

Arcadis-developed concept renderings for Louisiana International Terminal Corridor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

CONTRACT NO. 4400035009

APRIL 15, 2026

St. Bernard LIT Corridor
Route: New Roadway, St. Bernard Parish

ARCADIS

Tuesday, April 15, 2026

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

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

Subject: **CONTRACT NO. 4400035009**
ST. BERNARD LIT CORRIDOR, ROUTE: NEW ROADWAY, ST. BERNARD PARISH

Dear Selection Committee,

On behalf of Arcadis, we are pleased to submit our proposal for engineering and related services for the St. Bernard LIT Corridor (State Project No. H.015428.2). The Arcadis team brings an unparalleled depth of experience delivering complex NEPA, planning, traffic, and engineering solutions to LADOTD.

Project Approach: The Arcadis Team will build on the Stage 0 Feasibility Study (Stage 0) to advance the project through Pre-NEPA activities and Stage 1 Planning/Environmental while positioning the project for future Public-Private-Partnership (P3) procurement. Our methodology is driven by the project's aggressive schedule, significant wetland constraints, and the need to balance freight mobility, community impacts, and long-term corridor implementation. Key elements include:

- Completing a **Mitigated Environmental Assessment** that includes commitments to utilize top-down (end-on) construction to minimize wetland impacts;
- Performing targeted **Pre-NEPA technical studies** to inform alternatives evaluation and selection of a Preferred Alternative;
- Addressing **near- and interim-term mobility needs** by advancing design for intersection improvements, rail grade separations, and pavement strengthening on existing roadways to support early freight operations and maintain community confidence prior to elevated facility construction; and
- Executing a focused **stakeholder and public involvement program**, in coordination with the Port of New Orleans and St. Bernard Parish, to balance project delivery objectives with community concerns and regulatory requirements.

Team Qualifications: The Arcadis Team includes **GIS Engineering, LLC** that completed the Stage 0, as well as **Urban Systems Inc.** and **CDM Smith** that completed Stage 0, and traffic and tolling studies, respectively. Public involvement and stakeholder engagement will be critical to the success of this project and we have partnered with New Orleans-based **The Hawthorne Agency, Inc.** that brings local knowledge and public involvement experience. **N-Y Associates, Inc.** has completed numerous Environmental Assessments and Environmental Impact Statements for DOTD and strengthens our planning and NEPA teams. Subject matter experts **Eustis Engineering LLC** (geotechnical studies), **Coastal Environments, Inc.** (environmental studies), **T. Baker Smith** (SUE), and **The Lakvold Group** (conceptual stage relocation plan) round out our team with considerable depth of experience. Drawing on local presence and direct involvement in the Stage 0 Feasibility Study, the Arcadis Team brings continuity, institutional knowledge, and established agency and stakeholder relationships that make us uniquely qualitied to advance the St. Bernard LIT Corridor through Stage 1 Planning/Environmental.

Commitment to DOTD's Goals: Arcadis is committed to partnering with LADOTD and project stakeholders to deliver a successful St. Bernard LIT Corridor project that strengthens regional mobility, supports economic development, improves safety and resilience, facilitates hurricane evaluation, and withstands regulatory and public scrutiny. We look forward to applying our technical rigor, local knowledge, and collaborative approach to advance this critical statewide investment. Thank you for considering our proposal. Please do not hesitate to contact us if additional information is required.

Sincerely,
Arcadis U.S., Inc.

Akhil Chauhan PE, PTOE, PTP, PMP
Principal Transportation Engineer

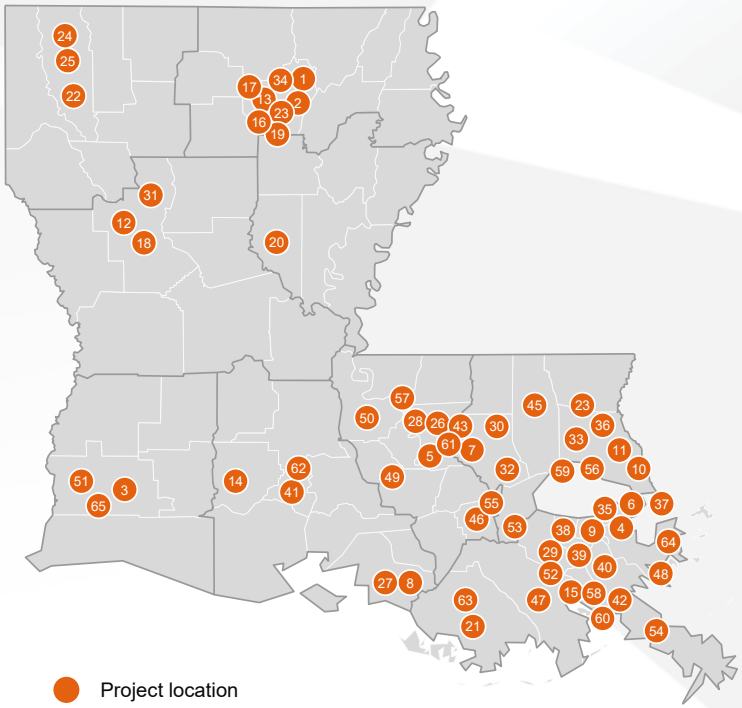
Jason Morrell, PWS
Principal Planner, Project Manager

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS 1-11

With an unparalleled track record across Louisiana, our Arcadis Team has delivered more EAs, EIS and other NEPA documents in Louisiana than any other consultant. Our depth of experience ensures a proven, efficient, and compliant approach to environmental documentation statewide. This map illustrates our longstanding partnership with Louisiana agencies and our leadership in environmental compliance. Our experience—spanning dozens of NEPA, EA and EIS projects statewide—translates into faster reviews, fewer delays, and successful project outcomes for Louisiana's transportation infrastructure.



Arcadis:
1. Ouachita River Bridge and US 165 Connector EIS, Ouachita Parish
2. Kansas Lane Connector EIS, Ouachita Parish
3. I-210 Cove Lane/ Nelson Rd. EA, Calcasieu Parish
4. Florida Avenue EA, Orleans & St. Bernard Parish
5. Dijon Extension EA, East Baton Rouge Parish
6. Chef Menteur Pass EA, Orleans Parish
7. Pete's Highway (LA 16) and I-12 Interchange EA, Livingston Parish
8. I49 SEIS, Richoc and Berwick, St. Mary Parish
9. Canal Boulevard Streetcar Terminal EA, Orleans Parish
10. US 11/Norfolk Southern RR Overpass, St. Tammany Parish
11. LA 434 EA, St. Tammany Parish
12. El Camino East/West Corridor Environmental Assessment, Natchitoches Parish
13. Kansas Lane – Garrett Road Connector EA, Ouachita Parish
14. I-10 Grand Prairie Highway Interchange & Frontage Road EA, Acadia Parish
15. I-49 South Raceland to Westbank Expressway EIS, SIU Jefferson, Lafourche and St. Charles Parishes
16. I-20 – Garrett Road EA / IMR And Roundabout Analysis, LADOTD; Ouachita Parish
17 US 165 Connector, Ouachita River Bridge EIS, Ouachita Parish

CDM Smith:
18. Cane River Bridge Church Street (LA1-x) EA, Natchitoches Parish
19. US 80 Widening: Vancil Road to Well Road EA, Ouachita Parish
20. US 84 Environmental Assessment, LaSalle Parish
21. LA 311 EA and Line & Grade Study, Terrebonne Parish
22. NEPA EA Study Bossier Parish North-South Corridor, Bossier Parish
23. I-12 to Bush EIS, St. Tammany and Washington Parishes
24. Wafer Road Extension Environmental Assessment, Bossier Parish
25. Upper West Fork Cypress Bayou Watershed Plan EA, Bossier Parish

The Lakvold Group, LLC:
26. Perkins Road- Siegen Lane to Highland Road, East Baton Rouge Parish
27. US 90 (Future I-49) La 318 Interchange, St. Mary Parish
28. Old Hammond Highway (LA 426) Segment 1, East Baton Rouge Parish
29. I-10/Loyola Interchange Improvements, Jefferson Parish
30. LA 447 Corridor Study, Route LA 447, Livingston Parish, LA
31. Cane River Bridge Church Street, Route LA 1-X, Natchitoches Parish
32. LA 16 to Juban Crossing, Livingston Parish
33. US 90 Pearl River Bridges, Route US 90, St. Tammany Parish
34. US 80 Widening: Vancil Road to Well Road, Ouachita Parish

N-Y Associates
35. Bayou Sauvage National Wildlife Refuge EIS, Orleans Parish
36. LA 1088/I-12 Interchange EA, St. Tammany Parish
37. New Florida Avenue Bridge Over the Inner Harbor Navigation Canal (IHNC) EA, Orleans and St. Bernard Parishes
38. East-West Corridor (from Downtown to Louis Armstrong International Airport) EIS, Orleans, Jefferson and St. Charles Parishes
39. Earhart-Causeway Interchange EA, Jefferson Parish
40. Lower Harvey Canal Crossing EA, Jefferson & Plaquemines Parishes
41. Ambassador Caffery Parkway North EA, Lafayette Parish
42. LA Highway 23 (Happy Jack to Port Sulphur, LA) EA, Plaquemines Parish
43. Route LA 408 (Hooper Road) Extension EA, East Baton Rouge and Livingston Parishes
44. US 51 Business (LA 22 to Club Deluxe Road) EA, Tangipahoa Parish
45. LA 3234 Extension from LA 1065 to Hammond Airport EA, Tangipahoa Parish
46. Reserve to I-10 Connector EIS, St. John the Baptist Parish

GIS Engineering
47. Port Fourchon Channel Deepening, Lafourche Parish
48. Roadway Network & Resilience Study - Lower St. Bernard Parish
49. MRB South GBR: LA 1 to LA 30 Connector, East Baton Rouge & Iberville Parishes
50. Upper Terrebonne Basin Drainage Improvements EA, Pointe Coupee Parish

Coastal Environment Inc. (CEI)
51. I-10 Calcasieu River Bridge EIS, Calcasieu Parish
52. I-310 EIS, St. Charles Parish
53. Gramercy Bridge EIS, St. James and St. John the Baptist Parishes
54. Mid-Breton Sediment Diversion EIS, Plaquemines Parish
55. US 61 - I-10 Connector EIS, St. John the Baptist Parish
56. Bayou Sauvage National Wildlife Refuge EIS, Orleans Parish
57. St. Francisville Bridge EA, West Feliciana and Pointe Coupee Parishes
58. Huey P. Long Bridge widening EA, Jefferson Parish
59. Chef Menteur Pass Bridge EA, Orleans Parish
60. I-10/Loyola Interchange EA, Jefferson Parish
61. LA 408 Hooper Road Extension and Widening EA, East Baton Rouge and Livingston Parishes
62. Ambassador Caffery Extension EA, Lafayette Parish
63. Westside Boulevard Extension EA, Terrebonne Parish
64. Florida Avenue Bridge EA, Orleans and St. Bernard Parishes
65. I-210 Cove Lane/Nelson Road EA, Calcasieu Parish

"You and your people are great to work with, always responsive and helpful to questions from the Board. Thanks to your thorough and methodical work, everyone seems to be pleased with the potential benefits from this critically needed project."

- Dwight Del Vines, Economic Development Officer / City of Monroe, Louisiana I-20 – Garrett Road EA / IMR Project

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	**ST. BERNARD LIT CORRIDOR** **ROUTE: NEW ROADWAY, ST. BERNARD PARISH**
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400035009
3. State Project Number(s), if shown in the advertisement	H.015428.2
4. **Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20**)	ARCADIS **ARCADIS U.S., INC.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002808 DUNS 057690414
6. Prime consultant mailing address	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
8. **Name, title, phone number, and email address of prime consultant's contract point of contact**	Jason Morrell, PWS *Project Manager* 504 648 3617| Jason.Morrell@arcadis.com
9. **Name, title, phone number, and email address of the official with signing authority for this proposal**	Akhil Chauhan, PE, PTOE, PTP, PMP *Senior Vice President* 225 368 6563 | akhil.chauhan@arcadis.com

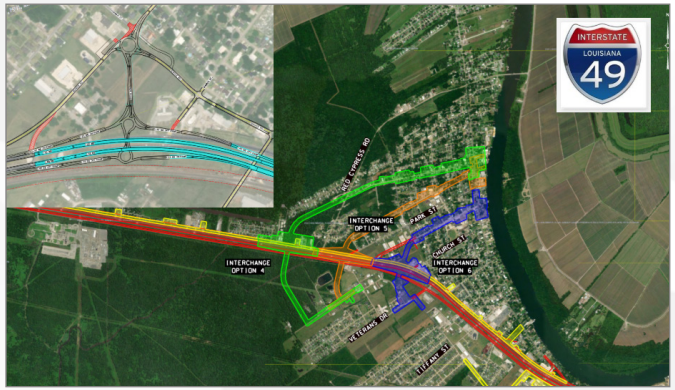
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for 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: April 15, 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):** N/A

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LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

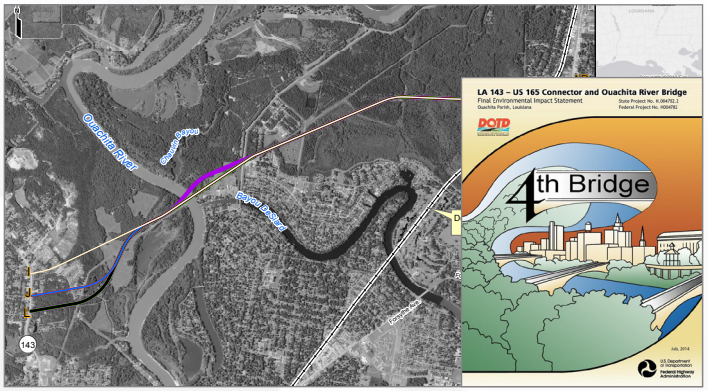
ARCADIS

SECTIONS 12-14

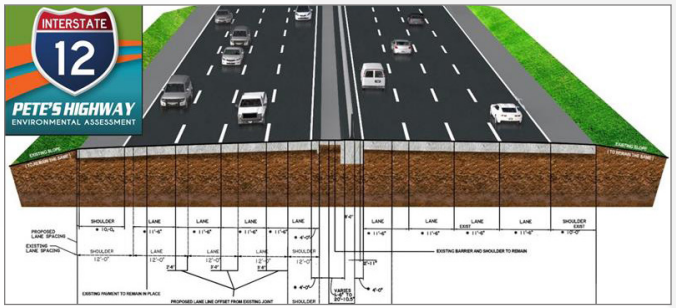
Our extensive project portfolio — some illustrated here — demonstrates why we are Louisiana's most trusted partner for Environmental Compliance services. No other consultant combines statewide reach with our depth of environmental expertise and commitment to successful project delivery.



I-49 South Richoc to Berwick SEIS



LA 143 - US 165 Connector and Ouachita River Bridge EIS



Pete's Highway (LA 16) and I-12 Interchange EA



US 11 Norfolk Southern Railroad EA



Chef Menteur Bridge and Approaches Environmental Assessment (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

12 DISCIPLINE TABLE:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. The only past performance evaluation disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

Discipline(s)	% of Overall Contract	Arcadis	N-Y Associates	Eustis	GIS	CDM Smith	Coastal (CEI)	Lakvold	Hawthorne	Urban Systems	T. Baker Smith	Each Discipline must total to 100%
Environmental	22	35	35			10	20					100
Planning	15	35	35		5	25						100
Traffic	15	85								15		100
Road	14	65			35							100
Other (Public Outreach)	10	10	15		5	5			65			100
Bridge	8	100										100
Geotech	6			100								100
Survey	3				100							100
Data Collection	2									100		100
Other (ICE[1])	2	100										100
Other (SUE)	2										100	100
Appraiser	0.5							100				100
Right-of-Way	0.5							100				100
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.												
Percent of Contract	100	45.8	14.5	6.0	9.2	6.4	4.4	1.0	6.5	4.2	2.0	100.0

[1] ICE = Independent Cost Estimate

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	Archaeologist	2	2
	Biologist/Wetlands	3	5
	Clerical	1	2
	Economist	2	3
	Engineer	10	12
	Engineer Intern	1	2
	Engineering-Aide	3	3
	Environmental Manager	1	2
	Environmental Pro	3	5
	Historian	2	2
	Planner	5	5
	Principal	3	4
	Professional	2	3
	Supervisor - Eng	10	10
	Supervisor - Other	4	4
	CADD Technician	1	3
	GIS Analyst	1	2
NY ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS	Principal	1	2
	Supervisor - Eng	1	2
	Planner	2	2

Firm Name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
EUSTIS ENGINEERING L.L.C. SINCE 1946	Principal	2	3
	Supervisor - Eng	3	4
	Supervisor - Other	2	3
GJS ENGINEERING LLC	Supervisor - Eng	1	3
	Surveyor	1	5
	Geologist	1	1
CDM Smith	Planner	9	10
	Professional	1	2
	Engineer	1	5
COASTAL ENVIRONMENTS, INCORPORATED	Historian	1	2
	Archaeologist	1	2
	Biologist/Wetlands	1	3
	Environmental Pro	1	1
THE LAKVOLD GROUP Commercial Real Estate Appraisers	Professional	1	1
The HAWTHORNE AGENCY, INC.	Principal	1	1
	Professional	2	2
URBAN SYSTEMS Inc. USI	Principal	1	1
	Engineer	2	3
TBS T. BAKER SMITH	Supervisor - Eng	2	3
	Senior Technician	1	2

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

QA/QC


Bonnie Bynum ■ *(Environmental / Public Involvement)*


Jonathan Reid, PE, PTOE, RSP *(Alternative Development)*


Akhil Chauhan, PE, PTOE, PTP, PMP ■ *(Traffic & Safety)*


Kristen Kasmire, PE *(Bridge Design)*


Jim Simmons, PE[1] ■ *(Roadway Design)*

Project Management Team


Project Manager
Jason Morrell, PWS ■


Deputy Project Manager
Bruce Richards, AICP, PTP, GIP[1] ■

Principal - in - Charge


Akhil Chauhan, PE, PTOE, PTP, PMP ■

Technical Advisors


Eric Kalivoda, PhD, PE ■


Steve Cali, PE

PRE-NEPA ACTIVITIES


Ari Deitch, PE, PTOE, PTP, RSP ■●★

Alternative Evaluation/ PEL to NEPA Crosswalk
Otto Clemente
Kovid Saxena AICP, LEED AP, ENV SP
Lydia Jemison, AICP[1]
Daniel Arnold, AICP
Jennifer Humphreys, AICP[2]
Josh Johnson, PE[2]
Karen Hadley, PMP, AICP [2]

Survey and Subsurface Utility Engineering (SUE)
James Chustz, PLS[5] ■
T. J. Stokes, PE[9] ■
Perry Smith[9]
Kaleb Brooks[9]

Hydrologic and Hydraulic Analysis
Colin Sarratt, PE ■
Amanda Check, PE ■
Lina Khoury, PE, CFM ■
Cailyn Youmans, PE

Traffic and Safety Engineering
Ari Deitch, PE, PTOE, PTP, RSP ■●★
Kester Hollier, PE, PTOE ■●★
Sridhar Basetty, PE, PTOE ■★
Max Aguirre, PhD, PE, PTOE, RSP★
Alison Michel, PE, PTOE, PTP, RSP[8] ★
Nicole Stewart, PE, PTOE[8] ★
Matthew Morgan, PE, PTOE[8] ★

Line and Grade Study
Jose L. Rodriguez, PE ■●
David Fulks, PE ■
Craig Raymond, PE
Garrett Keller, PE
Gabriel Arias, PE
Blake Pitre, EI

Bridge Concept Study
Victor Sanchez, PE ■
Osama Shahawy, PE ■
Krishna Singaraju, PE
Sushil Dhungana, PE
Badre Enam, PE
Bill Haensel, PE, PLS[1]

Geotechnical Studies
Matthew Morales, PE[4] ■
Patrick Thurmond, PE[4] ■
Travis Richards, PE[4] ■
Ryan Rodrigue[4] ■
Lawrence Rome[4] ■

Wetland Delineation and T&E Surveys
Hunter Guidry ■
Catherine Bruns
Lee Droppelman ■
Walker Wilson[3] ■
Mohan Menon, PhD, PMP, PG[5] ■

Cultural Resources Reconnaissance
Lauran Switzer, RPA ■
Collins Anderson, MHP ■
George Rounds, MHP ■
Douglas Wells, PhD[3] ■
Sara Hahn[3] ■

