bridge)*	Arcadis
	Cullen Ledet, PE *(Lighting)*	Modjeski & Masters
	Suhil Bagighni, PE *(Alternative Project Delivery)*	N-Y Associates, Inc.
	Ari Deitch, PE, PTOE, PTP, RSP *(Traffic)*	Arcadis
	Braulio Rameriz, PE *(ITS)*	Arcadis

Staff qualifications for QC/QA roles and qualification information for team support staff are described in the 24-102 form for this proposal.

Project Team Communications/Coordination:

As Project Manager, Akhil Chauhan will be the team's administrative and technical point of contact for the DOTD. All team communications to DOTD will be through Mr. Chauhan or his designee on a case-by-case basis, or at DOTD's request.

The details of the QC/QA plan described below apply to the current project based on the scope of services requested. The overall QC/QA plan shall be amended in case additional services are added to the contract through amendments or extensions.

6. Design Criteria

The design criteria and the project objectives will be discussed in the Consultant Kick-Off Meeting. The design criteria will be created in accordance with the latest versions of the following documents:

- AASHTO LRFD Bridge Design Specifications
- DOTD Bridge Design Manual
- DOTD Bridge Design Technical Memoranda
- DOTD Minimum Design Guidelines
- AASHTO Geometric Design of Highways and Streets

The design criteria shall include.

- Governing Design and Construction Specifications and Other References
- Design Assumptions and Design Exceptions
- General Information
- Hydraulic Design Criteria
- Design Factors
- Design Loads
- Limit States
- Bridge Barrier
- Guardrail
- Approach Slab
- Deck and Deck Drainage
- Superstructure
- Substructure
- Piles
- Geotechnical Design
- Software

7. Design Team

As project manager, Mr. Chauhan will be responsible for Quality Assurance, i.e., assuring that the QC Plan is implemented. He will also serve as the administrative and technical point of contact for the Arcadis team.

Victor Sanchez, PE of Arcadis, will lead the structural design team for all bridge design services. Mr. Sanchez's qualifications are clearly summarized in the attached 24-102 forms. He will be in charge of bridge and structural inspection, bridge and structural analysis and design, and developing all bridge ratings.

Jose L. Rodriguez, PE of Arcadis, will lead the roadway design and hydraulic engineering efforts for the project. He and his team are responsible for developing project design criteria, roadway design, hydraulic analysis and design, drainage design, and preliminary and final plan production. His credentials are also well highlighted in the relevant section of the 24-102 form.

Kristen Kasmire, PE of Arcadis will serve as the overall Quality Control Advisor for bridge and other structural design elements. She will perform a detailed review of the contract documents, including the plan sets and specifications. Her credentials are also highlighted in the relevant section of the 24-102 form.

Henning von Mantey of Arcadis will serve as the Quality Manager for the project responsible for providing independent oversight of the project's quality program and ensuring that the established QA/QC procedures are consistently implemented across all disciplines and deliverables.

8. Bridge Plans Development

Before design efforts are initiated, proposed design criteria for roadway and bridge structures shall be reviewed and approved by the DOTD. Approval will be memorialized in a memorandum. Any changes to the design criteria will be reflected in a revised version that conforms to the expectations in DOTD Policy on Quality Control and Quality Assurance (DOTD Policy) Appendix A. Any changes will be distributed to team members via the Project Manager. The designer will maintain the calculations used in the design process and ensure they are consistent with the DOTD calculation book checklist in Appendix B of the DOTD Policy. Key meeting decisions and communicated information will be memorialized in the meeting records and circulated via email to the design team.

Both the designer and detailer are responsible for conducting an initial self-check of their own work product. They and other support staff preparing deliverables will be required to affix their name at "prepared by" to denote responsibility on the Arcadis QC/QA Acknowledgement Form. (See Section 10 for an example of the form)

9. QC Team

Quality Control (QC) activities are those related to checking the accuracy and consistency of materials developed for the contract. Arcadis and its sub-consultants are fully responsible for all QC of deliverables. DOTD is not responsible for the quality of any contract deliverables. Ms. Kasmire of Arcadis will check all bridge and structural design deliverables. Ms. Kasmire has extensive experience in structural design and in preparing plans and specifications for a wide variety of bridges nationwide. Her qualifications are clearly summarized in the attached 24-102 form. She will also lead the QC effort to ensure compliance with the DOTD bridge design guidelines. As a design checker, she will perform a full technical review of the design calculations, plan and profile drawings, and cost estimate. She will also ensure that the plans reflect the most current information shown in the design criteria. Henning von Mantey of Arcadis will serve as the Quality Manager and provide independent oversight of the project's quality program to help ensure that the established QA/QC procedures are consistently

implemented across all disciplines and deliverables, that milestone reviews are completed, and that review comments are tracked and resolved in a timely manner.