Public and Stakeholder Outreach
Geneva Coleman[6]
Shane Blatt
Karimah Stewart[6]
Steven Pierre[6]
Bruce Richards, AICP, PTP, GIP[1] ■
Lydia Jemison, AICP[1]
Michael Nicoladis, EI[1]
Julie Price, AICP

Intermediate Toll Analysis
Carleen Flynn, AICP[2]
David Aron, PTP, PMP[2]
Wesley Blackwell, PMP[2]
Zoran Todorovic, PTP[2]
John Muñoz[2]
Richard Tillery, AICP[2]

ENVIRONMENTAL EVALUATION


Jason Morrell, PWS ■

Purpose and Need
Jan Hughes ■
Jessica Kern
Rhonda Tilt

Line and Grade Engineering Report
Jose L. Rodriguez, PE ■●
Jacob Loeske, PE[5] ■
David Fulks, PE ■
Craig Raymond, PE
Garrett Keller, PE
Gabriel Arias, PE
Blake Pitre, EI

Preliminary Bridge Design
Victor Sanchez, PE ■
Osama Shahawy, PE ■
Krishna Singaraju, PE
Sushil Dhungana, PE
Badre Enam, PE
Bill Haensel, PE, PLS[1]

Air and Noise Studies
Daniel Burgin, INCE ■
Rekeyia Sherrell ■
Justin Maderia, PE, PTOE, PTP ■

Cultural Resource Surveys
Douglas Wells, PhD[3] ■
Sara Hahn[3] ■

Community/Socioeconomic Impact Analyses
Bruce Richards, AICP, PTP, GIP[1] ■
Lydia Jemison, AICP[1]

Conceptual Stage Relocation Plan
Angela Lakvold[7] ■

Phase I ESA
Mohan Menon, PhD, PMP, PG[5] ■
Cassandra Hart, CEP[3] ■

Section 4(f)/6(f) Evaluations
Jan Hughes ■
Jessica Kern
Rhonda Tilt

NEPA Documentation
Daniel Lowery ■
Jessica Kern
Jan Hughes ■
Kovid Saxena, AICP, LEED AP, ENV SP
Daniel Arnold, AICP
Savannah Kimbrell
Annamarie Weddle, AICP[2]
Michael Belvin[2]
Bruce Richards, AICP, PTP, GIP[1] ■
Lydia Jemison , AICP[1]
Patricia Claverie, EI[1]

Public Involvement & Stakeholder Engagement
Geneva Coleman[6]
Karimah Stewart[6]
Steven Pierre[6]
Shane Blatt
Bruce Richards, AICP, PTP, GIP[1] ■
Lydia Jemison, AICP[1]
Jim Simmons, PE[1] ■
Dean Nicoladis, PE[1]

Complete Streets/Bike and Pedestrian Facilities
Ari Deitch, PE, PTOE, PTP, RSP ■●★
Max Aguirre, PhD, PE, PTOE, RSP★

Cost Estimates
Chris Goddin ■
George Passaro ■

Regulatory Permitting and Mitigation
Hunter Guidry ■
Catherine Bruns

SUPPORT SERVICES

Preliminary Engineering
Jose L. Rodriguez, PE ■●
Colin Sarratt, PE ■
Victor Sanchez, PE
Matthew Morales, PE[4] ■

Project Management Plan
Jason Morrell, PWS ■
Bruce Richards, AICP, PTP, GIP[1] ■

Financial Plan / Grant Support
Chris Goddin ■
Julie Price, AICP
Carleen Flynn, AICP[2]
John Muñoz[2]

Scheduling
Suberina Jocelyn

Data Analytics
Dibya Maheswari
Amber Vick

Alternative Delivery/P3 Advisory Services
Keith Kunst, PE
Angelica Gomez

GIS/CADD
Joshua Chatelain
Sothon Men

LEGEND
● Workzone
★ TERP Certificates
■ Meets MPR

SUBS
1 - N-Y Associates
2 - CDM Smith
3 - Coastal Environments
4 - Eustis
5 - GIS
6 - Hawthorne Agency
7 - Lakvold Group
8 - Urban Systems
9 - T. Baker Smith

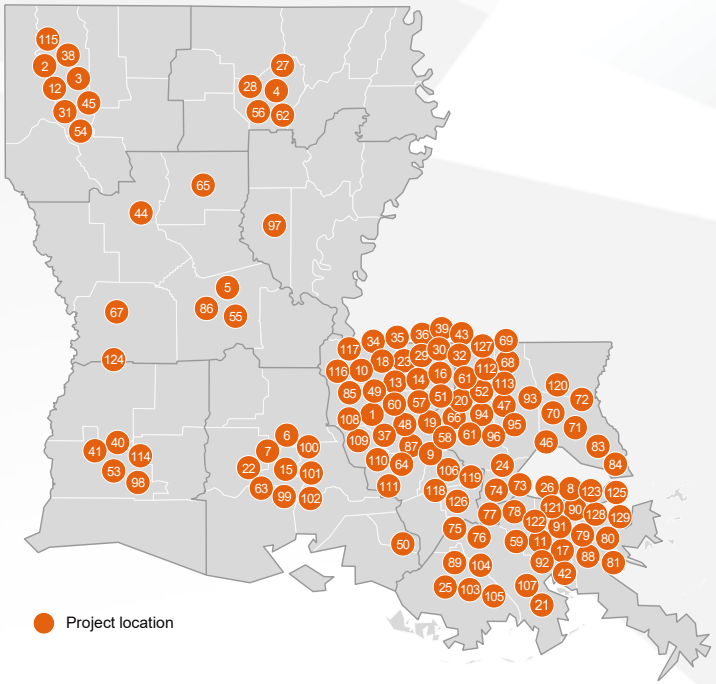
Names in teal represent major task leads

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS
15-16

The Arcadis Team has Provided Traffic Engineering and Travel Demand Forecasting Services for over **125** Projects in Louisiana.



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

Urban Systems:
65. LA 156 from Calvin to US 167 Feasibility Study
66. LA 447 at Glen Ellis Traffic Signal Warrant Analysis
67. LA 8: Sabine River to US 171 Feasibility Study
68. LA 3234 Extension from LA 1065 - Hammond Airport
69. LA 1040 (Klein Dr to US 51)
70. US 190: Northshore and Camp Villere
71. I-12 to Bush Environmental Impact Statement Route LA 3241
72. US 190 Superstreet
73. Reserve to I-10 Connector
74. Port of South LA Connector Environmental Impact Statement
75. LA 3127 Widening
76. LA 20 Widening and Bypass
77. US 90 Corridor St Charles Parish
78. LA 52 (Paul Maillard Road) Widening Stage 0 Feasibility Study
79. PONO LIT- Data Collection
80. St. Bernard Transportation Plan LA 39/Judge Perez Drive
81. District 02 - LA 39, LA 46 and LA 3021
82. US 190 at LA 433 Intersection
83. Access Management US 11 from Spartan Drive to LA 433
84. Stage 0 FS/EI Widen US 190 from LA 1089 to US 11 700-52-0191
85. LA 77 at Rosedale - Crosswalk Study
86. US 165: Red River MB Ped Gates
87. City of Plaquemines Railroad Crossings
88. LA 23 Happy Jack to North Port Sulphur Stage 1 Environmental Assessment
89. I-49 South (Raceland to WB Expwy)
90. I-10 Master PLan Port Access Improvements
91. LA 47: IWGO Bridge Rehabilitation (HBI)
92. US 90 @ Crowder Intersection Improvement
93. I-12 Corridor Study Stage 0 Feasibility Study and Environmental Inventory
94. LA 447 and I-12 Interchange Stage 0 Feasibility Study 700-99-0404
95. S. Satsuma Road Roundabout Study
96. LA 447 Corridor Study
97. Widen US 84 from Hwy 772 to East of Hair Creek Bridge
98. Nelson Road IMR TO# H.011065.5
99. LA 3168: New Bridge EA
100. LA 182 Widening - Stage 0 Studies Statewide
101. LA 339 Widening, Verot School Road - Stage 0 Studies Statewide
102. US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery
103. I-49 South (Raceland to WB Expwy - Phase 1)
104. I-10/Loyola Interchange Improvements
105. LA 311 Stage 0 Feasibility Study SP 700-55-0122
106. LA 30 Roundabouts Tanger Mall/Robert Wilson Road - Preliminary Traffic Analysis
107. LA 1 to LA 3235 Connector
108. I-10 Stage 1 EA Supplemental Agreement 6
109. LA 415 Corridor Study
110. LA 73 Corridor Study
111. Hooper Road Extension Stage 1 Environmental Assessment
112. I-10 Stage 1 - Environmental Assessment Supplemental Agreement No. 4
113. Centerville Ped LA 1032 at LA 3002
114. LA 378 Widening and Realignment - Statewide Stage 0 Studies
115. City of Bossier As Needed
116. Increase Capacity of I-10 from Bridge to I-10/I-12 Split
117. Pecue Lane / I-10 Interchange Environmental Assessment
118. LA 3127 Extension Stage 0
119. LA 44 Corridor Safety Study
120. LA 16 Road Diet Phase 1
121. I-10 FROM I-610 Twin Spans Increase Capacity
122. St. Bernard Traffic Management and Safety Study
123. Traffic Signal Study St. Bernard Parish
124. Deridder Bypass Study Stage 0 Feasibility
125. LA 39-LA 46 and LA 47
126. LA 1 to LA 3235 Traffic Study
127. LA 1 at Connector Road
128. I-10/Loyola Interchange Improvement
129. MSY Access Road Realignment

"Arcadis has completed all required data collection and analysis in a timely and organized manner. All analyses submittals have been clear and easy to read/understand with all assumptions stated… Arcadis has provided alternatives that are constructible and make sense. The consultant came over prepared for the Stakeholder and Public meeting. The presentation boards, conceptual alternative layouts, and VISSIM video for the public meeting expertly explained all of the essential points of the study clearly and effectively."

- Czarina Patolilic, L ADOTD Project Manager, LA 3105 Corridor Traffic Study

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	Daniel Lowery *(16 years' experience)*	ARCADIS	-	-	-
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	-
	Bonnie Bynum *(30 years' experience)*	ARCADIS	NHI Course No. 142005	USA	-
5	Daniel Burgin, INCE *(12 years' experience)*	ARCADIS	-	-	-
	Justin Maderia, PE, PTOE, PTP *(18 years' experience)*	ARCADIS	PE.0038492 – Civil PTOE #3455	LA USA	03/31/2028 07/01/2027
6	Rekeyia Sherrell *(6 years' experience)*	ARCADIS	-	-	-
7	Mohan Menon, PhD, PMP, PG *(36 years' experience)*	GJS ENGINEERING LLC	LA 1217 – Geoscientist	LA	01/09/2027
7	Cassandra Hart, CEP *(24 years' experience)*	COASTAL ENVIRONMENTS, INCORPORATED	Certified Environmental Professional 12030649; Wetlands Delineation Training Course	USA	N/A

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
8	Hunter Guidry *(29 years' experience)*	ARCADIS	Wetlands Delineation Training Course	N/A	N/A
	Walker Wilson *(23 years' experience)*	Coastal Environments, Incorporated	Wetlands Delineation Training Course	N/A	N/A
	Mohan Menon, PhD, PMP, PG *(36 years' experience)*	GTS Engineering LLC	Wetlands Delineation Training Course	LA	01/09/2027
9	Hunter Guidry *(29 years' experience)*	ARCADIS	-	-	-
	Lee Droppelman *(>25 years' experience)*	ARCADIS	-	-	-
10	Lauran Switzer, MA, RPA *(23 years' experience)*	ARCADIS	Section 106 of the National Historic Preservation Act Training		
	Douglas Wells, PhD *(38 years' experience)*	Coastal Environments, Incorporated	Section 106 of the National Historic Preservation Act Training		
11	George Rounds, MHP *(13 years' experience)*	ARCADIS	-	-	-
	Collins Anderson, MHP *(24 years' experience)*	ARCADIS	-	-	-
11	Sara Hahn *(>30 years' experience)*	Coastal Environments, Incorporated	-	-	-
12	Angela Lakvold *(>40 years' experience)*	The Lakvold Group, Commercial Real Estate Appraisers	-	-	-
13	Ari Deitch, PE, PTOE, PTP, RSP *(13 years' experience)*	ARCADIS	PE. 41842 – Civil PTOE: 4346	LA US	03/31/2028 11/30/2027
	Kester Hollier, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 34304 – Civil PTOE: 3928	LA US	03/31/2027 11/30/2027

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
	Sridhar Basetty, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 38950 – Civil PTOE: 3682	LA US	09/30/2026 08/31/2026
14	Jose L. Rodriguez, PE *(26 years' experience)*	ARCADIS	PE. 30492 – Civil	LA	03/31/2027
	David Fulks, PE *(>30 years' experience)*	ARCADIS	PE. 30151 – Civil	LA	09/30/2026
	Jacob Loeske, PE *(24 years' experience)*	GJS ENGINEERING LLC	PE. 33285 – Civil	LA	09/30/2027
	James Simmons, PE *(>40 years' experience)*	NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	PE. 19891 – Civil	LA	09/30/2027
15	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
16	James Chustz, Jr., PLS *(>50 years' experience)*	GJS ENGINEERING LLC	PLS 4657 – Surveyor	LA	03/31/2028
17	T J Stokes, PE *(17 years' experience)*	TBS T. BAKER SMITH	PE. 40079 – Industrial	LA	03/31/2028
18	Matthew K. Morales, PE *(17 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	PE. 38211 – Civil	LA	09/30/2027
	Patrick A. Thurmond, PE *(>10 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	PE. 44237 – Civil	LA	09/30/2026
19	Travis R. Richards, PE *(26 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	PE. 30992 – Civil	LA	3/31/2027
20	Ryan A. Rodrigue *(23 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	-	-	-
21	Lawrence W. Rome *(31 years' experience)*	EUSTIS ENGINEERING L.L.C. SINCE 1946	Water Well Drillers License No. 267	LA	06/30/2026

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
22	Colin Sarratt, PE *(>10 years' experience)*	ARCADIS	PE. 46542 – Civil	LA	09/30/2026
23	Amanda Check, PE *(17 years' experience)*	ARCADIS	PE. 45736 – Civil	LA	09/30/2027
24	Lina Khoury, PE, CFM *(19 years' experience)*	ARCADIS	Certified Floodplain Manager (CFM)	USA	CFM. US-19-11213 / 1/31/2028
25	Chris Goddin *(32 years' experience)*	ARCADIS	-	-	-
	George Passaro *(>40 years' experience)*	ARCADIS	-	-	-

CONTRACT MANAGEMENT TEAM / KEY DISCIPLINE LEADS

16 STAFF EXPERIENCE:

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 & 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			**Project Manager / Environmental Evaluation – *Services Lead***	



Mr. Morrell has more than 25 years of experience in environmental planning and ecology in the southeastern U.S. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. ***Jason has managed State DOT contracts with values ranging from $500 thousand 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 (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), US 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
02/17 – 09/25	**I-49 South (Ricohoc to Berwick) SEIS, LADOTD, St. Mary Parish, LA.** *Project Manager* for a Supplemental NEPA ***Environmental Impact Statement (EIS)*** for the conversion of a 10-mile segment of US 90 to I-49 from Ricohoc to Berwick in St. Mary Parish. Responsibilities include 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.
04/25 - Ongoing	**LA 1/LA 415 Connector CMAR, LADOTD, West Baton Rouge Parish, LA** *Project Manager* for a new 2.7-mile connector roadway project, consisting of a four (4) 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. The Arcadis scope of services includes traffic engineering and analysis for the entire project, including ***design development and alternative concepts***, phased project implementation, safety analysis, signal inventory and design, and transportation management plan. Arcadis is also responsible for all stages of CMAR plan design for select roadway segments.
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 include a USACE Section 10/404 Clean Water Act Standard Permit, Louisiana Department of Environmental Quality (LDEQ) Water Quality Certification Request, ***USCG Section 9 Bridge Permit and Navigation Lighting Plan***.

10/22 - Ongoing	**IIJA Off System Bridge Replacements Program – District 02, LADOTD, Multiple Parishes** *Environmental Lead* for replacement of six (6) 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, and USACE Section 404 Clean Water Act permitting, as needed.
04/21 – Ongoing	**Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA.** *Project Manager* for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of Solicitation of Views, Wetland Studies, Programmatic Categorical Exclusion Checklists, and permitting including ***USACE Nationwide Permits (NWPs), Louisiana Department of Natural Resources Coastal Use permits, and local levee board permits***
04/16 – 06/23	**Pete's Highway Interchange Alternative and Environmental Assessment, 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 Environmental Assessment (EA)***.
06/22 – Ongoing	**Environmental Support Services - Ecology IDIQ Contract, GDOT, Statewide, GA.** *Project Manager*. Responsible for 5-year, $35 million contract management, staffing, and program delivery. Manage a team of staff and subconsultants providing over 20 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, conflict of interest, and document tracking dashboards.
09/19 – 06/22	**Environmental Support Services IDIQ Contract, GDOT, Statewide, GA**. *Project Manager and Ecology Lead.* Responsible for management of embedded ecology and NEPA staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop 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 (OSBP) – LADOTD, Terrebonne Parish, LA.** *Senior Ecologist*. Completed a technical review of the Biological Resources and Wetland Findings Report, including 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.
07/16 – 03/18	**Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA**. *Senior Ecologist*. Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville's Wastewater Treatment Facility, pond levees, and the Parish's only access road (Ferdinand Street) to the Mississippi River. Completed a ***wetland delineation and T&E species habitat assessment*** within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which USACE authorization was successfully obtained.

Firm employed by. NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS				Meets MPR No. 4
Name	**Bruce J. Richards, AICP, PTP, GIP**		Years of relevant experience with this employer	28
Title	Principal Planner		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization			Master of City and Regional Planning (MCRP) / 1989 / Planning, Georgia Tech BA / 1986 / Political Science, Louisiana State University	
Active registration number / state / expiration date			AICP No. 126106 / Exp. 12/31/2027; PTP No. 643; GIP No. 974	
Year registered	1999	Discipline	Planning	
Contract role(s) / brief description of responsibilities			**Deputy Project Manager**	



Mr. Richards offers 39 years of planning experience in the areas of feasibility studies, transportation planning, master plans, environmental assessments & impact statements, research and operations studies, traffic impact studies, and noise mitigation. He has been involved with 2 EIS projects and 9 EA projects. Mr. Richards is a certified Green Infrastructure Practitioner (GIP) by the National Green Infrastructure Certification Program (NGICP). Mr. Richards has **completed the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making"** and the **course on Section 106 of the National Historic Preservation Act offered by the Advisory Council on Historic Preservation.** Mr. Richards provided Transportation Planning and Environmental Services for each project listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
06/08 – Ongoing	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA. Environmental Impact Statement** for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish with a new roadway across wetlands. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment (EA); Tangipahoa Parish, LA.** Engineering, Environmental, and Planning Services for a **Environmental Assessment** (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment addresses the LADOTD Complete Streets policy and includes pedestrian and bicycle facilities. Several small bridges are also included.
03/14 – 12/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment (EA); Tangipahoa Parish, LA. Environmental Assessment** (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
06/99 – 04/10	**LA 1088 Interchange Environmental Assessment (EA), Route Interstate 12; St. Tammany Parish, LA.** Geometric Design Study, **Environmental Assessment,** and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Access Point Request (APR) report and design for an addition of a fully directional interchange to I-12 at LA 1088. The interchange includes. 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A new 446 LF westbound 2-lane bridge using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.

03/12 – 09/15	**Stage 1 Environmental Assessment (EA) for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA.** Engineering, Environmental, and Planning services for a **Environmental Assessment** (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139. Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment (EA); Jefferson Parish, LA.** Feasibility Study and Environmental Inventory (including line and grade) for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a **Environmental Assessment**.
11/01 – 06/07	**East-West Corridor Multi-Modal Environmental Impact Statement (EIS); Jefferson, Orleans and St. Charles Parishes, LA.** An **Environmental Impact Statement**, including alignment studies and impact analysis of the build alternatives necessary to obtain a Record of Decision (ROD) for this multi-modal transit and highway corridor. N-Y's work focused on the development of Airline Highway widening alternatives (six and eight lanes) and new at-grade and elevated expressway alternatives (six and eight lanes with four lane services roads) to alleviate congestion in a seven (7) mile corridor.
08/11 – 10/14	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment (EA); Plaquemines Parish, LA.** An **Environmental Assessment** for the reconstruction of a 3.8 mile segment of LA 23 from two-lanes to four-lanes. The EA included the development, refinement, and analysis of alternatives, conceptual roadway and drainage plans, cost estimates and an analysis of likely impacts.
04/06 – 12/12	**Environmental Assessment (EA) for Ambassador Caffery Parkway (Willow Road to Carenco); Lafayette Parish, LA.** A Line and Grade Study and Environmental Evaluation, and an **Environmental Assessment** for an extension of Ambassador Caffery Parkway, a major North-South thoroughfare in Lafayette Parish. The total length of the project is approximately eight (8) miles, including tie-ins to two (2) existing interchanges at I-10 and I-49, with improvements to the Interchange at I-10.
11/21 – Ongoing	**Replacement of Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA.** H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD Districts 08, 58 and 05. Solicitation of Views and ***Preparation of the Categorical Exclusion documents*** in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports. Mr. Richards assisted LADOTD in receiving Categorical Exclusions (CE) for the work at each bridge.
09/24 – 12/25	**St. Tammany Parish Comprehensive Pedestrian and Bicycle Master Plan; St. Tammany Parish, LA.** The St. Tammany Parish Comprehensive Pedestrian and Bicycle Plan addresses the existing deficiencies and assesses further expansion of walking and bicycling infrastructure to make the Parish a safer place for these activities.
03/25 – 12/25	**Stage 0 Feasibility Study, Firetower Road/LA 445 Corridor Study; Tangipahoa Parish, LA.** The purpose of this study is to determine the high level costs, feasibility and potential environmental concerns of two (2) projects in the Bedico area of Tangipahoa Parish. 1) a new Interchange at Firetower Road and I-12 and 2) potential improvements to the existing I-12 Interchange at LA Hwy 445.

Firm employed by. ARCADIS			Meets MPR No. 1 & 2
Name	**Akhil Chauhan, PE, PTOE, PTP, PMP**	Years of relevant experience with this employer	17
Title	Principal Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology BS / 2001 / Civil Engineering, Indian Institute of Technology	
Active registration number / state / expiration date		PE. 0033703 / LA / Exp. 09/2026; PTOE 2544 / USA / Exp. 11/2026 PTP 246 / USA / Exp. 12/2027; PMP 1444676 / USA / Exp. 08/2026	
Year registered	2008	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Principal-in-Charge, QA/QC Traffic & Safety**	



Mr. Chauhan is a Principal Engineer with **22 years of applied research and industry experience** in transportation planning and design. Akhil has successfully led, managed, and mentored numerous transportation improvement projects for public agency clients located across the nation including several state Departments of Transportation. Projects include transportation planning and feasibility studies, NEPA environmental studies, and large scale design projects including alternative delivery (CMAR, Design Build, P3).

Experience Dates	Experience and qualifications relevant to the proposed contract
04/13 – 10/20	**LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, St. Tammany Parish.** *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 include the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project includes analysis of several innovative alternatives for the proposed corridor, including "superstreets" and J-turn concepts.
11/20 – Ongoing	**LADOTD, I-10 CMAR, East Baton Rouge Parish, LA.** *Principal Engineer.* Responsible for technical advisory and QAQC of all traffic engineering tasks including development of permanent signing plans, ***Interchange Modification Reports***, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
01/14 – Ongoing	**Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA.** *Principal Engineer*. Responsible for contract management and deliverables for the project which included traffic and safety analysis, signal timing and warrant analysis, ***alternative screening and analysis***, preliminary roadway and bridge design, line and grade, Interchange Modification Report, and Environmental Assessment. Purpose of the project is to improving operations and safety along Range Avenue.
04/16 – Ongoing	**LADOTD, Florida Avenue Environmental Assessment, Orleans Parish, LA.** *Principal Traffic Engineer*. Responsible for QA/QC and documentation for the project that includes traffic, environmental, line and grade, and public outreach and involvement services for one of the last projects funded by Louisiana's TIMED Program. The project traverses post-Katrina re-development areas in both Orleans and St. Bernard Parishes. Key considerations include the type and height of the bridge and controlling

	truck traffic diversion through neighborhoods. Using the New Orleans Regional Planning Commission's SELATRAM travel demand model (TDM), Arcadis coded alternatives for a ***comparative analysis of partial and full build scenarios***.
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.
12/13 – 06/15	**LA 3235 Corridor Safety Improvements, LADOTD, Lafourche Parish, LA.** *Project Manager and Principal Engineer*. Responsible in the preparation of a formal traffic and access management Stage 0 study, in accordance with LADOTD Stage 0: Manual of Standard Practice, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included traffic data collection, warrant studies, ***traffic analysis, safety analysis, design development, and public outreach***. Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. A cost estimate and conceptual layout drawings were also produced.
02/23 – 05/24	**District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Principal Engineer & Technical Advisor*. Responsible for contract management and technical advisory for this Stage 0 Feasibility study to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in ***close coordination with project stakeholders*** including City of Bossier, City of Shreveport, NLCOG, Downtown Development Distriction, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documnted in a Stage 0 Feasibility Reports were completed for all 7 study corridors with Preliminary Scope and Budget Checklist and Environmental Checklist. Benefit-cost analysis was provided to aid in prioritizing the implementation of countermeasures.
04/16 – 10/19	**I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA.** *Principal Engineer.* Responsible for contract management and technical advisory of project tasks. Arcadis researched best practices around the country to develop potential alternatives. Highway Safety Manual methods were applied to quantify the safety performance of proposed alternatives. Traffic analysis was performed using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. ***Conceptual drawings and construction cost estimates*** were developed to evaluate the feasibility of proposed alternatives.
02/17 – 02/18	**I-49 Interchange Safety Improvements, LADOTD, Lafayette Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for project tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and ***develop context sensitive solutions*****.**

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, Environmental Engineer
Contract role(s) / brief description of responsibilities		**Technical Advisor**	



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, and 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 (DBE, SBE, 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 include: (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, AASHTO's Standing Committee on Planning, and the National I-10 Freight Corridor Coalition. Key accomplishments include: (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 (ITTS); (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 include: (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			
Name	**Steve Cali, PE**	Years of relevant experience with this employer	8
Title	Senior Engineer/Program Manager	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization		BS / 1981 / Civil Engineering, Tulane University of Louisiana	
Active registration number / state / expiration date		PE #21941 / LA / Exp. 03/31/2028	
Year registered	1985	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**QA/QC and Technical Advisor**	



Mr. Cali is a Senior Program Manager with over 36 years' experience in civil engineering design, construction management and quality control for multi-discipline projects. His projects include U.S. Army Corps of Engineers (USACE) civil works; interstate and state highway design for LADOTD; apron rehabilitation for Louis Armstrong International Airport; roadway design for local municipalities; traffic and transportation studies for the Federal Highway Administration (FHWA) and municipalities; real estate development; and permitting issues and procedures at the federal, state and local levels. Throughout his career, Mr. Cali has managed flood control programs, highway and transportation programs, real estate development and water/wastewater programs. He is adept and knowledgeable in the key elements common to all of these programs including budgeting and scheduling, consultant management, design and preparation of plans and specifications, and effective communication.

Experience dates	Experience and qualifications relevant to the proposed contract
01/88 – 12/95	**LA US 165/167/425, Program Management, Line and Grade Study and Preliminary Design TIMED, Louisiana Department of Transportation and Development (LADOTD), Multiple Location, LA.** *Program Manager.* This project involved program management, ***Line and Grade Study*** preliminary design, and environmental evaluation of upgrading 130 miles of two-lane arterial to a four-lane arterial. Duties include coordinating sub-consultants, contract development, reviewing sub-consultants and in-house engineering, and providing senior oversight of highway design and traffic analysis. Mr. Cali was also involved in evaluating and recommending alignment alternatives, set-up of the project schedule using Primavera Software and tracking monthly progress of work. Project included interchanges and railroad overpasses.
06/24 – 12/25	**Desire Neighborhood Group A, New Orleans Department of Public Works, New Orleans, LA.** *Project Manager.* Responsible for this project consisting of streets, drainage, water line and sewer line replacements within the Desire Neighborhood. The project includes working with the New Orleans Department of Public Works and New Orleans Sewerage and Water Board to complete this project. Project includes FEMA and City funded infrastructure. Arcadis is providing design, bidding and construction management services.
01/23 – 12/25	**Bayou St. John, Fairgrounds, 7th Ward Group C, New Orleans Department of Public Works, New Orleans, LA.** *Project Manager*. Responsible for drainage improvement and street replacement for numerous streets within the Bayou St. John neighborhood. The streets included improvements to Leda Court, Verna Court, Marie Street, St. Vincent Street, Toulouse, N Lopez, Galvez, and Florida Ave. The design included complete drainage calculations for the upgraded stormwater infrastructure, ***roadway geometrics, and utility coordination*** and design. Existing water and sewerage lines are to be replaced as part of the project, as well. The updated design is critical to reducing street flooding within the neighborhood.
06/18 – 03/26	**St. Anthony Group A Streets Project, City of New Orleans, Dept. of Public Works and Capital Projects, New Orleans, LA**. *Project Manager*. Responsible for this project consisting of streets, drainage, water line and sewer line replacements within

	the St. Anthony Street neighborhood. The project includes working with the New Orleans Department of Public Works and New Orleans Sewerage and Water Board to complete this project. Project includes FEMA and City funded infrastructure. Arcadis is providing ***design and construction management*** services.
03/23 – 03/26	**Elmwood Parkway Drainage Improvement, Jefferson Parish Department of Capital Projects, Metairie, LA.** *Project Manager.* Responsible for the replacement of 2500 linear feet of stormwater piping and the associated roadway restoration. The project included the replacement of waterlines at each cross-street for reduction of future water main maintenance and future street demolition. The contract included the development of ***plans, specifications, construction cost estimate***, and bid documents.
09/05 –06/06	**USACE Task Force Guardian and Hurricane Protection Office, U.S. Army Corps of Engineers, New Orleans District, LA.** *Senior Program Manager and Branch Chief.* Member of the U.S. Army Corps of Engineers embedded Program Management team following Hurricane Katrina as part of the initial Task Force Unwatering (to unwater the area), Task Force Guardian (to effect immediate repair of the damages) and Hurricane Protection Office (to build the 100-year level of protection). Responsible for tracking budgets and schedules for 62 contracts valued at over $2 billion involved with the Program Management and Construction Management oversight of the single largest element of the Hurricane Storm Damage Risk Reduction System in New Orleans, a $1.3 Billion US open water surge barrier executed on a design-build basis in less than 4 years.
04/17 – 09/18	**CPRA Calcasieu Salinity Control Project Lake Calcasieu Salinity Control Project, Coastal Protection and Restoration Authority of Louisiana, Lake Charles, LA.** *Program Manager.* Assisting the Louisiana Coastal Protection and Restoration Authority with program and project management services on the Calcasieu Salinity Control Project. This $150 million-dollar project consists of five separate features along the Calcasieu Ship Channel in Calcasieu Parish, LA. These features are purposed to act as a salinity control barrier that will reduce salinity levels in Lake Calcasieu and surrounding coastal marshes. Specific duties include participation in all phases of Project Management, including the Project Plan, Schedules, Risk Registers, Permitting and ***Public Outreach Program***. A key service provided on this project is the management of a design team consisting of seven AE firms and multiple governmental review agencies.
11/22 – 03/26	**New Orleans Sewer and Water Board Pump Station 13 Expansion, Algiers, LA.** *Program Manager.* Responsible for this multi-discipline pump station expansion project. The existing capacity is increased by 1,800 cfs by adding three new 600 cfs electrical vertical drive pumps. This expansion required an expanded building, relocation and re-design of an electrical sub-station, relocation of existing fuel storage tanks,re-routing of fuel lines, and design of new intake and outfall systems through a hurricane protection wall. This project involved hydraulic and physical modelling of the expanded station designed to increase the pump station capacity. Coordinated between the Arcadis design team and the U.S. Army Corps of Engineers Project Delivery Team.
01/10 –12/13	**Inner Harbor Navigation Canal (IHNC) Surge Barrier and Seabrook Sector Gate, USACE New Orleans District, Orleans Parish, LA.** *Deputy Project Manager.* An embedded Deputy Project Manager working alongside USACE PM's to deliver these critical design build projects. Served as a liaison between the design build teams and the USACE Engineering Division. Reviewed and resolved design and construction issues to meet the construction schedule. Managed comments, reviews, and approvals through the Dr. Checks portal. Assumed a similar liaison role in the commissioning and development of O&M manuals for the IHNC structure.

Firm employed by. ARCADIS				Meets MPR No 4
Name	**Bonnie Bynum**		Years of relevant experience with this employer	23
Title	NEPA, Permitting & Cultural Resources Group Leader		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 1996 / Geology / University of West Georgia		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		**QA/QC Management (Environmental / Public Involvement))**		



Ms. Bynum is the National Environmental Policy Act (NEPA), Planning and Natural Resources Department Manager and a Senior Project Manager. Bonnie is responsible for the collaboration and coordination of projects among multiple environmental and engineering disciplines, including ecology and permitting; air quality; traffic noise; cultural resource; and traffic analysis. She manages and prepares environmental impact documents in accordance with NEPA, and leads and develops public outreach programs and meetings. Bonnie has 30 years of experience working with various DOTs across with south, Federal Highway Administrations (FHWA), State Historic Preservation Offices (SHPO), state resource agencies, and the U.S. Army Corps of Engineers (USACE). Certifications/Training include FHWA-NHI NEPA/ Transportation Decision Making; NHI Environmental Justices; National Preservation Institute, Section 106 for Experienced Practitioners; Institute for Participatory Planning and Management Systematic Development of Informed Consent; and Streamlining Section 106 and NEPA.

Experience dates	Experience and qualifications relevant to the proposed contract
01/19 – 01/23	**I-85 Planning and Environmental Linkages (PEL) Study, GDOT, DeKalb and Gwinnett Counties, GA.** *Environmental Advisor* to project team on environmental resources, alternatives, and stakeholder engagement for a complex corridor study that examined the portion of the I-85/I-285 interchange north for 18 miles of congested interstate. Advisory focuses around transportation planning, environmental screening, ***Planning and Environmental Linkages***, stakeholder and public involvement.
11/18 – Ongoing	**I-285 Westside Express Lanes, GDOT, Fulton and Cobb Counties, GA.** *Environmental Director* overseeing the preparationof an ***Environment Assessment (EA)*** for the construction of over 12 miles of managed/tolled lanes along the western segment of I-285. The project will also include the reconstruction of five interchanges. The corridor is flanked with over 60 Waters of the US, a major river crossing, two railroads, and major utilities. Bonnie has assisting in the stakeholder engagement, social media, and virtual public involvement open house. The current schedule anticipates an approved EA in late 2027.
03/18 – 07/20	**SR-396 Saturn Parkway Extension DB, TDOT, Michael Baker International, Maury County, TN.** *NEPA Lead* responsible for preparing the approved Categorical Exclusion Re-evaluation for construction of a new location roadway creating a direct route from I-65/SR 396 to SR 247 allowing direct access of truck traffic to General Motors plant. The Contractor proposed an ***Alternative Technical Concept*** (ATC) that was accepted by TDOT. The ATC and project final design will now relocate several hundred feet of a USACE jurisdictional stream and require on-site mitigation. Extensive permitting including NOIs, Section 404 permitting, Steam Buffer Variance, and a SWIPP were required.
06/16 – Ongoing	**I-285/SR 400 Interchange Environmental Assessment, GDOT, Fulton County, GA.** *Quality Control Manager* for a ***fast-track Environmental Assessment (approved by FHWA in 12 months)*** for the reconstruction of the I-285/SR 400 interchange and the construction of CD lanes along I-285 for approximately 4.5 miles. Technical expertise was used to minimize impacts within a project area that included 20 historic resources/districts, 31 waters of the U.S., an environmental justice

	community, and a public park. Detailed indirect and cumulative effects analysis and an Individual Section 404 permit were required. Currently overseeing re-assessment/re-evaluation efforts associated with design changes by the Design–Build contractor.
09/15 – 12/17	**I-285 at Riverside Drive Interchange Roundabout, GDOT, Fulton County, GA.** *Environmental lead* for safety improvements converting existing signalized intersection at ramp terminals of I-285 with Riverside Drive into single-lane roundabouts. The roundabout configuration improved interchange safety without widening the existing bridge. Bonnie led the preparation of a ***NEPA Categorical Exclusion*** as well as extensive environmental research to accommodate right-of-way (ROW) and historical properties in the project area. Post-let, Bonnie worked with GDOT to prepare Environmental Re-evaluation to incorporate design changes resulting from final design and ROW negotiations. The project is open to traffic.
12/16 – 10/17	**I-75 Commercial Vehicle Lanes (CVLs) Scoping Phase, GDOT, Monroe/Lamar/Butts/Spalding/Henry Counties, GA.** *Lead Environmental Manager* responsible for overseeing the screening of environmental constraints for three concept alternatives for CVLs along a 40-mile corridor of I-75. As part of Arcadis' commitment to our DBE mentoring program, Bonnie guided Aulick Engineering environmental staff on what to screen for, what databases to research, how to work with engineering staff to develop an environmental constraints map and identify environmentally sensitive resources that must be avoided. Additionally, Bonnie worked with her own staff to develop a project justification statement and ***Purpose and Need Statement*** to support improved mobility within the I-75 corridor.
06/16 – 03/18	**I-16/I-95 Interchange Widening, GDOT, Chatham County, GA.** *NEPA Lead*. Overseeing preparation of Categorical Exclusion (CE) document for I-16 widening between I-95 and I-516, as well as reconstruction of the I-16/I-95 interchange. Successfully provided justification and worked with GDOT and PMC to receive ***FHWA concurrence to reduce NEPA class of action from*** an EA to a CE in a corridor that involves five historic canals, a community highly concerned with noise impacts, and extensive waters of the U.S. The project has been let to construction.
10/17 – Ongoing	**Kennesaw Mountain Pedestrian Improvement, GDOT, Cobb County, and City of Marietta, GA.** *Environmental Quality Manager.* Responsible for the ***Environmental Assessment / Finding of No Significant Impact (FONSI)*** and environmental re-evaluation for an approximately 7-mile multi-use trail. The project was delivered in partnership with the National Park Service, GDOT, Cobb County, and the City of Marietta. Arcadis was responsible for ***public involvement management*** and served as agency liaison. The EA was written with specific NEPA requirements of FHWA/GDOT but also included NPS requirements specific to Director's Order (DO)-77-1, which speaks to NPS requirements for wetland and stream delineations. Once FHWA/GDOT approved the document, Arcadis prepared a separate NPS FONSI and Impairment Statement that adopted the FHWA/GDOT EA. The project has been awarded and construction is underway.

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. 12/31/2026 PTOE #1588 / USA / Exp. 03/2029 RSP #104 / USA / Exp. 12/2027		
Year registered	2008	Discipline	Traffic Engineering
Contract role(s) / brief description of responsibilities	**QA/QC Management (Alternative Development)**		



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/entertainment facility planning, highway signing/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 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), GDOT, Georgia.** *Project Manager* of three-year, $12M project to provide safety analysis and design service support for GDOT Districts 3 and 6. Responsibilities are to advance safety projects through ***preliminary traffic engineering*** and Concept Report phases and complete preliminary and final design. Typical safety projects include Road Safety Audits, evaluation & recommendation of safety countermeasures, and project initiation and plan preparation for ***safety improvement projects***. Projects have included ***intersection conversion to a roundabout***, DDI or other safer intersection forms. As part of this project, developed Intersection Control Evaluation (ICE) tool to automate the evaluation and recommendation for the safest and most cost-effective intersection control type improvements.
01/18 – 05/18	**US 61 Corridor Feasibility Study (Airline Hwy), LADOTD, East Baton Rouge Parish, LA.** *Technical Advisor***.** Responsible for supervisory and oversight for this feasibility study. The purpose of the study is to assess traffic operations and potential safety improvements for this urban, 4-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 HCM and HSM methodologies.
03/17 – 09/25	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement (SEIS), 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 NCDOT.** *Project Manager*. Responsible for managing 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. Also performing express design services to expedite project delivery.