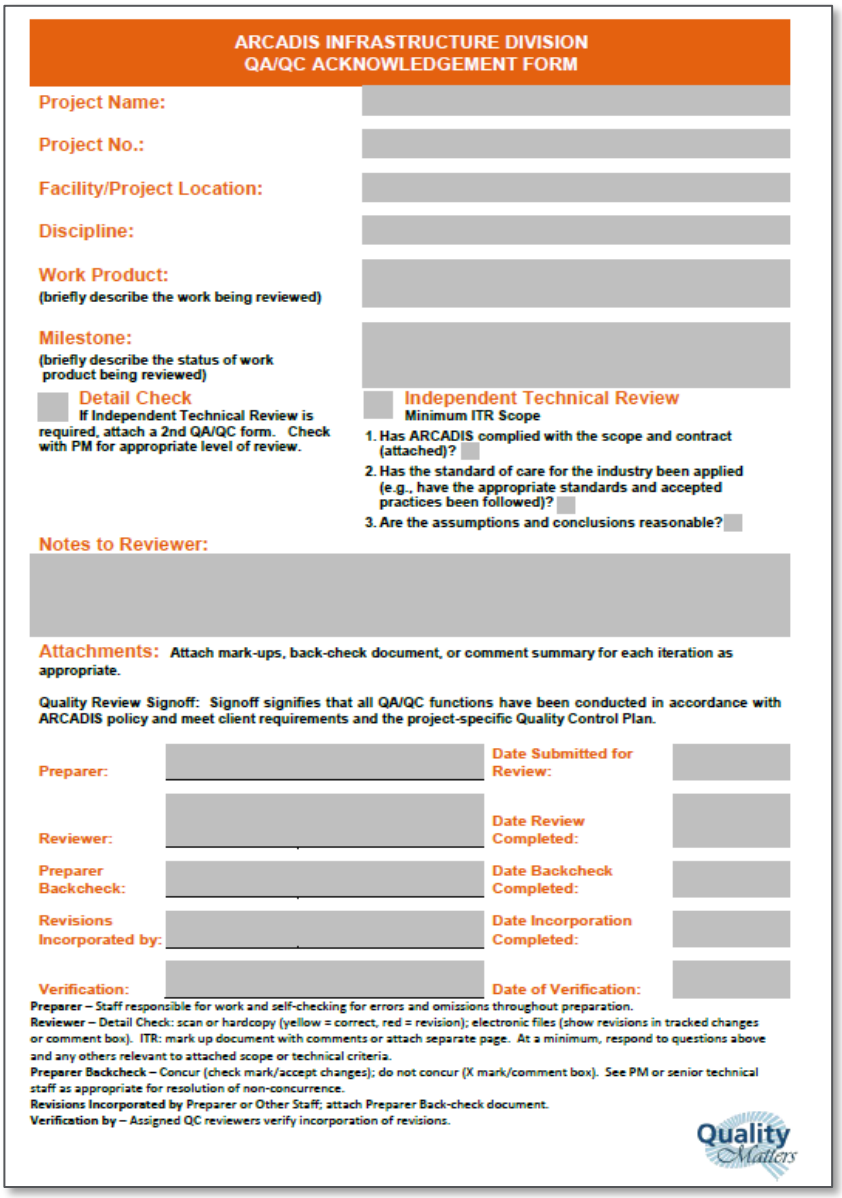
10. QC Review

Based on Arcadis' practice and established workflow on previous DOTD projects, it is recommended that the review be initiated and completed at the end of each design stage. Individual pieces of the design, carried out throughout the project, shall be subjected to QC review before being transmitted or presented to DOTD. A color-coding procedure will be used on plans, calculations, and report work products to document responsibility and work-checking, back-checking, comment incorporation, and change verification. The Arcadis Mobility Bridge Group color codes will be implemented for this entire project, which is explained below:

Color Code	Action	Responsibility
Yellow Highlight	Item is Correct	Checker/reviewer
Red Pencil	Delete, Error and Correction, Addition, Comment	Checker/reviewer
Green Pencil	Has been resolved, (use check); additional changes	Designer
Blue Pencil	Resolution of error or comment addressed and corrected on the original document	Checker/reviewer
Orange Highlight	Revision has been made	CADD/other

DOTD checklists will be used by both the design and QC teams in the preparation and review of project design criteria, final calculations, and the QA Packet. Arcadis uses a Quality Matters QA/QC Acknowledgement Form to document milestone reviews, which is combined with QC stamps that provide lines for the checker, author/designer resolution, and comment incorporation verification. This form will be used extensively during each QC review of individual design components involved in the project.

Proper QC procedures should minimize the need for superseding calculations. However, any such calculations will be carefully coordinated by the Designer to ensure proper disposition. All such changes will be documented on the Project Activity Log Sheet as appropriate.



ARCADIS INFRASTRUCTURE DIVISION
QA/QC ACKNOWLEDGEMENT FORM

Project Name:

Project No.:

Facility/Project Location:

Discipline:

Work Product:
(briefly describe the work being reviewed)

Milestone:
(briefly describe the status of work product being reviewed)

☐ Detail Check
If Independent Technical Review is required, attach a 2nd QA/QC form. Check with PM for appropriate level of review.

☐ Independent Technical Review
Minimum ITR Scope
1. Has ARCADIS complied with the scope and contract (attached)? ☐
2. Has the standard of care for the industry been applied (e.g., have the appropriate standards and accepted practices been followed)? ☐
3. Are the assumptions and conclusions reasonable? ☐

Notes to Reviewer:

Attachments: Attach mark-ups, back-check document, or comment summary for each iteration as appropriate.

Quality Review Signoff: Signoff signifies that all QA/QC functions have been conducted in accordance with ARCADIS policy and meet client requirements and the project-specific Quality Control Plan.

Preparer:		Date Submitted for Review:	
Reviewer:		Date Review Completed:	
Preparer Backcheck:		Date Backcheck Completed:	
Revisions Incorporated by:		Date Incorporation Completed:	
Verification:		Date of Verification:	

Preparer – Staff responsible for work and self-checking for errors and omissions throughout preparation.
Reviewer – Detail Check: scan or hardcopy (yellow = correct, red = revision); electronic files (show revisions in tracked changes or comment box). ITR: mark up document with comments or attach separate page. At a minimum, respond to questions above and any others relevant to attached scope or technical criteria.
Preparer Backcheck – Concur (check mark/accept changes); do not concur (X mark/comment box). See PM or senior technical staff as appropriate for resolution of non-concurrence.
Revisions Incorporated by Preparer or Other Staff; attach Preparer Back-check document.
Verification by – Assigned QC reviewers verify incorporation of revisions.

Form used to document Arcadis milestone QC reviews.

11. QA Information Package

Upon satisfactory completion of the design and detail checks, the designer is required to prepare the QA Information Package using the DOTD-approved checklist (Appendix C of the DOTD Policy). This package includes the following items:

- QA information package checklist;
- Calculation book;
- Plans;
- Special provisions including Non-Standard items;
- Cost estimates; and
- Relevant documents, such as checklists, review comments, etc., that were used by the designer, design checker, detailer, and detail checker.

The designer is responsible for providing this package to the Reviewer for his further use before the submittal milestones. Should there be any revisions to the plans or calculations after this submittal, the designer shall revise the QA Information. Package and inform the Reviewer of the changes and provide him with the revised information.

12. QA Process

Quality Assurance (QA) activities are those related to reviewing work to ensure QC procedures are in place and effective. Arcadis is wholly responsible for all QA activities of team deliverables. Project Manager Akhil Chauhan, PE, PMP, is ultimately responsible for ensuring that the QC Plan is implemented and that the Reviewer has completed all review steps. DOTD is not responsible for assuring that the QC Plan is implemented or for maintaining documentation of QC reviews and related information. The Arcadis team and its sub-consultants are solely responsible for maintaining all administrative and technical files for the project archives.

Mr. Chauhan will coordinate with the Reviewer as required and maintain a record of QC forms, including the DOTD checklists, QC/QA certification, Arcadis review forms, and other relevant information. Quality Manager Henning von Mantey will support this effort by providing independent oversight of the QA process, confirming that milestone reviews have been completed, and helping verify that review comments and supporting documentation are properly tracked and maintained. Once the Quality Manager confirms that the Reviewer has completed the QA process, design documents, including reports, design calculations, plans, special provisions, and cost estimates, shall be considered final.