10/14 – 03/15	**SR 141/State Bridge Road Innovative Intersection, City of Johns Creek, Georgia.** *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. VISSM 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, Georgia.** *Lead Task Manager.* Traffic analysis and Interchange Modification Report (IMR)/Interchange Justification Report (IJR) development to support ***NEPA Environmental Impact Statement (EIS)*** document for $834 million managed lane corridor to improve 26 miles on I-75 and I-575. Supervised the traffic forecasting using 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 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, Georgia.** *Project Manager.* Study to perform ***public involvement, traffic analysis, design concept, environmental study and NEPA Environmental Assessment*** document preparation, and preparation of preliminary plans to improve Atlanta Street between SR 120 and the Chattahoochee River (1.5 miles) by removing a current reversible lane system. 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. 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.** *Lead Author* in development of the Quadrant Roadway Intersection Informational Guide published by FHWA through a partnership with NCDOT. The guide is the 5th in a series on ***innovative intersection designs*** and highlight national experience with this emerging new intersection form, designed to reduce congestion at bottleneck intersections. There have been four Quadrant Roadways built in the US, and the Guide draws on experience and operational analysis of this new intersection form to encourage other State DOT's to implement where appropriate.

Firm employed by. ARCADIS			
Name	Kristen Kasmire, PE, SE	Years of relevant experience with this employer	10.5
Title	Bridge Practice Lead	Years of relevant experience with other employer(s)	18.5
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. 09/2027; PE026701 / GA / Exp. 12/2026	
Year registered	2001	Discipline	Civil Engineer / Land Surveyor
Contract role(s) / brief description of responsibilities		**QA/QC (Bridge Design)**	



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, 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 **QAQC 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*. The GA Transportation Investment Act funded project will ***replace an at-grade railroad crossing with a grade separated crossing***, improving safety and reducing travel delays on Buena Vista Road. Approximately 7 trains per day cross Buena Vista Road causing significant delays to the 27,000 cars traveling that corridor. Through analysis of traffic patterns in the area, the corridor will be re-aligned, and several intersections reconstructed to improve traffic flow and reduce congestion. The project will require staging of traffic to construct the grade separation while limiting impacts to the traveling public. The project also includes 4 retaining walls and the replacement of an existing bridge carrying Buena Vista Road over Bull Creek. The bridge will be replaced using stage-construction.
09/16 – Ongoing	**I-16 / I-95 Interchange Widening, GDOT, Chatham County, GA.** *Project Manager and Bridge Design Lead*. Responsible for the delivery of ***roadway and bridge costing plans***, full survey database, and an approved environmental document (Categorical Exclusion) to support this Interchange Reconstruction and Interstate Widening project. As bridge lead, Kristen 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 GDOT to evaluate costs and right-size project scope. With the better-defined scope, Kristen oversaw preparation of costing plans for the new flyovers, replacement of four bridges, and repair of five bridges. She ***coordinated the bridge work*** that was performed in-house and by subconsultants, ***ensuring consistency across all deliverables***. As the Project Manager, Kristen leads a multi-disciplinary team and works closely with GDOT's Office of Innovative Delivery to ensure the costing plans and supporting documents are 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, LADOTD, Jefferson and Orleans Parishes, LA.** *Structures Technical Advisor*. Provide ***high-level structural guidance and review*** for the replacement of overhead and roadside sign structures. The existing and proposed sign structures are 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*. ***Oversight of bridge design and plan production*** to ensure project met the requirements of the City, complied with AASHTO and City policies, and underwent Arcadis ***Quality Control and Quality Assurance process***. The project will replace an existing bridge on Alphonse-Forbes Road over Sandy Creek with a new 9-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*. This project will ***replace a structurally deficient bridge*** and provide operational improvements to traffic on SR 11. The project will relocate SR 11 west of its present location, for a total of 0.57 miles. The proposed new bridge will be a 280' x 44' 3-span pre-stressed concrete (PSC) beam bridge and will be located just west of the existing bridge. The relocated SR 11 will consist of two 12' lanes with 10' rural shoulders (4' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed to maintain local and through traffic during construction.
09/15 – 06/18	**I-85 Express Lanes Design Build (DB), Georgia Department of Transportation (GDOT), Gwinnett County, GA.** *Bridge Design Lead*. Responsible for ***producing design plans for impacted bridges*** to accommodate expansion of a congested Metro Atlanta interstate. The design plans propose to completely replace the southbound (SB) bridge over I-985; constructing 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 is a three-span PSC beam bridge, utilizing 74-inch Bulb Tee beams to span up to 163 feet. The bridge is supported on concrete piers with a mix of spread and pile footings and will be stage-constructed to maintain interstate traffic. NB managed lane bridge over I-985 is 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 are four-span bridges with span lengths ranging from 52 to 96 feet. The widening will be constructed of 54-inch Bulb Tee beams supported on reinforced concrete intermediate bents and steel h-pile end bents. Rock is shallow around the bridge, and foundations will be a combination of spread footings founded on rock and pile supported footings.
10/14 – 08/16	**I-75 South Managed Lanes Design-Build, GDOT, Henry County, GA.** *Bridge Design Lead*. Responsible for the ***design of 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***. Project includes 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 uses 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 to I-675 on northern terminus is included and provides slip ramps on I-675 near SR 138.

Firm employed by. N-Y ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS				Meets MPR Nos 14 & 15
Name	**James Simmons, PE**		Years of relevant experience with this employer	32
Title	Vice President and Director of Planning		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			BS / 1977 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE. 19891 / LA / 09-30-2027	
Year registered	1982	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Roadway Design QAQC / Public Involvement and Stakeholder Engagement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Simmons has over forty (40) years experience in the planning, design and construction engineering of roadways and bridges. Mr. Simmons has served as the project or deputy project manager on all of N-Y's LADOTD projects since joining N-Y in 1994, affording him extensive knowledge of LADOTD and AASHTO criteria and requirements. James has **completed the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making."** Prior to joining N-Y, he had fifteen (15) years experience designing bridges to FHWA and AASHTO standards with other firms. Mr. Simmons provided Geometric Design, Roadway / Bridge / Drainage Design, Rights-of-Way and Cost Estimates for each project listed below.
06/08 – Ongoing	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA.** ***Environmental Impact Statement for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10*** in St. John Parish with a new roadway across wetlands. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final FEIS.
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA.** Engineering, Environmental, and Planning Services for a Stage 1 Environmental Assessment (including ***Concept Engineering Design***) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment addresses the ***LADOTD Complete Streets*** policy and includes pedestrian and bicycle facilities. Several small bridges are also included.
03/14 – 12/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment; Tangipahoa Parish, LA.** Stage 1 Environmental Assessment (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new ***bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians***.
11/21 – Ongoing	**Replacement of Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA.** H&H Modeling utilizing LADOTD HYDRWIN software and USACE HEC-RAS, and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD Districts 08, 58 and 05. Solicitation of Views and Preparation of the Categorical Exclusion documents in compliance with NEPA and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Ratings.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA.** Geometric Design Study, ***Stage 1 Environmental Assessment,*** and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Access Point Request (APR) report and design for an addition of a fully directional

	interchange to I-12 at LA 1088. The interchange includes. 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A new 446 LF westbound 2-lane bridge using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
03/12 – 09/15	**Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA.** Engineering, Environmental, and Planning services for a ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders for bicycling.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139. Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA.** Feasibility Study and Environmental Inventory (including ***line and grade***) for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. ***Plans, profiles, and cost estimates*** were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a Stage 1 Environmental Assessment.
04/01 – 06/07	**East-West Corridor Multi-Modal Environmental Impact Statement; Jefferson, Orleans and St. Charles Parishes, LA.** An Environmental Impact Statement, including ***alignment studies and impact analysis of the build alternatives*** necessary to obtain a ***Record of Decision (ROD)*** for this multi-modal transit and highway corridor. N-Y's work focused on the development of Airline Highway widening alternatives (six and eight lanes) and new at-grade and elevated expressway alternatives (six and eight lanes with four lane services roads) to alleviate congestion in a seven (7) mile corridor.
08/11 – 10/14	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment; Plaquemines Parish, LA.** An Environmental Assessment for the reconstruction of a 3.8 mile segment of LA 23 from two-lanes to four-lanes. The EA included the development, refinement, and ***analysis of alternatives, conceptual roadway and drainage plans, cost estimates*** and an analysis of likely impacts.
04/06 – 12/12	**Environmental Assessment for Ambassador Caffery Parkway (Willow Road to Carenco); Lafayette Parish, LA.** A ***Line and Grade Study*** and Environmental Evaluation, and an Environmental Assessment for an extension of Ambassador Caffery Parkway, a major North-South thoroughfare in Lafayette Parish. The total length of the project is approximately eight (8) miles, including tie-ins to two (2) existing interchanges at I-10 and I-49, with improvements to the Interchange at I-10.
07/04 – 03/08	**Environmental Assessment and Preliminary Engineering for a New Lapalco Boulevard Bridge Crossing the Harvey Canal; Jefferson Parish, LA.** Line & Grade Study and an Environmental Assessment (including ***Preliminary Engineering Design***) for a new westbound, double leaf bascule (moveable span) bridge crossing the Harvey Canal at Lapalco Boulevard parallel to the existing moveable bridge. The project also included the conversion of the existing bridge to an eastbound, three-lane facility with a separate bicycle/pedestrian lane.
02/03 – 05/07	**Environmental Assessment and Related Studies for the Florida Avenue Bridge and Expressway; St. Bernard and Orleans Parishes, LA.** Stage 1 Environmental Assessment and Concept Engineering Design including fixed span and moveable span ***bridge alternatives and various corridor plans (including an elevated roadway over wetlands in St. Bernard Parish)*** for roadway widening and interchange alternatives. Development of various at grade and elevated interchange alternatives; Corridor Study; and Alignment Study.

Firm employed by. ARCADIS				Meets MPR No. 13
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			**Pre-NEPA Activities – *Services Lead;* Traffic & Safety Engineering; Complete Streets**	



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

Experience dates	Experience and qualifications relevant to the proposed contract
07/14 – 06/23	**Pete's Highway Traffic Study and Environmental Assessment, LADOTD, Denham Springs, LA.** *Traffic Engineer.* Responsible for traffic analysis of proposed alternatives using Vissim software. Played a key role in the development of preliminary roadway design drawings incorporating Complete Streets. Work involved completing an Environmental Assessment and Line and Grade and providing ***traffic engineering services related to improving operations and safety*** along Range Avenue at the I-12 interchange. Developed an Interchange Modification Report including traffic study results and FHWA Policy Points.
04/22 – Ongoing	**LA 30 (I-10 to EBR Parish Line) Environmental Assessment (EA), LADOTD, Ascension Parish, LA.** *Senior Traffic Engineer.* Responsible for ***technical advisory of traffic engineering*** tasks including traffic data collection, peak period observations, volume projections and Highway Capacity Analysis (multi-period analysis using Highway Capacity Software) and ensuring conformance with LADOTD TEPR Requirements.
03/17 – Ongoing	**I-49 Supplemental Environmental Impact Statement (EIS), LADOTD, St. Mary Parish, LA.** *Senior Traffic Engineer.* Responsible for traffic engineering tasks including data collection, volume development, Vissim microsimulation model calibration, and ***alternative development and analysis***. The purpose of the project is to conduct a Supplemental Environmental Impact Statement (SEIS) study to quantify the impacts of converting US-90, which has numerous existing access connections, to a control of access interstate (future I-49) facility. Arcadis developed a ***unique volume development methodology*** to estimate the redistribution of traffic that would result from the conversion of US-90 to I-49.
07/14 – Ongoing	**US 11 Environmental Assessment (EA), LADOTD, St. Tammany Parish, LA.** *Traffic Engineer.* Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, alternative development, and noise modeling for the proposed widening of US 11 between US 190 (Gause Blvd) and I-12 in Slidell, LA. The proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. This project includes analyzing several ***innovative alternatives for the proposed corridor, including "superstreets" and J-turn concepts.***

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

Firm employed by. ARCADIS			
Name	**Otto Clemente, PE**	Years of relevant experience with this employer	8
Title	Certified Project Manager	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		MS / 2005 / Community Planning, University of Maryland BS / 2003 / Civil Engineering, Villanova University	
Active registration number / state / expiration date		PE. 043007 / GA / Exp. 12/31/2026	
Year registered	2018	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Alternative Evaluation / PEL to NEPA Crosswalk – *Task Lead***	

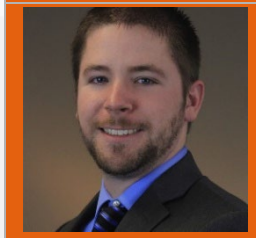


Mr. Celemente is an Arcadis Certified Project Manager with **20 years of experience providing traffic engineering and transportation planning solutions**. He leads Arcadis' US-based Mobility Advisory transportation modeling practice. His career has focused on conducting transportation studies that move complex projects through regulatory requirements. He has deep experience in complex urban transportation demand modeling. He is proficient in using Cube, Synchro, SimTraffic, VISSIM, VISUM, and HCS. He has worked on many large-scale interstate corridor studies where he has developed proven strategies for screening numerous alternatives to arrive at a set of project recommendations.

Experience dates	Experience and qualifications relevant to the proposed contract
02/19 – 08/25	**I-85 Planning and Environmental Linkages (PEL) Study, Georgia Department of Transportation (GDOT), DeKalb and Gwinnett Counties, GA.** *Project Manager* for an 18-mile Interstate corridor study. ***The study is the first in Georgia to use FHWA's PEL process,*** a flexible approach to transportation decision-making that aims to minimize duplication of environmental compliance efforts, enhance relationships with regulatory agencies, and streamline project delivery. The study follows a structured, data-driven approach to recommend a series of projects that will ***reduce congestion, enhance traffic operations, and improve safety***. Responsibilities include management of multidisciplinary teams of engineers, planners, and NEPA practitioners and directing the use of transportation modeling software and big-data platforms to identify insights and evaluate potential alternatives.
07/21 – Ongoing	**Planning Consultant Services IDIQ, GDOT, Statewide, GA.** *Project Manager* overseeing on-call planning consultant services for GDOT Office of Planning. In this role, Otto is ***leading a diverse range of planning studies including regional studies, countywide transportation plans***, and ***corridor studies***. Otto leads multidisciplinary teams of planners, engineers, communication specialists, modelers, and data analysts in conducting studies throughout the state of Georgia. He distills key insights from complex travel forecasting models and emerging big-data sources to give the public, stakeholders, and key decision makers the information they need to plan infrastructure investments for their communities.
04/18 – Ongoing	**Public-Private Partnership (P3) Division General Engineering Consultant (GEC), GDOT, Statewide, GA.** *Transportation Planning and Modeling Disciplines Lead* for on-call contract where Arcadis 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 owner's side reviews during final design and construction in the Post-Let phase. Arcadis has served as GEC on numerous simultaneous alternative delivery projects, including economic development initiatives, bridge replacements, interstate widenings, interchange enhancements, and operational improvements in highly constrained environments. Under this contract, Otto led a scoping study of express lanes on I-20 in the Atlanta Metro. He

	made recommendations on extent of the proposed express lane system and location of access points. He ued StreetLight origin-destination data to understand travel patterns on I-20 and determine routes most likely to benefit from express toll lanes
05/23 – Ongoing	**Houston District Planning IDIQ, Texas Department of Transportation, Houston, TX**. *Transportation Modeling Lead.* Oversee and provides quality control for ***transportation study modeling analysis*** activities. Determine modeling approach for projects (macro, meso, or micro) to fit the needs of the client.
02/19 – 01/22	**Cobb County Comprehensive Transportation Plan Update, Cobb County Department of Transportation, Cobb County, GA.** *Travel Demand Modeling Lead* managing the use of Atlanta region's activity-based travel demand model to evaluate transportation projects to be included in Cobb County's 2050 update to its ***Comprehensive Transportation Plan.*** Collaborated with a multi-disciplinary team of planners, public involvement specialists, and local government staff to develop metrics that can be derived from the regional model to illustrate travel patterns and to evaluate how proposed transportation projects meet the plan's goals.

Firm employed by: ARCADIS				Meets MPR No. 22
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		**Hydrologic and Hydraulic Analysis**		



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				Meets MPR No. 14
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. 03/31/2027	
Year registered	2003	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Line and Grade; Preliminary Engineering**	



Mr. Rodriguez has more than 26 years of experience with roles of progressive responsibility as a civil engineer performing **roadway design**, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, **cost estimating**, and project implementation for various clients in the states of Louisiana, Texas, Georgia, and North Carolina. He was worked closely with the Louisiana Department of Transportation and Development, City of New Orleans Department of Public Works, New Orleans Sewer and Water Board, Plaquemines Parish, Jefferson Parish, **St. Bernard Parish**, U.S. Army Corps of Engineers, and New Orleans Regional Planning Commission. 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 (ACI) 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 P3, LADOTD, Calcasieu Parish, LA.** *Senior Roadway Engineer* for the I-10 Calcasieu Bridge Replacement Public-Private-Partnership (P3) project to replace the existing I-10 bridge over the Calcasie River with a new bridge north of I-10. The project also includes the construction of several new bridge structures within the project limits, both inside and outside widening of I-10, improvements and modifications to existing interchanges, and improvements to other associated roadways within the project limits.
04/21- 04/22	**Lee Drive (Highland Road to Perkins) Final Design Study Report, MOVEBR, East Baton Rouge Parish, LA**. *Senior Roadway Engineer. Designer,* Responsible for coordinating and ***developing concept drawings to evaluate the geometric feasibility of different roadway alternatives***, proposed improvements, and anticipated right-of-way needs. Provided technical guidance to help identify green infrastructure opportunities along the project. Also assisted in the implementation of Complete Street regulations for the corridor. During the alternative's selection process, ***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 (STP), LA.** *Roadway Designer.* Responsible for evaluating environmental issues and ***developing design alternatives in accordance with the National Environmental Policy Act (NEPA)*** 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 dollars. 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. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
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 U.S. Army Corps of Engineers.
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. During construction, Jose 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, LA.** *Quality Control (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 [DB]), LADOTD, New Roads, LA.** *Roadway Designer.* Responsible for the ***geometric horizontal and vertical alignment*** for five approach bridges to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of a 1,583' main span. Also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.

Firm employed by. ARCADIS			Meets MPR No. 15
Name	**Victor Sanchez, PE**	Years of relevant experience with this employer	2.5
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. 09/30/2026	
Year registered	2008	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Bridge Concept Study; Preliminary Bridge Design; Preliminary Engineering**	



Mr. Sanchez is the Lead Bridge and Structural Engineer for Arcadis' Louisiana Operations. Victor is highly skilled with 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 the modeling and planning of bridges. Project applications include 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 and a willingness to work collaboratively with different groups inside the organizational team, including clients, other disciplines' engineers, and project managers within the project organization. His exceptional leadership skills, combined with his knowledge of the LADOTD policies, standards, and manuals, make him an ideal 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 entails the replacement of several bridges, including the main structure crossing over the Calcasieu River. The project is divided into three segments. Arcadis is leading the design of Segment 1 that includes the replacement of the WB I-210 Ramp over I-10. The bridge is a six-span bridge that consists of two units, each unit is a three-span continuous curved steel plate girder bridge, and the substructure consists of concrete hammer-head piers on concrete spread footing on precast concrete piles. Role as Bridge Lead Engineer and EOR is to guide a team of engineers and drafters to ***prepare plans, calculations, and quantity takeoff*** for the replacement of the WB I-210 Ramp over the I-10, and work along with other partners in coordination meetings with the owner and the contractor for this project.
10/22 – Ongoing	**Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Replacement (OSBR) Program, District 01, LADOTD.** *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.* Responsible ***bridge design 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 a high frequency of opening due to marine traffic and low elevation above the river. Arcadis developed several bridge alternatives, including fixed and movable bridge options. ***Alternatives were evaluated with respect to construction cost, ROW, traffic and safety, and environmental***. All study methods and results were documented in a Stage 0 Feasibility Report with Preliminary Scope and Budget Checklist and an Environmental Checklist.

06/14 – 07/15	**I-10 Over Julia Street, Girder Rehabilitation Project, LADOTD, New Orleans, LA.** *Bridge Design Engineer / Engineer of Record*. Led bridge design to address partial failure of connecting plates attaching girders to straddle bents on an I-10 exit ramp. Scope included replacing a steel cap beam at straddle bent 25w, all connecting plate elements at cap 26w, and analysis/rehabilitation of the affected three-span continuous structure (74'-132'-132'). ***Coordinated contract documents, plans, calculations, estimates, and provided QC/QA.*** Supported construction by reviewing and approving contractor shop drawings and calculations.
05/16 – 05/17	**Union Pacific Railroad Overpass Near Tioga, LADOTD, Rapides Parish, LA.** *Lead Bridge Design Engineer / Engineer of Record*. 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 footings on drilled shafts. ***Conducted bridge design as the Lead Engineer and Engineer of Record (EOR), responsible for the contract document preparation, including cost estimating, specifications, final plans 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 Engineer of Record*. The total bridge length is 675' and consists of 3 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. Served as Lead Engineer and Engineer of Record (EOR), responsible for the contract document preparation, including cost estimating, specifications, ***final plans 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 main superstructure elements over three continuous spans (102'-175'-102'); the bridge approaches consist of three 84' continuous spans at the north side and to the south side, three 84' continuous spans for a total structure length of 883' located in a straight alignment and skew of 68 degrees concerning a line normal to the center line of the bridge. The main superstructure elements of the approaches are prestressed concrete AASHTO Type IV girders, and the bridge substructure consisted of multi-column bents on concrete footing 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***. In addition, provided load rating and construction support, reviewing the shop drawings submitted by the general contractor.
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 CSX railway, 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 local staff coordination to maintain budget control and timely delivery*** to NCDOT.

Firm employed by ARCADIS				Meets MPR Nos. 8 & 9
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			**Wetland Delineation and T&E Surveys; Regulatory Permitting and Mitigation**	



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, Louisiana. 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. Mr. Guidry was brought in to help 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- 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 was tasked with the assessment and design of several possible stormwater retention projects within the drainage basin to reduce and control stormwater flows during large rain events. Mr. Guidry completed a desktop assessment of environmental resources and prepared a project impact evaluation and permitting matrix for project planning and stormwater design. He completed wetland determinations on proposed project sites to determine the impacts from the project layout. Mr. Guidry 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.
11/23 – 01/25	**Caad Kuujaamnix/Bayou Sale Living Shoreline Project, Wayti Services, LLC (Chitimacha Tribal Enterprise), St. Mary Parish, LA.** *Project Manager / Permitting Specialist.* Worked with team on budget and scope of project as well as initiation meetings. Coordinated with archaeological team for airboat investigation of shallow inshore waters and shoreline in the project area. Performed ***ecological terrestrial and aquatic assessment*** and environmental site investigation via airboat to look at erosion issues, ecological features, endangered species, native and invasive vegetation, and review of project area in support of a NEPA Environmental Assessment.
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***.
10/22 – 01/25	**Stennis Space Center, Handcock County, Mississippi.** *Permitting Specialist / Wetland Delineator.* Performed site work, wetland determinations, endangered species compliance, and report findings on multiple proposed roadways and construction site pads for Relativity Space within the Stennis Space Center. Secured USACE jurisdictional determinations for four projects. Worked with engineering staff on project layouts and regulatory compliance. Completed four Section 404 CWA permit applications for the NASA programmatic permit through the USACE and Mississippi Department of Marine Resources for a roadway project and multiple large rocket testing facilities.
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* overseeing 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 a Wetlands Study and preparation of a ***Wetlands Assessment Report*** and permitting for this project, which was prepared in accordance with NEPA standards.

Firm employed by: ARCADIS			Meets MPR No. 10
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 / US / Exp N/A	
Year registered	2009	Discipline	Archaeology
Contract role(s) / brief description of responsibilities		**Cultural Resources Reconnaissance**	



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 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	**GDOT Environmental Services Region 3 On-Call Contract; Multiple Counties, GA/Multiple PIs.** *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 includes compiling the results of environmental studies into documents that are compliant with NEPA***; conduct QC reviews of environmental studies and NEPA documents, and plan and conduct public outreach on behalf of GDOT in accordance with OES Environmental Guidebooks, Published Environmental Guidance, and the Georgia Department of Transportation Plan Development Process.
10/20 – Ongoing	**GDOT General Engineering Consultant (GEC) and Construction Engineering & 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 navigated project challenges and unique variables such as a third-party permit applicant and facilitated 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, Georgia Department of Transportation PI 0015245, 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, Morgan, Newton, and Walton Counties, GA for GDOT PI 0017219, 0018363, 0018361, 0019451.** *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, provided 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, Dekalb County, GA for Georgia Department of Transportation PI 0016054.** *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 prioritized project activities to ***meet stakeholder commitments on an aggressive delivery schedule;*** provided design support to the GDOT led design team, including leading constructability and staging reviews; developed RFP TPs; coordinated with several stakeholders on overlapping transportation and land development projects; and evaluated ATCs. As post let environmental lead, provided weekly environmental support consisting of reviewing contractor environmental reports, design plan changes, and related submittals and leading NEPA reevaluations 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 (2012-2017) and then ***cultural resources manager as a consultant (2017-2020). 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: review of consultant invoices, scheduling monitoring, contractor compliance with WSDOT contract specifications. Responsive to changing schedules and unanticipated discovery response 24/7.

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		AICP #012110 / USA / Exp. 12/31/2027	
Year registered	1996	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Intermediate Toll Analysis; Financial Plan**	



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)*

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* 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. 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. 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. 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, carried out both technical and administrative responsibilities. 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. 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.* 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.* 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.
03/17–04/18	**Traffic Engineering Support for Osceola County Expressway Authority (OCX) Master Plan Concept, Feasibility, and Mobility Studies, CFX, Osceola County, FL.** *Project Manager. M*anaged ***the design T&R traffic analysis for the four OCX Master Plan*** projects evaluated in separate Concept, Feasibility, and Mobility Studies: the Osceola Parkway Extension, the Northeast Connector Expressway, the Southport Connector Expressway, and the Poinciana Parkway Extension. Coordinated with the four design consultants on design traffic, design alternatives, and traffic engineering support, and she directed the revenue analysis of the design alternatives along with the T&R estimates for multiple alignments.
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.* 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. 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. 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				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			**Purpose and Need; Section 4(f)/6(f) Evaluations; NEPA Documentation**	



Ms. Hughes brings **28 years of experience with the 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. DOT Act documentation for FHWA and U.S. Coast Guard. Jan had primary responsibility for authoring NEPA documents, including the Airline Highway Environmental Assessment for FHWA for which a FONSI was issued, and the Oaklawn Bridge Categorical Exclusion Reevaluation approved by FHWA. In addition to the projects listed below, throughout her career Jan 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. Jan 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 environmentaly sensitive areas. The purpose of study was to develop and evaluate safety countermeasures to address pedestrian safety needs on sevrn 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.
04/24 – Ongoing	**I-20 Widening Monroe, LADOTD, Ouachita Parish, LA**. *Environmental Planner and Public Meeting Coordinator.* 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. Prepared public meeting report.
11/22 – Ongoing	**US 11 Norfolk Southern Railroad, Route US 11, Environmental Assessment/FONSI, LADOTD, St. Tammany Parish, LA.** Coordinating with LADOTD regarding the ***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. This included technical studies to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, and secondary and cumulative effects analysis.
4/23 – 4/23	**Airline Highway North (Florida Blvd to I-110), Route US 61, City of Baton Rouge and East Baton Rouge Parish, East Baton Rouge Parish, LA.** Assisted with preparation of the Stage 0 checklist.
10/22 – 05/23	**LA 16 (Pete's Highway)/I-12 Interchange, Route LA 16, Environmental Assessment, LADOTD, Livingston Parish, LA.** Coordinated with LADOTD to revise the ***Draft Environmental Assessment*** to incorporate the rewritten construction phasing section of the document.

10/22 – 05/23	**Rural Bridges Initiative II, Districts 02, 03, 07, 61, and 62, LADOTD.** Reviewed and provided comments on draft Programmatic Categorical Exclusion documents for multiple projects.
02/94 – 08/98	**Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Hwy., Environmental Assessment/FONSI, LADOTD, East Baton Rouge Parish, LA.** *LADOTD NEPA Lead.* Widening of this approximately 3.5-mile portion of Airline Highway from four lanes to six lanes. Responsible for handling the NEPA process and primary responsibility for authoring the ***Environmental Assessment 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.* 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 primary responsibility for 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, Environmental Assessment, LADOTD, Jefferson Parish, LA.** *LADOTD NEPA Lead.* 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 Rd (LA 523) to Future I-69 Corridor, Environmental Assessment, 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 Environmental Assessment for FHWA.
04/01 – 12/06	**I-49 South, Wax Lake Outlet to Berwick, Route US 90, EIS/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 ***Environmental Impact Statement (EIS)/Record of Decision (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 Environmental Impact Statement (SEIS), LADOTD, Lafayette Parish, LA.** *LADOTD NEPA Lead.* Preparation of a SEIS that includes follow-up to commitments made in the 2003 Record of Decision (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				Meets MPR No 3
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; BS / 2010 / Social Science	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**NEPA Documentation – *Task Lead***	

Experience dates	Experience and qualifications relevant to the proposed contract
	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 (NHPA), and other related laws, regulations, and policies. Serving as an Environmental Planner, Daniel manages 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. Daniel 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, Daniel 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, Cobb, Fulton, and DeKalb Counties, GA.** *Environmental Discipline Lead.* Managed both the technical and administrative aspects of the Environmental team. Daniel ***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.*** For each of these, Daniel produced or managed the production of various and numerous ancillary technical studies and documents. He 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, FHWA, and other regulatory agencies to successfully meet expectations and schedule.*** Daniel also instituted and executed an Environmental quality control program that helped to maintain deliverable quality while achieving greatly accelerated production and review timeframes. Daniel also developed, managed, and handed off the Project's Public Involvement and Communications Team. Since joining Jacobs in 2019, Daniel has 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.
02/18 – 02/19	**SR 236 at SR 42 Intersection Improvements. Georgia Department of Transportation, Fulton County, GA.** *Deputy Project Manager.* GEPA Lead, and Lead Archaeologist for a state-funded intersection improvements project in Fulton County, Georgia. 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. Daniel strategized with the client and with his

	counterparts at the Georgia Department of Transportation and provided a work plan which helped to maintain the project schedule.
03/17 – 03/19	**Madras Connector, Georgia Department of Transportation, Coweta County, GA.** *Deputy Project Manager.* NEPA Lead, and Lead Archaeologist for a federally-funded new-location bypass project in Coweta County, Georgia. Due to a late discovery of a state-protected environmental resource on the project, Daniel ***revised the project environmental work plan, coordinated with state agencies, and provided scope for additional services.***
03/17 – 03/19	**Hereford Farm Road Widening and Improvements, Georgia Department of Transportation, Columbia County, GA.** *Environmental Discipline Lead and Lead Archaeologist.* Federally-funded road widening and improvement project in Columbia County, Georgia. As NEPA Lead, Daniel a***ssisted in preparing for and executing Public Involvement events and drafted responses to public comments.*** In doing so, Daniel 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. Daniel also worked with other environmental experts to deliver survey reports and environmental documents.

OTHER STAFF MEETING MINIMUM PERSONNEL REQUIREMENTS (MPRS)

Firm employed by. ARCADIS				Meets MPR No. 5
Name	**Daniel Burgin, INCE**		Years of relevant experience with this employer	<1
Title	Air & 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			TNM 2.5 Training (2013); NTI Transportation Conformity Training (2015); EPA MOVES Training (2024); NTI Transit Noise and Vibration Training (2019); Certified, Institute of Noise Control Engineers	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Air and Noise Studies**	



Mr. Burgin is an experienced Air Quality and Noise Specialist with a strong background in ensuring 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 ensured adherence to Air Quality Conformity under the Clean Air Act and Federal Highway Administration Mobile Source Air Toxic (MSAT) Guidance for NEPA analysis. Daniel 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. Daniel also performed Type I Noise Analysis for KYTC and reviewed Noise Analysis studies prepared by consultants for KYTC projects. Daniel 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. Daniel 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
08/24 – 11/24	**US101 Reedsport Lane Reconfiguration, Oregon Department of Transportation, Reedsport, OR**. *Noise Analyst-NEPA Phase*. Prepared a Type I noise study for this project to restripe existing pavement to add an additional through lane. The project had a sense of urgency because a previous road diet project created unexpected traffic issues for locals, and the solution was to restripe to add a second northbound through lane back to US 101 through the town of Reedsport. Collected noise measurements and ***validated a noise model built in TNM 3.2 which was used to perform the analysis***. Also authored the Noise Technical Report and ***noise related documentation for the NEPA document***. All of this was completed in a timely manner so that the restriping could take place during the next dry season.
05/25 – 06/25	**Big X Interchange (OR99/OR238/OR62), Oregon Department of Transportation, 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 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, Oregon Department of Transportation Portland, OR.** *Noise Reviewer - NEPA Phase and Post NEPA Project Delivery.* ODOT's primary reviewer for the I-5 Rose Quarter project. The project adds auxiliary lanes to I-5 through downtown Portland, OR to address weaving issues. One noise barrier for a park and school is feasible and reasonable.
11/25- Ongoing	**I-285 at I-20 East Interchange Reconstruction, ICE Engineering, DeKalb County, GA.** *Lead Noise Analyst - Final Design of Noise Abatement*. Mr. Burgin provides ongoing support to this project performing ***noise analysis of noise abatement barriers that have changes 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. Daniel used 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.
11/25 – 12/25	**SR 156 From CR232 to Point 1 Mile East Passing Lanes, Georgia Department of Transportation Gordon County, GA** *Air Quality Analyst.* ***Prepared the Air Quality Assessment*** for a project to add passing lanes to a 0.6 mile section of roadway. Since the project was state funded the analysis consisted of documenting transportation conformity.
10/25 – Ongoing	**I-285 Westside Express Lanes, Georgia Department of Transportation 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 8 miles of I-285 between I-75 and I-20. The anlysis is being done using TNM 2.5. The project area is ***very complex and has many existing noise walls***. Also assisting with ***preparation of the Air Quality Impact Analysis*** which will include a quantitative Mobile Source air Toxics (MSAT) analysis prepared using the MOVES model.
11/21 – 04/24	**Interstate Bridge Replacement Program, Oregon Department of Transportation, 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 includes replacing the I-5 bridges across the Columbia river connecting Oregon and Washington, reconstructing 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*** are feasible and reasonable.
08/13 – 10/18	**Highway Projects Statewide, Kentucky Transportation Cabinet, Frankfort, KY.** *Air Quality and Noise Specialist*. For all KYTC highway projects with noise analysis or project-level air quality analysis needs, was the responsible party for handling those needs. This is included leading Interagency Consultation efforts for projects in PM 2.5 Nonattainment 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, Oregon Department of Transportation, Noise Analyst – NEPA Phase.** *Air Quality and Noise Specialist.* Daniel 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. After the other noise analyst who had been working on the project left, Daniel fully took the effort over and completed the analysis and report.

Firm employed by. ARCADIS			Meets MPR No. 5
Name	**Justin Maderia, PE, PTOE, PTP**	Years of relevant experience with this employer	18
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		PE.0038492 / LA / Exp. 03/31/2028; PTOE #3455 / USA / 07/01/2027; PTP #604 / 07/01/2026	
Year registered	2013	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Air and Noise Studies**	

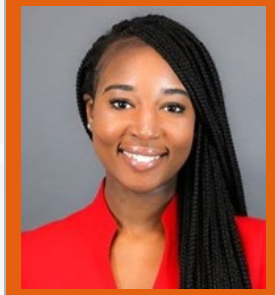


Mr. Maderia's experience in transportation engineering includes safety studies, feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications. Mr. Maderia has completed LADOTD Traffic Engineering Process and Report Training.

Experience dates	Experience and qualifications relevant to the proposed contract
06/13 – 03/16	**US-11 Environmental Assessment (EA) - Traffic & Noise, Louisiana Department of Transportation & Development; Slidell, Louisiana.** *Transportation Engineer.* Responsible for developing existing and future traffic volumes, growth rate estimation, alternative evaluation, preliminary traffic signal timing analysis, and crash analysis. This project includes replacement of the bridge over the Norfolk Southern Railroad and widening the roadway from a two-lane undivided to a four-lane divided roadway for the segment of US 11 between I-12 and US 190 (Gause Boulevard) in Slidell. The project study area is comprised of Synchro analysis for six signalized and four unsignalized intersections.
12/11 – 07/13	**Chef Menteur Bridge and Approaches Route US 90 Environmental Assessment (EA), Louisiana Department of Transportation & Development; Orleans Parish, Louisiana.** *Design Engineer.* This project involves the Environmental Assessment completion for proposed improvements to the Chef Menteur Bridge and Approaches. The proposed project includes replacing the existing Chef Menteur Pass Bridge and Approaches, located in Orleans Parish on U.S. Highway 90. The project calls for a replacement bridge with two 12-foot-wide travel lanes and 10-foot-wide shoulders on each side. The logical termini were approved by the Federal Highway Administration (FHWA). The study area extends along US 90 from US 11 to Louisiana Highway 433. ***The study is conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy.*** Worked as a design engineer conducting traffic noise impact assessment portion of the study.
08/12 – 05/13	**I-210 Cove Lane/Nelson Road Interchange Improvements Environmental Assessment (EA), Louisiana Department of Transportation & Development; Calcasieu Parish, Louisiana.** *Design Engineer.* This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise

	Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.
01/06 – 01/10	**Noise Impact Assessment for Revive285 - Environmental Impact Statement (EIS), Georgia Department of Transportation, Georgia.** *Design Engineer*. This project studies existing conditions and eight alternatives for a 12-mile corridor along Interstate 285 between Interstate 75 and Interstate 85. It includes managed lanes, Bus Rapid Transit (BRT) and Light Rail Transit (LRT) system. The study area has a mixture of residential, apartment, commercial and office land uses. ***The study was conducted in accordance with policies and procedures prescribed in Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and GDOT's statewide policy, titled Highway Noise Abatement Policy for Federal-Aid Projects.*** Conducted the traffic noise impact assessment, safety study including crash analysis, conceptual signing and pavement marking plans, and Synchro analysis at all ramp termini.
03/12 – 03/14	**Noise Impact Assessment for SR 144 Widening from CR 100/Timber Trail to CR 154/Belfast Keller Road, GDOT, Bryan County, Georgia.** *Design Engineer*. This project proposes to widen SR 144 to provide an urban four-lane section of roadway with a 20-foot raised grass median, 4-foot bike lanes, and 12-foot shoulders. The proposed project would extend from its western terminus at Milepost (MP) 11.197 north of CR 100/Timber Trail Road to its eastern terminus at MP 16.240 just south of CR 154/Belfast Keller Road. The project is approximately 5 miles in length. ***The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and the GDOT's statewide policy, titled Highway Noise Abatement Policy for Federal-Aid Projects.*** Worked as a design engineer, conducting traffic noise impact assessment portion of the study.
06/11 – 06/12	**Noise Impact Assessment for Busbee-Frey Connector, GDOT, Cobb County, Georgia.** *Design Engineer*. This 0.5-mile-long project involves adding a 0.5-mile new connector roadway over I-75 between Frey Road and Busbee Drive over I-75 in Cobb County. The proposed roadway has two 12-foot travel lanes in each direction, a 20-foot raised concrete median, 12-foot-wide right- and left-turn lanes at Frey Road and Busbee Drive, and 17.5-foot shoulders consisting of 10-foot sidewalks, a 2-foot grass strip, and 30-inch curb and gutter. ***This study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA*** in 1995 and GDOT's statewide policy, titled Highway Noise Abatement Policy for Federal-Aid Projects. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.
05/13 – 12/15	**Noise Impact Assessment for Panola Road Corridor Improvements, GDOT, Dekalb County, Georgia.** *Design Engineer*. Panola Road is an urban principal arterial that provides access to both residential and commercial properties and to Interstate 20 in western DeKalb County. The arterial improvement project, between the intersections of Panola Road with Snap finger Road (SR 155) and Covington Highway (SR 12), includes widening the existing roadway and constructing bicycle lanes, sidewalks, and medians along the 5.5-mile long widened roadway. ***The study was conducted in accordance with policies and procedures prescribed in Highway Traffic Noise Policy and Guidance issued by FHWA*** in 1995 and GDOT's statewide policy, titled Highway Noise Abatement Policy for Federal-Aid Projects. As design engineer, conducted the traffic noise impact assessment portion of the study.
05/09 – 05/10	**Noise Barrier Construction CUY-71-16.40 Project, Ohio Department of Transportation, Cuyahoga County, Ohio.** *Design Engineer*. The project consisted of a 2-mile noise barrier study and construction project extending from West 25 to Fulton Avenue along I-71 in Cuyahoga County. Project entailed field survey, noise analysis, barrier layout and design, estimation and public involvement. An innovative feature of the project was mounting standard concrete noise wall panels atop an existing retaining wall. This solution avoided additional right-of way-impacts to adjacent property owners and reductions to the collector- distributor roadway shoulder. Served as the design engineer responsible for the noise barrier design.