13. QC/QA Certificate

After the QA process by the Reviewer, the QC/QA certificate (Appendix D of the DOTD Policy) shall be signed by the designer, design checker, detailer, detail checker, and reviewer. This form will be included in the project's central files maintained by the Project Manager.

14. Archiving Design Files

Mr. Chauhan shall be responsible for transmitting all deliverables to DOTD. All deliverables will be transmitted via DOTD ProjectWise or another file transfer system if requested by DOTD. Mr. Chauhan will maintain digital files of all final deliverables on a SharePoint cloud-based server. Paper copies of these materials will also be maintained by the Project Manager in the project files repository and moved to off-site archives in accordance with DOTD's

document retention policy and Arcadis' retention policies, as appropriate. Retained files will include final, approved deliverables, calculation books, plans, special provisions, cost estimates, and other pertinent documents in accordance with the Bridge Design Section records retention policy, as well as contract documentation, QC/QA records, correspondence, and other materials per Arcadis' records retention policy.

15. Reference Material

Arcadis will use the following reference materials in our QC/QA process:

- AASHTO LRFD Bridge Design Specifications
- DOTD Bridge Design & Evaluation Manual
- DOTD Bridge Design Technical Memoranda
- AREMA Manual for Railway Engineering
- DOTD Roadway Design Procedures and Details
- DOTD Minimum Design Guidelines
- AASHTO Geometric Design of Highways and Streets
- DOTD Policy on Quality Control and Quality Assurance
- Arcadis Policy on Records Retention and Management
- Arcadis Infrastructure Division Quality Matters Program

16. Software

A pre-approved list of software is posted on the DOTD Bridge Design Section website under downloads (Appendix N of the DOTD Policy). If any other software is required for unique applications for which pre-approved software cannot be used, a synopsis of the software should be submitted to the Bridge Design Engineer Administrator for approval prior to use. The synopsis shall include the name of the software and the developer, a general description of the functions, a certification from the software developer stating that it is maintained in accordance with the latest AASHTO LRFD Bridge Design Specifications, and an account of the requester's experience and the experience of other organizations or agencies that use the software. Data/results from in-house software will not be accepted as part of the delivery.

17. Deliverables

A deliverables schedule will be developed at the Consultant Project Kick-Off Meeting in accordance with other actions listed in the Consultant Project Kick-Off Meeting Agenda Checklist (Appendix H) of the DOTD Policy. This schedule will be reviewed regularly by the Project Manager, Akhil Chauhan, for opportunities to reduce activity durations and expedite delivery.

Deliverables, schedules, quality reviews, financials, and other topics are addressed monthly during a Monthly Project Progress Review Meeting between Arcadis Project Managers and Operations Managers near the monthly financial close period. An internal consultant QC milestone schedule will also be developed in association with this delivery schedule. The Project Manager will maintain it for the consultant team's review and scheduling. Deliverables will be internally reviewed for correctness and completeness before DOTD submittal and will be accompanied by a Consultant Submittal (QC/QA) Certification form (Appendix I of the DOTD Policy).

APPENDICES

DOTD POLICY ON QUALITY CONTROL AND QUALITY ASSURANCE

Design Criteria Checklist

(Appendix A of DOTD Policy on Quality Control and Quality Assurance)

Design criteria for each project shall include, but not be limited to, the following sections:

_____ **Cover sheet**

The following information must be included on the cover sheet:

- DOTD project number
- Project name
- Revision date
- The Supervisor or Team Leader's signature and date

_____ **Governing Design and Construction Specifications and Other References**

A list of governing design and construction specifications and other references used for the project shall be included in this section. The edition number, interim revisions, and/or publication date must be specified for each reference.

_____ **Design Assumptions and Design Exceptions**

All design assumptions and design exceptions received must be included in this section, along with supporting documents.

_____ **General Information**

The general information, as listed below, should be included in this section:

- Bridge information (no. of bridges, bridge clear width, length, no. of lanes, lane width, shoulder width, etc.)
- Road information (roadway classifications, design speed, traffic data, etc.)
- Vertical datum
- Vertical and horizontal clearances
- Other relevant information

_____ **Hydraulic Design Criteria**

All hydraulic design criteria (design year, design water elevations, scour depth and scour elevation, etc.) shall be included in this section, and the information shall be provided by the Hydraulic Engineer.