Firm employed by. ARCADIS			Meets MPR No. 6
Name	**Rekeyia Sherrell**	Years of relevant experience with this employer	5
Title	Staff Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		ME / 2019 / Civil and Environmental Engineering, University of Maryland BS / 2016 / Civil Engineering, Howard University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Air and Noise Studies**	



Ms. Sherrell is a transportation engineer with 6 years of experience with Arcadis, specializing in air quality and traffic noise modeling for transportation infrastructure projects. Her engineering experience includes analyzing air quality and noise studies across numerous high-profile design-build and design-bid-build projects to support state DOTs. Her work includes noise impact assessments, barrier feasibility analyses, and final design noise addendums for large-scale infrastructure and bridge projects. She is certified in FHWA Traffic Noise Modeling (TNM 2.5) and Traffic Noise Fundamentals, and she brings a strong background in environmental analysis, particularly for NEPA-related documentation. On the air quality side, Ms. Sherrell has performed Carbon Monoxide (CO), Mobile Source Air Toxics (MSAT), PM2.5, and construction impact assessments, as well as conformity reviews under the National Ambient Air Quality Standards (NAAQS). Her responsibilities span from initial modeling and data collection to QA/QC reviews and coordination with state and federal agencies. Ms. Sherrell's work is guided by FHWA and GDOT policies, and her reports consistently meet rigorous technical and regulatory standards. Her expertise ensures that transportation projects maintain environmental compliance while effectively addressing community health and quality-of-life concerns.

Experience dates	Experience and qualifications relevant to the proposed contract
05/23 – Ongoing	**Office of Environmental Services Air/Noise Support Services, Georgia Department of Transportation, GA.** *OES air and noise staff engineer* responsible for consultant project management including reviewing consultant documentation, providing effective comments, reviewing timelines and ***preparing environmental special studies for air quality and noise***. Provided air and noise direction and advise upon GDOT projects as necessary and provided project updates on all GDOT tracking platforms. The level of ***analysis completed for the air and noise special studies ranged from detailed memorandums to air and noise reporting***. Typical documentation and reports include air quality assessments, type 3 noise memos documenting how a project will not be analyzed for full traffic noise impacts as the project is not likely to change the existing noise environment, STIP/TIP review, transmittals and coordination with design.
06/20 – Ongoing	**On-Call General Engineering Services, Georgia Department of Transportation, GA**. *Air quality and noise engineer*. Responsible for ***preparing air quality and noise related technical studies for a variety of roadway/bridge projects state-wide***. The GEC services typically include ***completing noise impact assessments*** using 60% roadway plans that support NEPA document approval. The costing plans and NEPA documents are released as part of the RFP design-build process and final design is completed by the selected design-build team. A re-evaluation of the air and noise reports, via air and noise addendums, is completed by the GEC team to update the special studies to the design build contractors final design. These air and noise addendums include re-evaluation of the noise barriers and provide details such as location and final height of the noise barriers. An evaluation of the noise barrier profiles, and final shop drawings is completed to confirm final noise

	barrier height and location are in accordance with all noise analysis and reports. Relevant projects included: -285/SR 400 Interchange Reconstruction (PI #0000784), Fulton/DeKalb Co.; I-85 Widening Phase 3 (0015245), Jackson and Banks County, I-20 at CR 249/Old Mill Road (0018361), Morgan County.
08/22 – 06/23	**I-95 From I-74 to NC 211 Design Noise Report (DNR), North Carolina Department of Transportation, NC**. *Air quality and noise engineer*. Project responsibilities included ***reviewing and reevaluating the Traffic Nosie Report (TNR)*** completed by the DOT. Identified if the quantity and cost of noise barriers would increase or decrease based on the accuracy of DNR compared to the TNR. The noise analysis review was completed, included becoming familiar with the NCDOT ***Traffic Noise Policy and providing details of the design noise report to the Design-Build Team.*** The expert analysis provided by Rekeyia indicated that out of the 18 barriers analyzed 5 barriers met the new NCDOT Traffic Noise Policy requirements.

Firm employed by: GTS ENGINEERING LLC				Meets MPR 7 & 8
Name	**Mohan Menon, PhD, PG**		Years of relevant experience with this employer	9
Title	Transportation Lead/Supervisor-Other		Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization			PhD / 1993 / Geoscience; Jawaharlal Nehru University, India; Mphil / 1988 / Geochemistry; MS / 1984 / Geology; BS / 1982 / Geology	
Active registration number / state / expiration date			Professional Geoscientist # 1217 / LA / Exp. 01/09/2027	
Year registered	N/A	Discipline	Geoscientist	
Contract role(s) / brief description of responsibilities			**Phase 1 ESA / Wetland Delineations**	



Dr. Mohan has over 36 years of permitting and project management experience and is a certified Project Management Professional (PMP), Geologist, and Wetland Delineator (CWD). He is an expert in Permitting & Regulatory Compliance including NEPA documentation and mitigation planning, with over 16 years of experience in stakeholder coordination/public involvement. Dr. Menon. Dr. Menon completed several Phase 1 ESAs and Phase 2 ESA by following ASTM standards. Dr. Menon is a certified wetland delineator, certified on 2000 and 2022 and completed several wetland delineations. Dr. Menon completed ***NEPA-NHI Course # 142005 on "National Envionmental Policy Act (NEPA) and Transportation Decision Making",*** by LADOTD and FHA.

Experience dates	Experience and qualifications relevant to the proposed contract
02/10 – 05/15	**Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Multiple Parishes, LA.** Dr. Menon served as the ***Lead Environmental Specialist for an EIS*** for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10 for LADOTD, with FHWA as the Lead Agency. He was responsible for assisting in regulatory agency and stakeholder coordination for the NEPA documentation and QAQC for preparation of exhibits and handouts for the public meetings and hearing reflecting environmental impacts.
06/19 – 09/21	**Chacahoula Drainage and Resiliency Project - Elliot Jones Pump Station, Gibson, LA.** Responsible for obtaining the necessary environmental permits for the proposed 1,000cfs pump station, including LDNR: Joint Application Permit- Coastal Use Permit (CUP), USACE: Department of the Army Permit (404 and Section 10, LDEQ: Water Quality Certification (WQC).
08/19 – Ongoing	**Upper Delta Watershed Plan/ Environmental Assessment, NRCS, Pointe Coupee Parish, LA.** GIS is working to prepare a hydrologic and hydraulic analysis as part of the Watershed Plan and EA for the Upper Terrebonne Basin Watershed using HEC HMS for storm water runoff calculations and HEC RAS for required channel improvements. The total flood protection project area encompasses seven HUC 12 watersheds totaling approximately 225,072 acres.
07/16 – Ongoing	**Section 203 Feasibility Study – Channel Deepening – Port Fourchon, Fourchon, LA.** Dr. Menon is the project manager responsible for the preparation of the Environmental Impact Statement for the Integrated Feasibility Report and Environmental Impact Statement for Port Fourchon. Dr. Menon is the NEPA Lead, involved in Draft and Final EIS, and engages with environmental agencies and other stakeholders.
08/06 – 12/07	**Statewide Comprehensive Master Plan for a Sustainable Coast-2007.** Dr. Menon co-directed the project with OCPR in developing a comprehensive strategy addressing the protection and restoration of the coastal area.
01/04 – 01/06	**Coast-Wide Reference Monitoring System (CRMS).** Dr. Menon was the first Program Manager and was responsible for establishing ~300 sampling stations along the coastal Louisiana.

Firm employed by: Coastal Environments, Incorporated				Meets MPR No. 7
Name	**Cassandra Hart, CEP**		Years of relevant experience with this employer	11
Title	Senior Project Scientist		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			MS / 2000 / Biology, Texas A&M University (Corpus Christi) BS / 1997 / Marine Biology, Texas A&M University (Corpus Christi)	
Active registration number / state / expiration date			Certified Environmental Professional # 12030649 / USA / N/A	
Year registered	2012	Discipline	Environmental	
Contract role(s) / brief description of responsibilities			**Phase I ESA**	



Ms. Hart serves as the Director of Applied Science & Planning Southwestern Division at Coastal Engineering Inc. And has been a Senior Environmental Project Manager since 2015. Her areas of expertise in the biological and environmental sciences include natural resources permitting and regulatory compliance, solid waste, stormwater planning and permitting, coastal natural resource management, environmental assessments and habitat characterizations, wetland delineations and determinations, mitigation planning and monitoring and endangered species consultation. *She is a Certified Environmental Professional, a USACE certified wetland delineator.*

Experience dates	Experience and qualifications relevant to the proposed contract
03/26 – Ongoing	**Phase I ESA of the conveyor belt location with construction corridor, transmission line route with substation, and additional parts of Parcel E located in Brownsville, Cameron County, Texas.** *Senior Project Scientist*. ***Conducted a Phase I ESA*** of the conveyor belt location with construction corridor (8,400 x 115 feet wide = 22.5 acres), and a transmission line route (21,000 x 350 feet wide = 169 acres) and remainder of Parcel E that was not included initially.
06/25 – 07/25	**Phase I ESA at 1013 North Shoreline, Nueces County, Texas for TRT Holdings.** *Senior Project Scientist*. Conducted a Phase I ***Environmental Site Assessment of a 2.4-acre tract*** located in Corpus Christi, Nueces County, Texas.
02/25 – Ongoing	**Portland Hike and Bike Trail, San Patricio County, Texas.** *Senior Project Scientist*. Subcontracted by Hanson Professional Services, Inc. for the City of Portland. Conducted a ***wetland delineation, threatened and endangered species survey, and a Phase I environmental site assessment of a 14.34-acre tract*** located within a public park in the city of Portland, San Patricio County, Texas for the proposed trail improvements. Prepare ***wetland delineation and phase I environmental assessment report,*** as well as assistance in preparation of threatened and endangered species report. Provide coordination for desktop cultural resource assessment. Preparation of USACE permit with coordination.
06/23 – Ongoing	**Estes Point Permitting, Aransas County, Texas for Estes Point, LLC.** *Senior Project Scientist*. ***Conduct Phase I ESA of an approximate 28.61-acre tract in Aransas Pass***, through background research, records research, and site inspection. Prepare report for submittal to the client. Coordinated seagrass survey, mapping and report preparation of an approximate 7.2-acre marine tract abutting the property for submittal to USACE. Permitting application preparation for submittal to USACE. Ongoing permitting of boat docks for shoreline parcels.
02/23 – 03/23	**3908 County Road 36 Phase I Environmental Site Assessment, Nueces County, Texas for Fleet Lube**. *Senior Project Scientist*. Conducted a ***Phase I Environmental Site Assessment of an approximate 3.5-acre*** property located in Robstown, Texas, and prepared report.

12/22 – 01/23	**1335 Santa Fe Phase I ESA, Nueces County, TX for Oceans Healthcare**. *Senior Project Scientist*. Performed ***Phase I Environmental Site Assessment*** of a 0.2861-acre property and prepared report.
08/22 – 09/22	**Pearl St. Land Holdings Phase I ESA. Aransas County, Texas for Pearl St. Land Holdings**. *Senior Project Scientist.* Conducted a ***Phase I Environmental Site Assessment of a 131-acre property*** in Rockport to aid in planning a residential and commercial development.
06/22 – 07/22	**3432-3444 Highway 35 N. Phase I ESA. Aransas County, Texas for Moreland Capital Partners**. *Senior Project Scientist*. *Phase I Environmental Site Assessment of an approximate 16.18-acre tract and adjacent 9.6-acre site* located at 3432-3444 Highway 35 N in Aransas Pass.
06/22 – 07/22	**3909 Laguna Shores Rd. Phase I ESA, Nueces County, Texas for Toreros Group**. *Senior Project Scientist.* Conducted a ***Phase I Environmental Site Assessment*** at 3909 Laguna Shores Rd in the Flour Bluff Area. Data review and report preparation.
05/22 – 06/22	**Santa Rosa Phase I ESA, Santa Rosa, Cameron County, Texas for Ridge Investment Group, LLC.** *Senior Project Scientist.* Conducted a ***Phase I Environmental Site Assessment of a property*** located at 21484 FM 506 in Santa Rosa, Texas.
01/22 – 02/22	**136 West Cotter Street Phase I Environmental Site Assessment, Port Aransas, Aransas County for Land Development, LLC.** *Senior Project Scientist*. ***Conducted field investigation and records review*** of a 1.5-acre tract with a littoral tract of appr 0.7 ac; prepared report and submitted to client.

Firm employed by. Coastal Environments, Incorporated				Meets MPR No. 8
Name	**Walker Wilson**		Years of relevant experience with this employer	20
Title	Senior Scientist / Biologist		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			MS / 2005 / Wildlife / Louisiana State University BS / 2001 / Wildlife & Fisheries / Louisiana State University BS / 1999 / Zoology / 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			**Wetland Delineation and T&E Surveys**	



Walker Wilson is a senior wildlife and wetlands biologist who joined Coastal Environments, Inc. in 2005. His areas of expertise include environmental regulatory compliance monitoring for pipelines and geophysical surveys and biological investigations related to wildlife, ornithology, wetlands and wetland ecology, botany and Biological Assessments in conformance with USFWS protocol. He is accepted as an expert by state and federal courts in the fields of biology, ecology and wetland delineation. His expertise includes remote sensing and image interpretation, jurisdictional wetland delineations and determinations; oil spill impact assessment monitoring, geo-forensic investigations to document environmental conditions and damages; wetland and wildlife management and restoration plans. He has conducted hundreds of miles of surveys and prepared reports of findings for wetlands and T&E species along proposed corridors in Louisiana, Texas, Mississippi, Alabama, Oklahoma, and Arkansas.

Experience Dates	Experience and qualifications relevant to the proposed contract
05/12 - 06/15	**Stage 1 EA, LA Hwy 408-Hooper Rd. Extension & Widening (LA 16-Sullivan Rd), E Baton Rouge & Livingston Parishes.** *Senior Biologist.* In coordination with USFWS & LDOTD, prepared Biological Assessment involving scuba divining at two alternate crossings of Amite River, for federally listed Alabama (inflated) Heelsplitter Mussel. Conducted wetland delineation for one project alternate and co-authored wetland findings report and wildlife assessment and sections of EA on wetlands, vegetation, & wildlife.
01/13 - 12/13	**Stage 0 Feasibility Study LA 378 Improvements Westlake to Moss Bluff, Calcasieu Parish.** *Senior Biologist.* Conducted investigation of wetlands & T&E species; prepared Environmental Checklist and summary report of findings and methodology.
04/13 - 12/13	**Stage 0 Feasibility Study LA 156 Improvements, Winn Parish.** *Senior Biologist*. Conducted investigation for wetlands and Threatened and Endangered species; prepared Environmental Checklist and summary report of findings.
10/18 - 05/19	**Southland Terminals Tract, Updated Wetland Delineation, Ascension Parish, LA.** *Senior Biologist.* Conducted a wetland delineation on a ±61.29-ac tract, authored a delineation report, submitted it to the USACE-NOD and received a prelim JD.
02/10 - 06/15	**US 61 / I-10 Connector EIS, St. John the Baptist Parish.** *Senior Biologist.* Conducted aerial reconnaissance to locate and map Bald Eagle nests and colonial nesting bird colonies as part of biological assessment for two alternate alignments.
08/18 - 09/18	**Cleco LLC James Property, Rapides Parish.** *Senior Biologist.* Conducted wetland delineation on a ±122-ac property.
06/23 – 07/23	**Stennis Relativity Space LLC 19-ac Site WD, Hancock County, MS.** *Senior Biologist.* Conducted a wetland delineation on a 19-acre site on Stennis Space Center. Compiled data and authored a wetland delineation report for submittal to USACE.
10/22 – 01/23	**Cleco Hwy 12 Wetland Delineation. Calcasieu Parish.** *Senior Biologist.* Performed wetland delineation on 2,100-ft section of proposed power line adjustment where impact could not be avoided along HWY 12 near DeQuincy, LA. Authored wetland delineation report.

11/13 - 11/15	**Lake Lery Marsh Restoration-CIAP, St. Bernard Parish.** *Senior Biologist.* Conducted wetland delineation for marsh enhancement and creation project west of Bayou Terre aux Boeufs. Conducted submerged aquatic vegetation survey and a nesting bird survey and prepared wetland delineation report for submittal to USACE, New Orleans District for JD.
05/13 - 12/13	**Cleco Bistineau Tie Line, Red River Parish**. *Senior Biologist.* Performed environmental surveys and helped write an Environmental Assessment for the NRCS on tract of land registered in Wetland Reserve Program. Assisted Cleco in getting necessary permits for installing buried transmission lines on tract. Coordinated with USFWS to receive a concurrence of negligible impact for Cleco Power LLC.
08/22 – 09/22	**Hero Tract 18-Ac WD, Plaquemines Parish**. *Senior Biologist*. Conducted wetland delineation on ±18-ac tract, including forensic delineation on a partially filled residential development site. Authored wetland delineation report and submitted to USACE, NOD.

Firm employed by: ARCADIS				Meets MPR No. 9
Name	**Lee Droppelman**		Years of relevant experience with this employer	4
Title	Principal Scientist		Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization			BS / 2000 / Natural Resource Conservation, University of Kentucky	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Wetland Delineation and T&E Surveys**	



Mr. Droppelman leads a diverse natural resource team offering multi-disciplinary services to a variety of client markets across the U.S. He has conducted numerous projects dealing with threatened/endangered terrestrial and aquatic species, ecosystem assessment, and stream/wetland jurisdictional determinations, Section 404/401 Clean Water Act (CWA) permitting, and restoration design. Mr. Droppelman holds a federal collection license for over 70 listed species from more than 20 eastern states. He is proficient in the identification of all eastern bats and is an expert in the biology of aquatic fauna (including fish, invertebrates, and mollusks). Additionally, he has professional interest in the correlation of aquatic assemblage to river geomorphology, restoration of aquatic habitats, restoration and enhancement of bottomland forested wetlands, wetland functional assessment, and ecological impact/risk determination. Mr. Droppelman specializes in leading complex projects requiring novel concepts needed for effective agency coordination, scientifically sound resource assessment, and cost-effective minimization and mitigation of adverse effects. Over his career, he has served as discipline expert, principal investigator, and/or project manager for more than 300 transportation projects across the Eastern U.S.