_____ **Design Factors**

The ductility factor ηD, redundancy factor ηR, and operational importance factor ηI shall be listed in this section.

_____ **Design Loads**

All design loads (dead load, live load, wind load, thermal loads, vessel collision loads, seismic load, wave loads, etc.) used for the project shall be included in this section.

_____ **Limit States**

All applicable limit states for this project shall be listed in this section.

_____ **Bridge Barrier**

The design criteria, types, and test levels for bridge barriers shall be listed in this section. Standard plans and special details should be listed if they are utilized.

_____ **Guardrail**

The design criteria, types, and test levels for guardrails shall be listed in this section. Standard plans and special details should be listed if they are utilized.

_____ **Approach Slab**

Design criteria for approach slab shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Deck and Deck Drainage**

All design criteria for deck and deck drainage design shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Bearing**

All bearing types and design criteria for each bearing type shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Joint**

All joint types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Superstructure**

All superstructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Substructure**

All substructure types and design criteria for each type shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Piles and Drilled Shafts**

All pile types, sizes, and structural design criteria shall be included in this section. Standard plans and special details should be listed if they are utilized.

_____ **Geotechnical Design**

All geotechnical design criteria shall be included in this section and the information shall be provided by the Geotechnical Engineer. Standard plans and special details should be listed if they are utilized.

_____ **Mechanical Design**

All mechanical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

_____ **Electrical/Lighting Design**

All electrical design criteria shall be included in this section if applicable. Standard plans and special details should be listed if they are utilized.

_____ **As-Designed Bridge Rating Criteria**

All as-designed bridge rating criteria shall be included in this section.

_____ **Software**

All software used for design and check shall be included in this section.

Final Calculation Book Checklist

(Appendix B of DOTD Policy on Quality Control and Quality Assurance)

The final calculation book for each project shall include, but not limited to, the following sections:

_____ **Cover Sheet**

The following information must be included on the cover sheet:

- DOTD project number
- Project name
- The title of "Final Calculation Book."
- The EOR's seal with signature and date

_____ **Final Calculation Book Check List**

_____ **QC/QA Certifications**

_____ **Peer Review Resolution Agreement (if peer review is performed)**

_____ **Design Criteria**

_____ **Final Hydraulic Analysis Report from Hydraulic Engineer**

_____ **Final Geotechnical Analysis Report from Geotechnical Engineer**

_____ **Superstructure Design Calculations**

_____ **Substructure Design Calculations**

_____ **Quantity Calculations**

_____ **Special Provisions/NS-Items**

_____ **Construction Cost Estimate**

_____ **As-Designed Rating Report**

_____ **List of All Final Electronic Design Files and File Locations (ProjectWise directory name)**

Final calculation book shall be submitted to DOTD on a CD or Flash Drive or placed to a designated ProjectWise folder including the following information:

_____ **A PDF File of the Calculation Book**

_____ **All Electronic Design Files**

_____ **A PDF File of the As-Designed Rating Report Only**

QA Information Package Checklist

(Appendix C of DOTD Policy on Quality Control and Quality Assurance)

Project No.:

Project Name:

Project Description:

_____ **Calculation Book**

_____ **Plans**

_____ **Special Provisions**

_____ **Cost Estimate**

_____ **Other Documents:** _____

QC/QA Certification

(Appendix D of DOTD Policy on Quality Control and Quality Assurance)

Project No.:

Project Name:

Project Description:

We, the undersigned designers, detailers, checkers, and reviewers for this project, have reviewed and accepted the calculations, plans, quantities, special provisions, and cost estimate prepared for this project. We certify that the work for which we are responsible has been completed in accordance with the DOTD Bridge Design Section Policy on QC/QA.

Team Members	Name	Responsible Plan Sheets	Responsible Special Provisions	Signature

Consultant Project Bridge Design Kick-Off Meeting Agenda Checklist

(Appendix H of DOTD Policy on Quality Control and Quality Assurance)

A kick-off meeting with the Consultant's bridge design team shall be initiated by the DOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not limited to, the following items:

_____**Introduce the DOTD Bridge Task Manager and the Consultant's Key Team Members**

(The EOR and Key Designers/Design Checker/Reviewer).