Experience dates	Experience and qualifications relevant to the proposed contract
05/23 – 11/23	**Acoustic Bat Survey and Biological Assessment for the I-70 Improvement Project, Missouri Department of Transportation, Jefferson City, MO.** *Principal Scientist*. Leading the acoustic survey for the federally endangered gray bat (Myotis grisescens), Indiana bat (Myotis sodalis), and northern long-eared bat (Myotis septentrionalis), and the proposed-endangered tricolored bat (Perimyotis subflavus) along 34 miles of proposed highway improvements along I-70 west of St. Louis. In compliance with the 2023 Range-wide Indiana Bat and Northern Long eared Bat Summer Survey Guidelines, 39 individual acoustic monitoring locations were surveyed in the summer of 2023. Collected data files were processed through automatic bat ID software, resulting in 10 species identified, including all targeted federally listed bat species.
02/22 – 03/24	**Programmatic Biological Assessment for the Management of Bats and Transportation Projects, Georgia Department of Transportation, Statewide, GA.** *Principal Scientist*. Prepared a ***Programmatic Biological Assessment/Biological Opinion*** between GDOT, U.S. Fish and Wildlife (USFWS), U.S. Army Corps of Engineers, Federal Highways Administration, and Georgia Department of Natural Resources that provides the framework for how GDOT will manage consultation requirements for all of Georgia's federal and state listed bat species statewide for a variety of transportation projects. Identified and assessed all covered activities for stressors, ***developed standard avoidance and minimization measures***, and prepared a decision-making process for all GDOT project managers to follow.
08/18 – 11/23	**Bridging Kentucky Program, Kentucky Transportation Cabinet (KYTC), Frankfort, KY.** *Principal Scientist*. Repairing or replacing over 1,300 critical bridge structures across Kentucky over the next six years. The program will reopen closed bridges, remove weight restrictions that prevent use by school buses, emergency vehicles and businesses, and improve

	access and mobility for all Kentuckians. Serves as the principal investigating ecologist for all ***threatened/endangered species surveys***, including bats, freshwater mussels, fish, and plants. Managed and/or completed field surveys on more than 200 bridge locations across Kentucky..
05/15 – 11/22	**Indian Creek Water Supply Reservoir, Carroll County Water Authority, Carroll County, GA.** *Lead Biologist*. The Carroll County Water Authority is applying for an ***Individual Section 404 CWA Permit*** for the construction of a 401-acre water supply reservoir capable of meeting the unmet water supply needs of Carroll County, a total of six million gallons per day by the year 2065. Responsible for ***preparation of the compensatory mitigation plan*** which will provide compensation for impacts to 13 acres of wetlands and over 43,000 linear feet of stream. Managed the project's jurisdictional waters delineation and reporting, mitigation site identification, ***alternatives analysis***, and Section 404 permit application support.
03/18 – 01/22	**Fee In Lieu Of (FILO) program – Rolling Fork Floodplain Pre-Design, Kentucky Department of Fish and Wildlife Resources (KDFWR), Nelson and Larue Counties, KY.** *Lead Biologist*. The KDFWR FILO Program provides a way to fulfil compensatory mitigation requirements associated with the Clean Water Act, Section 404 and 401. The 660-acre Rolling Fork Floodplain Project compensates for the permanent loss of aquatic (wetland and stream) functions within the Salt River watershed. Responsible for managing the ***jurisdictional waters delineation and reporting***, fish and macroinvertebrate sampling, bat habitat and sensitive ecological feature assessments, wetland restoration design, ***protected species surveys***, and the ***biological assessment report***.
12/21-03/22	**Survey and Relocation of Federally Listed Fish for the Kentucky Highway 2996 Bridge Rehabilitation Project, Kentucky Transportation Cabinet (KYTC), Whitley County, KY.** *Biologist*. As a condition of a Biological Assessment prepared for the rehabilitation of the Highway 2996 Bridge over Wolf Creek, relocated all federally listed fish species present within 50 meters upstream and 100 meters downstream of the bridge location. The stream is a known location for the federally listed blackside dace (*Chrosomus cumberlandensis*) and the Cumberland darter (*Etheostoma susanae*). Led a crew of biologists employing electroshocking techniques to perform a depletion collection in the required stream reach and relocation to a predetermined location approximately two kilometers upstream of the bridge. All activities were coordinated with KYTC and US Fish and Wildlife Service, and the contractor was able to complete their work without delay.

Firm employed by: COASTAL ENVIRONMENTS, INCORPORATED				Meets MPR No. 10
Name	**Douglas C. Wells**		Years of relevant experience with this employer	28
Title	Principal Investigator		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			PhD / 1998 / Archaeology, Tulane University BA / 1989 / Chemistry and Anthropology (Double Major), Vanderbilt University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Archaeologist / Cultural Resources**	



Douglas Wells, Ph.D., has directed and participated in all phases of cultural resources investigations and management, including survey, excavations, monitoring, artifact analysis, National Register evaluations, artifact conservation, archival research, research design, writing, and report production. Dr. Wells specialized in the prehistoric culture of the Lower Mississippi Valley, and although his range of experience has covered all time periods (historic and pre-contact), his primary research interests lie in the ceramics, social organization, and settlement patterns of the Late Woodland and Mississippi periods. During his career, he has worked on more than 30 projects for six districts of the U.S. Army Corps of Engineers. He has served as Project Manager and Principal Investigator for CEI since 1998 on more than 100 cultural resources studies, and has worked on projects in Arkansas, Kentucky, Louisiana, Mississippi, Missouri, Tennessee, Texas, and Honduras.

Experience dates	Experience and qualifications relevant to the proposed contract
11/25 – Ongoing	**Phase I Survey of the Yslcloskey Marsh Creation Project (BS-0046), St. Bernard Parish, Louisiana**. *Principal Investigator*. ***Terrestrial and marine remote-sensing*** project for Louisiana Coastal Protection and Restoration Authority (CPRA).
06/25 – Ongoing	**Background Cultural Resources study for the proposed Luling Storage Yard, St. Charles Parish, Louisiana.** *Principal Investigator*. Background ***cultural resources study*** for Port of New Orleans.
02/25 – 05/25	**Phase I survey of the Northwest Little Lake Marsh Creation Extension Project (BA-0276), Lafourche Parish, Louisiana.** *Principal Investigator.* ***Cultural resources survey for terrestrial and marine remote-sensing*** project for CPRA.
03/22 – 06/25	**Phase I survey of the East Baton Rouge Flood Risk Management Project, East Baton Rouge Parish, Louisiana.** *Principal Investigator.* ***Cultural resources survey*** of Upper Jones Creek, Blackwater Bayou, and Beaver Bayou in advance of channel improvements, for the U.S. Army Corps of Engineers, New Orleans District.
07/23 – 10/24	**Phase I survey of the proposed Caad Kuujaaminix/Bayou Salé Living Shoreline Project, St. Mary Parish, Louisiana.** *Principal Investigator.* ***Cultural resources survey*** of shoreline protection project for Wayti Services, LLC, and the Chitimacha Tribe of Louisiana.
10/23 – 6/24	**Phase I Cultural resources survey of the Northwest Little Lake Marsh Creation Project (BA-0268), Lafourche Parish, Louisiana.** *Principal Investigator*. ***Cultural Resources Survey of marsh*** creation area and delineation of three previously recorded sites for CPRA.
05/23 – 09/23	**Phase I survey of the proposed U.S. Highway 190 / LA Highway 415 Interchange at Lobdell, West Baton Rouge Parish, Louisiana.** *Principal Investigator.* ***Cultural resources survey*** for the Louisiana Department of Transportation and Development ***(LADOTD).***

03/22 – 09/22	**Phase II National Register testing of sites 16TR29 and 16TR210, Terrebonne Parish, Louisiana.** *Principal Investigator/Artifact Analyst.* ***NRHP testing of two prehistoric sites*** associated with the Bay Raccourci Marsh Creation and Ridge Restoration Project (TE-0156) for CPRA.
05/22 – 08/22	**Delineation of site boundaries for site 16CU128, Calcasieu Parish, Louisiana***: Principal Investigator*. ***Probing and vibracore survey*** of subaqueous shell midden deposits at the Norris Point Site as part of the I-10 Calcasieu Bridge replacement project, for LADOTD.
11/19 – 03/21	**Phase I Survey of Wetland Mitigation Areas, LA 307 Corridor, Lafourche Parish, Louisiana.** *Principal Investigator*. ***Phase I Survey*** for U.S. Army Corps of Engineers, New Orleans District.
10/18 – 12/19	**National Register Testing of Site 16TR340, Schreiver, Terrebonne Parish, Louisiana.** *Principal Investigator.* ***Phase II archaeological testing*** of an historic plantation building for LA DOTD.
02/18 – 05/19	**Phase I Cultural Resources Survey for the Houma-Thibodaux to LA 3127 Connector, Terrebonne, Lafourche and St. James parishes, Louisiana.** *Principal Investigator*. ***Cultural resources survey*** for the proposed route connecting Houma and Thibodaux to the Mississippi River corridor at Vacherie, for LADOTD**.**
06/17 – 03/18	**LA 124 Extension near Larto, Catahoula Parish, Louisiana.** *Principal Investigator*. ***Phase I Cultural Resources Survey*** of the new LA 124 right of way, for LA DOTD.
05/12 – 05/15	**Phase II NRHP testing of site 16CU128, Calcasieu Parish, Louisiana.** *Prinicpal Investigator/Artifact Analyst*. Test excavations at the Norris Point site, as part of the Calcasieu Bridge Replacement Project for DOTD.
01/13 – 04/13	**LA 392 Bridges Near Hornbeck, Vernon Parish, Louisiana.** *Principal Investigator*. ***Cultural resources survey*** of bridge replacement project over two drainages in Vernon Parish for LADOTD.
12/11 – 03/13	**Chef Menteur Bridge and Approaches, Orleans Parish, Louisiana.** *Principal Investigator*. ***Cultural resources and standing structures surveys***, as well as draft Memorandum of Agreement, for replacement of Hwy 90 bridge over Chef Menteur Pass. For LADOTD and Arcadis-US, Inc.
05/12 – 09/12	**LA Hwy 8 Realignment, Catahoula Parish, Louisiana.** *Project Manager*. ***Cultural resources survey*** for proposed LA Hwy 8 realignment east of Harrisonburg for LADOTD.
06/12 – 08/12	**Indian Creek and Thorny Branch Bridges, Webster Parish, Louisiana.** *Project Manager*. ***Cultural resources survey*** for Route LA 159 bridge replacements over Indian Creek and Thorny Branch for LADOTD.
06/09 – 01/12	**Bayou Macon Bridge Replacement, Route LA 134, East and West Carroll Parishes, Louisiana.** *Project Manager*. ***Cultural resources survey of bridge replacement*** project for LADOTD.
02/11 – 05/11	**Calcasieu River and Creek Bridges, Vernon Parish, Louisiana**. *Project Manager*. ***Cultural resources survey*** for proposed replacement of 13 bridges over the Calcasieu River and tributary creeks, Route LA 8, for LADOTD.
06/09 – 07/10	**Starns Bridge Replacement Over Tickfaw River, Livingston Parish, Louisiana.** *Project Manager*. ***Cultural resources survey of bridge replacement project for LADOTD.***
09/09 – 05/10	**Goose Bayou Bridge, Jefferson Parish, Louisiana.** *Project Manager / Artifact Analyst*. ***Phase II testing*** of site 16JE35 for the LA Hwy 45 bridge replacement project over Goose Bayou, for LADOTD.

Firm employed by. ARCADIS			Meets MPR No. 11
Name	**George Rounds, MHP**	Years of relevant experience with this employer	2
Title	Architectural Historian	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization	MHP / 2014 / Heritage Preservation, Georgia State University BA / 2008 / History minor in Religious Studies AS / 2006 / General Studies, Georgia Perimeter College		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	**Cultural Resources Reconnaissance**		



Mr. Rounds is a Qualified Architectural Historian (36 CFR 61) with 13 years of experience in the field of cultural resources management and has worked on a wide range of projects in rural and urban contexts throughout the U.S. He has extensive Section 106 experience conducting historical research, field surveys, historic resource evaluation, and assessment of effects determinations in support of a variety of transportation projects. He also is an experienced Geographic Information System (GIS) technician and has drafted National Register of Historic Places (NRHP) eligibility evaluation statements.

Experience dates	Experience and qualifications relevant to the proposed contract
08/23 – Ongoing	**I-285 @ I-20 East Side Interchange Reconstruction, Georgia Department of Transportation, DeKalb County, GA.** *Lead historian* for this Federal Transit Administration grant-funded transit improvement project comprising new sidewalk construction, spot repairs, and installation of ADA-compliant pedestrian ramps in several locations throughout the county. Responsibilities included ***Section 106 early coordination, historic resources survey and evaluation***, and production of Historic Resources Survey and Assessment of Effects reports.
07/23 – Ongoing	**American with Disabilities Act Sidewalk Improvements, Cobb County Department of Transportation, Cobb County, GA**. *Lead historian* for this Federal Transit Administration grant-funded transit improvement project comprising new sidewalk construction, spot repairs, and installation of ADA-compliant pedestrian ramps in several locations throughout the county. Responsibilities included Section 106 early coordination, historic resources survey and evaluation, and production of ***Historic Resources Survey and Assessment of Effects reports***.
06/21 – 02/23	**SR 11 From Blue Ridge Street to SR 325/Nottely Dam Road, Georgia Department of Transportation, Union County, GA**. *Lead historian* for this 8.7-mi. widening project with an aggressive schedule and a variety of historic resource types. Project tasks included validation of multiple project historic resources surveys and evaluations that had been undertaken since the project's notification in 2007 as well as ***field surveys to identify potential historic resources***. These results of these efforts were provided in a Historic Resources Survey Report Addendum IV for 35 historic newly identified historic resources. Following Addendum IV, a detailed assessment of project impacts to 16 resources were provided in an Assessment of Effects report. Mr. Rounds also produced maps and figures for both reports.
12/21 – 07/22	**SR 20 From I-75/Bartow to I-575/Cherokee, Georgia Department of Transportation, Cherokee and Bartow Counties, GA**. *Lead historian* for this 16-mi. widening project. Project tasks included validation of prior historic resources surveys and

	evaluations, field survey, and evaluation of newly identified historic resources. These efforts culminated in a Historic Resources Survey Report Addendum for 20 historic newly identified historic resources, which were completed within schedule. Responsible for producing maps and figures for the report.
01/15 – 06/21	**Cultural Resources Support Contract, Georgia Transmission Corporation (GTC), Statewide, GA**. *Lead historian/project manager* for cultural resources support on a variety of projects throughout the state. Responsibilities included serving as the client point of contact, invoicing, and the timely completion of historic resources surveys, delivery of resource boundaries in a Geographic Information System (GIS) format, and completion of Historic Resources Surveys and Assessment of Effects Reports, for which completed all maps and figures.
05/24-Ongoing	**State Route 42 at Norfolk Southern #718418R Miles South of McDonough, Henry County, GA.** *Historian*. Supports ***Section 106 compliance*** as the Lead Historian on the post-let General Engineering Consultant team for this bridge replacement project. As the Lead Historian, validated previous reporting, updated resource identification efforts, engaged with design team staff to determine physical, visual, and auditory impacts to cultural resources, and produced required compliance documentation within an aggressive project schedule.
01/24 – Ongoing	**State Route 360 from Cheatham Road to County Services Parkway, Cobb County, GA.** *Historian*. Serves as the Lead Historian for this sidewalk installation project along a busy corridor composed of commercial and residential properties, as well as the National Register-listed Kennesaw Mountain National Battlefield Park. Project tasks included assisting with project scoping, validation of prior resource identification efforts, initiation of ***Section 106 consultation, field survey, and resource evaluation***. Also produced maps and figures for the Historic Resources Survey Report.
03/23 – 04/24	**State Route (SR) 400 from North Springs MARTA Station to McFarland Road-Express Lanes, GDOT, Fulton and Forsyth Counties, GA.** *GIS Technician and Historian*. As part of the design-build team, served as Historian and GIS technician for the tender phase of this Major Mobility Investment Program design-build project that would construct toll lanes along the northbound and southbound lanes of SR 400. Responsibilities included calculating impacts to ecology resources in ArcGIS Pro from CAD files, reviewing design plans, and providing support to staff for National Environmental Policy Act (NEPA) re-evaluation efforts.
03/19 – 08/20	**CR 1515/Willis Foreman Road from SR 4/US 1 TO SR 121/US 25, GDOT, Richmond County, GA.** *Historian.* Served as the lead historian for this widening project. Planned and led the field survey effort and assisted team historians with the evaluation of newly identified historic resources. These efforts resulted in a ***Historic Resources Survey Report*** for 28 newly identified historic resources. Responsible for land records research and the production of maps.
10/14 – 04/18	**SR 3/Northside Drive from Whitehall Street to Marietta Street, GDOT, Fulton County, GA.** *Historian.* For this major roadway improvement, assisted in the preparation of the Historic Resource Survey (HRS). Tasks included the ***survey and evaluation of 135 resources*** comprising commercial, industrial, residential, and district properties. Performed additional research from primary source materials, including Sanborn Fire Insurance Maps, historic aerial photography and topographic maps, city directories and newspaper articles. Due to the quality of survey, research, and evaluations for this project, the team of historians earned accolades from GDOT.

Firm employed by. ARCADIS				Meets MPR No. 11
Name	**Collins Anderson, MHP**		Years of relevant experience with this employer	2.5
Title	Architectural Historian		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			MHP / 2015 /Historic Preservation, Savannah College of Art and Design	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Cultural Resources Reconnaissance**	



Ms. Anderson is a Secretary of the Interior (SOI)-qualified architectural historian (36 CFR 61) and Subject Matter Expert (SME) with 20 years of experience in the fields of education and historic preservation. She has specialized experience in the southeastern United States and has worked with State Historic Preservation Offices (SHPO) in 40 states. She has Section 106 experience conducting historical research, performing field surveys, resource evaluation, assessment of effects determinations, and creating National Register of Historic Places (NRHP) eligibility evaluations. Collins is a technical writer and provides quality control and quality assurance of historical documents within Arcadis as well as prime verification for consultants. She has professional experience crafting Memorandum of Agreements (MOA) in response to adverse effects on historic properties for federally funded projects. This experience includes the creation of Condition Assessment Reports (CAR), Photographic Archival Recordings (PAR), as well as informative architectural history physical and digital deliverables. Collins can also perform Historic American Buildings Survey (HABS) and National Register of Historic Places (NRHP) nominations.

Experience dates	Experience and qualifications relevant to the proposed contract
03/25 – Ongoing	**I-75 from I-675 to South of SR 155-Express Lanes, Georgia Department of Transportation, Henry/Clayton Counties, GA.** *SOI-qualified architectural historian and SME*. Duties include Section 106 notification, screening the Area of Potential Effect (APE) for ***historic above-ground resources, field investigation and report submittal, providing feedback to the team on history topics***, informing meetings with the GDOT team, and providing status updates (all on a compressed schedule).
03/25 – Ongoing	**District 2-IIJA Off-Sys Bridge Replacement, Louisianna Department of Transportation and Development, Terrebonne/Jefferson/Plaquemines Parishes, LA**. *SOI-qualified architectural historian and SME*. Duties include tribal packet and Section 106 packet creation, map making, ***screening the APE for historic above-ground resources, evaluation of historic resources, feedback to the Louisianna team on history topics*** as well as status updates.
06/24 – Ongoing	**Roundabout Construction at SR 135 at Keith Evans Road, Georgia Department of Transportation, Dawson County, GA**. *SOI-qualified architectural historian and SME* for roundabout construction at SR 135 at Keith Evans Road. Duties include project ***description creation, Section 106 notification***, screening the APE for historic above-ground resources, field investigation and report submittal, providing feedback to the team on history topics, informing meetings with the PMC and GDOT team, and providing status updates.
11/23 – 05/25	**State Road 140 at I-85 Road Widening and Sidewalk Reconstruction, Georgia Department of Transportation, Gwinnett County, GA**. *SOI-qualified architectural historian and SME* for road widening and sidewalk reconstruction on SR 140 at I-85. Duties include Section 106 notification, screening the APE for historic above-ground resources, field investigation and report submittal, providing feedback to the team on history topics, informing meetings with GDOT team, and providing status updates.

09/21 – 09/22	**Trileaf Corporation Telecommunications Tower Project, Federal Communications Commission (FCC), Simpson County, Mississippi.** *Senior Architectural Historian* for an MOA consisting of a Historic Resource Survey (HRS) Report and 43 individual HRS forms for ***historic resources located within the project*** Area of Potential Effect (APE). Field survey was conducted for each resource, digital photographs were taken to ***accompany HRS forms and maps were included for all resources***. Digital and hard copies were accepted by the Mississippi Department of Archives and History (MDAH) as mitigation for the telecommunications tower project.
04/20 – 04/21	**Trileaf Corporation Telecommunications Tower Project, Federal Communications Commission (FCC), Carroll County, Georgia.** *Senior Architectural Historian* for an MOA consisting of PARs of residential historic buildings and a CAR for the historic Veal School. Digital single-lens reflex camera (DSLR) photographs were taken to accompany maps and documentation on archival paper for the PAR. Additionally, a CAR was conducted for the Veal School with digital photographs taken to accompany the report and maps included. The **SOI Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitating, Restoring & Reconstructing Historic Buildings were consulted**, and a preservation plan was advised. Digital and hard copies were accepted by the Georgia SHPO, Carroll County Historical Society, and current Veal School representative of the CAR and PAR as mitigation for adverse effect to historic resources for the telecommunications tower project.
05/20 – Ongoing	**Trileaf Corporation Telecommunications Tower Project, Federal Communications Commission (FCC), Madison County, Georgia** *Senior Architectural Historian* for an MOA consisting of creation of an informational brochure. The brochure compares the Craftsman style of architecture to the bungalow house type in Georgia. Craftsman style and bungalow type homes in the city limits of Athens, Georgia were photographed and information on the history and features of both were compiled into a physical and digital brochure. ***Preservation entities such as the University of Georgia, College of Environment+Design, the Georgia Historical Society, and the Atlanta Historic Preservation Center*** were contacted as recipients of the brochure. A digital copy was accepted by the Georgia SHPO of the informational brochure as a preliminary telecommunication project mitigation for an adverse effect to historic resources.