_____**Discuss Consultant's Staffing Plan and Implementation of QC/QA Plan Document**

(The staffing plan should include names and responsibilities of the designers, detailers, checkers, reviewers, and the EOR.)

_____**Determine Schedules for Project Submittals**

(Design Criteria, TS&L, 30%, 60%, 90%, 100% of Preliminary Plans and Final Plans, Final Calculations, etc.)

_____**Share Expectations and Consultant Rating Criteria**

(Consultant rating will be performed for all project submittals shown on the project submittal schedule.)

_____**Discuss Design Criteria**

_____**Discuss Budget, Supplemental Requests, Invoices, and Importance of Avoiding Claims**

(Staff shown on invoices will be reviewed in accordance with the staffing plan.)

Consultant Submittal QC/QA Certification

(Appendix I of DOTD Policy on Quality Control and Quality Assurance)

Project No.:

Project Name:

Project Description:

We, the Engineers of Record for this project, certify that the information included in this submittal has been prepared in accordance with the QC/QA plan documents and the information presented is accurate and meets the requirements of this submittal.

Submittal Description		
Engineer of Record (Bridge Design)	Signature	Date
Engineer of Record (Roadway Design)	Signature	Date

Project Activity Log Sheet

(Appendix J of DOTD Policy on Quality Control and Quality Assurance)

Project No.:

Project Name:

Bridge Task Manager:

Date	Project Activity	Comments

Consultant Submittal Review Checklist

Items	Design Criteria	TS&L	30% PP	60% PP	90% PP	100% PP	30% FP	60% FP	90% FP	100% FP	Final Calculation Book	Plan Revisions	Change Orders
Consultant Submittal QC/QA Certification													
Design Criteria	C												
TS&L		C											
Bridge Index			D	D	D	D	D	D	C	S			
General Notes			D	D	D	D	D	D	C	S			
Summary of Estimated Quantities			D	D	C	C	D	D	C	S			
General Plans			D	D	C	C	C	C	C	S			
Typical Sections			D	D	C	C							
Super elevation Diagram				D	D	C	C	C	C	S			
Construction Phasing Details				D	D	C	C	C	C	S			
Traffic Control Details				D	D	C	C	C	C	S			
Foundation/Pile Layout				D	D	C	C	C	C	S			
Pile Loads/Details					D	D	D	C	C	S			
Pile Data Table							D	D	C	S			
Bent Details							D	D	C	S			
Fender Details							D	D	C	S			
Girder Details							D	D	C	S			
Span Details							D	D	C	S			
Joint Details								D	C	S			
Bearing Details								D	C	S			
Approach Slab								D	C	S			

Items	Design Criteria	TS&L	30% PP	60% PP	90% PP	100% PP	30% FP	60% FP	90% FP	100% FP	Final Calculation Book	Plan Revisions	Change Orders
Guardrail Details								D	C	S			
Bridge Barrier/Railing Details								D	C	S			
Detour Bridge Details								D	C	S			
Revetment Details								D	C	S			
Signing/Lighting Details								D	C	S			
Year Plate								D	C	S			
Rebar Support								D	C	S			
Misc. Details								D	C	S			
Electrical Details								D	C	S			
As-built Plans								D	C	C			
Special Provisions							D	D	C	C			
NS-Items							D	D	C	C			
Cost Estimate					D	D	D	D	C	C			
Final Calculations											S		
Revised Plans/Calculations												S	S

LEGEND:

"R" = the item is required and shall be included in the submittal

"C"= the item shall be complete and shall be included in the submittal

"D"= the item shall be in development and shall be included in the submittal

"S"= the item is stamped by the EOR and shall be included in the submittal

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

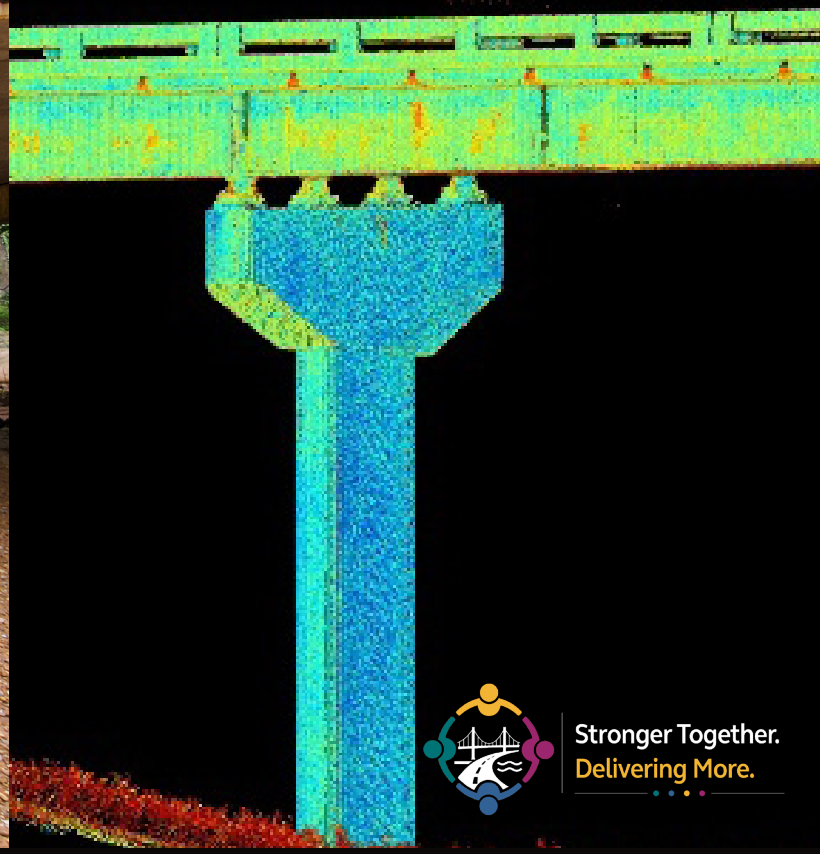
ARCADIS

SECTIONS

22-23

NTBA, Inc. and **Lazenby & Associates, Inc.** bring complementary strengths in geospatial and land surveying services that are critical to the successful delivery of complex infrastructure projects across Louisiana. Together, their teams provide the high-quality, precise topographic and boundary survey data that serves as the foundation for accurate design, alignment, and construction planning. Leveraging advanced field technologies, proven methodologies, and extensive experience across public- and private-sector projects, this team is committed to delivering timely, detailed, and reliable survey products. Their consistent adherence to the highest professional standards ensures not only technical accuracy, but also visually clear and comprehensive deliverables that support informed decision-making throughout every phase of project development.

The image below shows Light Detection and Ranging (LIDAR) remote sensing technology used by our survey firms. These images provide highly accurate and detailed 3D data to generate topographic maps and capture complex landscapes efficiently.



Stronger Together.
Delivering More.

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
Ardaman & Associates, Inc.	316 Highlandia Drive, Baton Rouge, LA 70810	Robert E. Jewell, PE RJewell@ardaman.com	225-666-4598
CDM Smith Inc.	1555 Poydras Street, Suite 1750 New Orleans, LA 70112	Carleen Flynn, AICP flynncm@cdmsmith.com	407-660-6423
ECM Consultants, LLC	1301 Clearview Parkway, Ste. 200 Metairie, LA 70001	Ujjal DasGupta, P.E. ujjal@ecmconsultants.com	504-885-4080
Eustis Engineering L.L.C.	3011 28th Street Metairie, LA 70002	Gwendolyn Sanders, PE gsanders@eustiseng.com	504-834-0157
Lazenby & Associates, Inc.	2000 North 7th Street, West Monroe, LA 71291	Paul Fryer, PE, PLS PFryer@LAZENBYENGR.COM	318-387-2710
Modjeski and Masters, Inc.	1100 Poydras St., Suite 900 New Orleans, LA 70163	Cullen Ledet, PE cjledet@modjeski.com	504-524-4344
NTB Associates, Inc.	321 Saint Joesph Baton Rouge, LA 70802	Michael J. King mking@ntbainc.com	225-454-8925
Marmillion Gray Media, Inc.	P.O. Box 65346, Baton Rouge, LA 70896	Rannah Gray Rannah@rannahgray.com	225-205-3735
Stanley Consultants, Inc.	700 Main Street Suite 405, Baton Rouge, LA 70802	Blake Roussel, PE, PMP RousselBlake@stanleygroup.com	225-388-4211

23 LOCATION:

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**

Arcadis-developed rendering for the I-10 Calcasieu Bridge P3 project.

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Stronger Together.
Delivering More.