Firm employed by: Coastal Environments, Incorporated				Meets MPR No. 11
Name	**Sara A. Hahn**		Years of relevant experience with this employer	30
Title	Architectural Historian		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MA / 2005 / Anthropology, Louisiana State University BA / 1995 / Anthropology, University of Southwestern Louisiana	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Cultural Resources Reconnaissance; Cultrual Resource Surveys**	



Ms. Hahn is very familiar with the historical and archaeological records housed at the Louisiana Department of Culture, Recreation, and Tourism, and has used those records to produce many cultural resources reports, as well as environmental documents in compliance with NEPA regulations. She has carried out numerous standing structure/architectural surveys and determined National Register eligibility for both individual structures and districts. Among the over 20,000 structures she has recorded and evaluated in Alabama, Arkansas, Louisiana, Tennessee, Texas and Mississippi are several thousand within the Parkview, Carrollton and New Marigny National Register districts in New Orleans (2006-2008), 521 in the Natchitoches Historic Landmark District in Natchitoches, Louisiana (2011), over 100 bridges for the Louisiana Statewide Historic Bridge Inventory (2013), 25 Cold-War Era National Guard Armories for the Mississippi Department of the Military (2018), 24 World War I and I Airfields and Hangars in Mississippi for the Mississippi Department of the Military (2021) and to date has evaluated over 4,300 properties for the RestoreLA program and determined 793 of those eligible for the NRHP. Ms. Hahn has collaborated on Level I and Level II HABS/HAER Documentation projects for the Louisiana Department of Transportation and Development, and HABS-level photographic documentation of over 700 structures for the Federal Emergency Management Agency (FEMA). She also has experience preparing Section 106 Adverse Effect Documentation and Section 4(f) Statements.

Experience dates	Experience and qualifications relevant to the proposed contract
05/25 – Ongoing	**Section 106 Compliance for Louisiana BEAD projects statewide, LA**. *Architectural Historian.* Conducted Section 106 ***coordination and compliance between agencies*** and consulting parties in addition to compiling Section 106 desktop reviews to meet the NTIA's needs.
03/22 – Ongoing	**RESTORE, Statewide, LA.** *Architectural Historian.* Evaluated applicants' properties to ***determine NRHP eligibility, reviewed construction scopes of work for historic properties and made recommendations*** to avoid adverse effects and to mitigate adverse effects if applicable.
12/25 – 02/26	**Phase I Cultural Resources Survey of SR 26, Stone County, MS.** *Architectural Historian.* Conducted ***architectural survey*** and NRHP evaluation.
06/25 – 08/25	**Phase I Cultural Resources Survey of SR 33, Jefferson County, MS.** *Architectural Historian.* Conducted architectural survey and ***NRHP evaluation.***
03/20 – 03/26	**Belle Chasse Tunnel HAER Documentation, Plaquemines Parish, LA.** *Architectural Historian.* Conducted ***archival research and produced the historical report.***

09/23 – 02/24	**H-I-M Grant for Natchitoches Parish, Natchitoches Parish, Louisiana.** ***Architectural*** *Historian.* Conducted ***architectural survey and NRHP evaluation of 1,694 resources*** throughout Natchitoches Parish. Recommended three new districts, the expansion of the existing district and 14 individual properties as eligible for the NRHP.
08/21 – 04/24	**Architectural Survey and Archaeological Probability Study for the Proposed Florida Boulevard Corridor Enhancement Segment 2, Baton Rouge, Louisiana.** *Architectural Historian.* Conducted ***architectural survey and NRHP evaluation*** of 125 resources and recommended 17 as eligible for listing on the NRHP.
09/22 – 10/24	**Determination of Eligibility Documentation of Mission 66 Era Buildings along the Natchez Trace Parkway, Mississippi, Alabama and Tennessee.** *Architectural Historian.* Conducted ***architectural survey and evaluation*** of 61 National Park Service structures and buildings along the Natchez Trace Parkway.
09/22 – 10/22	**Determination of Eligibility Documentation of the MARAD Warehouse in New Orleans, Louisiana.** *Architectural Historian.* Recorded and evaluated the MARAD warehouse complex to ***determine its NRHP eligibility***.
08/19 – 01/21	**Mazant Phase I and II Investigations, New Orleans, Louisiana.** *Architectural Historian.* Conducted the ***Phase I architectural survey*** and NRHP evaluation.
05/12 – 10/21	**Phase I and II Cultural Resources Investigations Relative to the I-10 Calcasieu River Bridge, Route I-10, Calcasieu Parish, Louisiana.** *Architectural Historian.* ***Conducted architectural survey and NRHP evaluation*** of 1,700 resources in the I-10 Calcasieu River Bridge corridor.
11/20 – 09/21	**Architectural Survey and Evaluation of 24 World War I and II Hangars and Airfields in Mississippi, statewide Mississippi.** *Architectural Historian.* Conducted architectural survey and NRHP evaluation of 24 Airfields and Hangars statewide and ***developed an historic context*** for hangars in Mississippi.
10/20 – 10/21	**I-49 Inner City Connector, Shreveport, Louisiana.** *Architectural Historian.* ***Conducted survey and NRHP evaluation*** of 922 structures and aided in the Section 106 consultation.
05/20 – 10/21	**Architectural Survey for the Sabine to Galveston Coastal Storm Risk Management, Orange, Jefferson and Brazoria counties, Texas**. *Architectural Historian.* Conducted architectural survey and NRHP evaluation of 2,694 resources in Jefferson County, Texas, and ***recommended 11 as eligible for listing in the NRHP***.
11/20 – 09/21	**Architectural Survey for Historic Buildings at Camp McCain and World War II Ranges Structures at Camps McCain and Shelby, Mississippi.** *Architectural Historian.* Conducted ***architectural survey*** and NRHP evaluation of two buildings at Camp McCain and photodocumented the World War II Range Structures at Camps McCain and Shelby.
12/19 – 03/20	**Plank-Nicholson Bus Rapid Transit Project, Baton Rouge, Louisiana.** ***Architectural*** *Historian.* Conducted ***architectural survey and NRHP evaluation of 58 resources*** and five were determined eligible for the NRHP.
05/18 – 12/18	**Survey of 24 Mississippi National Guard Armories of the Cold-War Era, statewide Mississippi.** *Architectural Historian.* Surveyed and evaluated 24 Cold-War era armories statewide in Mississippi and ***developed an historic context*** for them.
05/12 – 03/17	**Statewide Historic Bridge Inventory, Louisiana.** *Architectural Historian.* Conducted archival research for ***the historic bridge context, conducted archival research*** in 15 parishes, conducted 11 accelerated bridge surveys to determine NRHP eligibility and conducted survey of 86 bridges in 11 parishes.
04/13 – 04/13	**Bayou Boeuf Bridge HAER Documentation, Avoyelles and Rapides Parish, Louisiana.** *Architectural Historian.* Conducted archival research and produced the historical report.

Firm employed by: THE LAKVOLD GROUP Commercial Real Estate Appraisers				Meets MPR No. 12
Name	**Angela Lemoine-Lakvold**		Years of relevant experience with this employer	26
Title	Real Estate Appraiser		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			Master / 1999 / Business Administration BS / 1985 / Business and Public Administration, Numerous classes and seminars on various real estate topics 1986 - Present	
Active registration number / state / expiration date			State Certified General Appraiser #G0575; / LA / Exp. 12/31/2027	
Year registered	1992	Discipline	General Real Estate Appraiser	
Contract role(s) / brief description of responsibilities			**Conceptual Stage Relocation Plan**	



Ms. Lemoine-Lakvold, one of the principals holds the MAI and SRA designation from the Appraisal Institute and a Right-of-Way – Appraisal Certification from the International Right-of-Way Association. The firm specializes in expropriation work and has worked on numerous projects over the last few years to acquire right-of-way for road widening projects, pipelines, and conservation servitudes. The firm has also completed several Conceptual Stage Relocation Plans for preliminary projects in various locations throughout the state. The Lakvold Group is certified as a Disadvantaged Business Enterprise (DBE) and Small Entrepreneurship with Louisiana Economic Development, Hudson Initiative (Certification Number 9533). The Lakvold Group, LLC has completed numerous appraisal projects and Conceptual Stage Relocation Plans for LA Department of Transportation and Development as well as various other public entities.

Experience dates	Experience and qualifications relevant to the proposed contract
01/20 – Ongoing	**I-10 Calcasieu River Bridge Public Private Partnership (P3) Project, LADOTD, Calcasieu Parish, LA**. Completed the Conceptual Stage Relocation Plan for the project as part of the Environmental Assessment. Currently working on the appraisals for the acquisition of the required right-of-way for this design-build project.
11/22 – Ongoing	**I-10: LA 415 to Essen on I-10 and I-12; Phase i: West Washington Street to Essen Lane, East Baton Rouge Parish, LA**. Completed appraisals for the design-build for the expansion of Interstate 10 within the City of Baton Rouge.
03/25 – 07/25	**Gurney Road Bridges Over Drainage Canal, East Baton Rouge Parish, LA.** Completed appraisals for the replacement of two existing bridges.
05/24 – 05/25	**Jimmie Davis Bridge (LA 511) (HBI), Caddo Parish and Bossier Parish, LA.** Completed appraisals for the replacement of the Jimmie Davis Bridge.
01/22 – 05/24	**LA 73 – Bluff Road; LA 928/Connector, Ascension Parish, LA.** Completed appraisals for the new alignment.
03/24 – 10/24	**LA 3125 @ LA 3274 Roundabout, St. James Parish, LA.** Completed appraisal for completion of a roundabout.
06/22 – 10/23	**Jones Creek Road Extension, East Baton Rouge Parish, LA.** Completed appraisals for completion of a new alignment road from Tiger Bend Road to Airline Highway.
07/21 – 10/21	**Port of Lake Charles Rail Relocation at West Sallier Street in Conjuction with State Project No. 005967, Calcasieu Parish, LA** Completion of appraisal reviews for the above referenced property.
09/20 – 12/21	**LA 23: Belle Chasse Bridge & Tunnel (HBI), Plaquemines Parish and Jefferson Parish, LA.** Completion of appraisal for the design-build bridge to replace the existing bridge and tunnel.

Firm employed by. ARCADIS				Meets MPR No. 13
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 and Safety Engineering**	



Mr. Hollier has **20 years of experience in the field of transportation engineering** including traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. He has experience and proficiency in traffic engineering and safety analysis software including IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software.

Experience dates	Experience and qualifications relevant to the proposed contract
09/12 – 02/16	**Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA.** *Traffic Engineer.* Responsible for the ***feasibility study and traffic analysis*** along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the ***Line and Grade Study*** along with the review of the construction sequencing and traffic maintenance of the constructability review.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Project Manager*. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive ***historical crash and safety analysis*** is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.
12/17 – 11/19	**Causeway Boulevard Widening, Jefferson Parish, LA.** *Project Manager / Traffic Engineer*. Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and ***future traffic analysis of a preferred alternative***.
11/17 – 07/20	**LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA.** *Project Manager / Traffic Engineer*. Responsible for the ***traffic study and impacts for the proposed complete streets improvements*** along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated

	intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and ***future traffic analysis for proposed final alternative***. The traffic study was prepared to follow the 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			Meets MPR No. 13
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 and Safety 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. Mr.

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				Meets MPR No. 14
Name	**David Fulks, PE**		Years of relevant experience with this employer	18
Title	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 Engineering	
Contract role(s) / brief description of responsibilities			**Line and Grade Study and Report**	



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 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 0 feasibility and safety studies, to design and construction plan development. His responsibilities have included preparing engineering designs, reports, plans, and specifications; preparing 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 (EIS), LADOTD, Ouachita Parish, LA.** *Roadway Design Engineer.* Responsible for preparing ***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.* ***Geometry and roadway design*** of the new KCS 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/Bridge Geometrics and Cost Engineer.* Responsible for preparing the 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 / Bridge Geometrics and Cost Engineer.* High-priority project completing 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 estimate.***
04/13 – 07/14	**US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, LADOTD, St. Tammany Parish, LA.** *Lead Roadway Engineer.* ***Geometry and roadway design, line and grade study development, and cost estimates*** for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control. Early coordination with Norfolk Southern Railroad.
05/14 – 05/15	**Joe Sevario / Roddy Road Roundabouts, LADOTD, Ascension Parish, LA.** *Task Manager and Lead Roadway Engineer.* ***Geometric and roadway design and 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.* ***Geometric and roadway design, preliminary plans preparation, and cost estimate*** 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.* ***Geometric and roadway design, preliminary subsurface utility investigation, and 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 0 feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Completed Stage 0 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 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 (USACE) – New Orleans District, Jefferson Parish & St. Charles Parish, LA.** *Deputy Project Manager and Lead Roadway / Drainage Engineer.* Development of ***preliminary and final design*** P&S for a 2,540-foot PPC girder / column bent bridge, highway approaches, and frontage roadways.

Firm employed by: GIS ENGINEERING LLC				Meets MPR No. 14
Name	**Jacob Loeske, PE, LSI**		Years of relevant experience with this employer	6
Title	Transportation Lead		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BS / 2002/ Environmental Engineering / Louisiana State University		
Active registration number / state / expiration date		PE. 33285 / LA / Exp. 09/30/2027 ; LSI - # 548 / LA / Exp. 09/30/2027		
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Planning/Environmental (NEPA)/Roadway Design – Line & Grade**		



Mr. Loeske has managed several roadway design projects that required widening and realignments for LADOTD and numerous municipalities. His leadership, strong project management skills, ability to meet aggressive letting dates, and understanding of project delivery for LADOTD Environmental/NEPA planning projects assures a quality product in accordance to the project schedule. He has taken the traffic control technician course and traffic control supervisor course sponsored by the American Traffic Safety Association. His professional experience also encompasses general civil and municipal engineering projects including transportation planning, roadway, bridge, intersection, interchange design, drainage design, site design, and lighting systems design. He is also experienced in managing and coordinating survey crews for various highway, drainage, and flood risk reduction projects. Mr. Loeske has more than 20 years of roadway design/NEPA experience and conducting public meetings. He has presented the findings of the Florida Avenue Stage 0 Feasibility Study and Environmental Inventory project at the 2013 Louisiana Transportation Conference. **He was the Project Manager for the St. Bernard Corridor Stage 0 Feasibility Study.**

Experience dates	Experience and qualifications relevant to the proposed contract
10/23 – 04/25	**Lower St. Bernard Roadway Network & Resilience Study (Stage 0 Feasibility Study), NORPC, St. Bernard Parish, LA.** *Project Manager.* Responsible for the successful completion of the Stage 0 Feasibility Study. He ***managed agency, Parish, and Port coordination, presented at agency and school board meetings***, oversaw the execution of several sub-consultants for traffic, toll, geometric improvements, rail coordination, elevated highway impacts through wetlands, and public engagement. Mr. Loeske also ***assisted with the Planning and Environmental Linkage (PEL) process*** and drafting and one-voicing of the Feasibility Report.
07/20 – Ongoing	**MRB South GBR: LA1 to LA30 Connector, LADOTD, Iberville/East Baton Rouge Parishes, LA.** *Project Manager.* Responsible for determining impacts and "show-stoppers" within the Mississippi River for proposed bridge crossing locations. ***Collaborated and coordinated with the USACE, USCG, and NOBRA Pilots to successfully complete a Navigation Study*** that determined areas designated as No Bridge Pier Zones and areas designated as No Bridge Zones based on regulatory restrictions. Also assisted with shapefiles and ArcGIS mapping for public engagement.
03/20 – 10/24	**Hollywood Road Bridge at LA 182, Terrebonne Parish Consolidated Government (TPCG), Terrebonne Parish, LA.** *Transportation Lead.* Responsible for providing oversight for all necessary engineering and related services required to design a new bridge over Bayou Black providing a connection from M.L. King Blvd. to LA 182 via the Hollywood Road Extension. This new bridge consisted of 3-lanes and pedestrian facilities. Assisted with the ***design, QA of plan and profile sheets, typical sections, summary of quantities, construction sequencing, and served as the Engineer of Record*** for this

	project. Also assisted the Parish with ***grant management and construction administration*** throughout the duration of construction.
09/16 – 03/20	**LA 21 to US 190, LADOTD, St. Tammany Parish, LA.** *Project Manager.* Responsible for ***providing all necessary engineering and related services*** required to widen and rehabilitate I-12 to the median side from a four-lane freeway to a six-lane freeway section in both the East and West bound directions, including auxiliary lanes connecting Pinnacle Parkway across the Tchefuncte River to US 190. Mr. Loeske served as the Engineer of Record for this project.
03/16 – 02/19	**H.011670.1 & H.011670.2: I-10/Loyola Interchange Improvements FONSI, LADOTD, Jefferson Parish, LA.** With the proposed reconfiguration of the New Orleans International Airport (MSY), the Loyola Drive/Aberdeen Street corridor was proposed for improvements in order to serve as the primary access point from I-10 to the proposed north terminal of the airport. The project included: Phase 1 - Interchange Modification Report (IMR) and ***Phase 2 - Environmental Assessment***. Mr. Loeske was responsible for ***performing the Line and Grade Study on the DDI at-grade improvement*** with two directional flyovers connecting to I-10. Mr. Loeske also ***participated in the public meetings*** and "one-voiced" the ***EA Document.***
07/15 – 02/17	**Francis Road Extension, St. Tammany Parish Government, Covington, LA.** Project Manager serving as Engineer of Record. Mr. Loeske ***performed conceptual design including alternative alignments*** to minimize wetland impacts, completed ***preliminary and final design plans and specifications, bidding phase, and construction administration*** for a new two-lane undivided minor connector inclusive of a shared-use path and combination open and subsurface drainage. He was also responsible for coordination of the topographic survey, soil analysis, drainage analysis, wetland assessment, USACE Jurisdictional Determination, LWF Scenic Streams permitting, and wetland mitigation.
02/10 – 05/15	**H.005257: Houma-Thibodaux to I-10 Corridor Environmental Impact Statement (EIS), LADOTD, Southeastern LA** Preparation of an EIS for a new 35-mile controlled access highway providing north/south system linkage between the Houma-Thibodaux areas and I-10. Regional Operations Manager /Senior Staff Engineer responsible for assisting in ***agencies and stakeholder coordination; performing field reviews; providing quality assurance of line and grade*** for multiple alignments totaling approximately 80 miles; assisting in NEPA documentation; and preparation of exhibits for public meetings.
10/11 – 09/12	**H.009213: LA 3132 Inner Loop Extension Stage 0 Feasibility Study and Environmental Inventory LADOTD, Shreveport, LA** Under the LADOTD IDIQ Contract, Mr. Loeske prepared a Stage 0 report for new alignment of LA 3132 that evaluated four alternatives to connect southern terminus of LA 3132 with LA 1 and future I-69 corridor. Work included ***environmental inventory, traffic studies, line and grade, typical sections, and cost estimates.*** Regional Operations Manager responsible for LADOTD and stakeholder coordination, ***conducting multiple open-house format public meetings,*** and quality assurance of the Stage 0 feasibility report. Also assisted in line and grade, typical sections, and opinion of probable costs for each alternative.

Firm employed by. ARCADIS				Meets MPR No. 15
Name	**Osama Shahawy, PE**		Years of relevant experience with this employer	4
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			PE.0035652 / LA / Exp. 09/30/2026	
Year registered	2001	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Bridge Concept Study; Preliminary Bridge Design**	

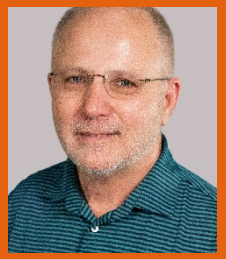


Mr. Shahawy has more than **34 years of structural bridge engineering experience** working on variety of different projects throughout Louisiana and the Southeast includes Stage 0 Feasibility Studies, NEPA studies, and design. He served as Project Manager or Task Lead on 100+ projects with extensive bridge plan, specification and estimate, rehabilitation and bridge replacement. His experience includes coordinating teams of engineers and other technical personnel on the preparation of bridge PS&E design/ management including on/off-system bridges in rural/urban areas with heavy utilities & complex TCP. 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 will 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 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Lead Bridge Engineer, Engineer of Record*. Responsible for Construction Management at Risk (CMAR) to improve Interstate 10 through widening and reconstruction of the mainline from three (3) to four (4) lanes in each direction, including bridge replacement and rehabilitation, interchange and ramp modification, shoulder widening, and auxiliary lane(s) from LA 415 to Essen Lane on I-10 and I-12. Responsibilities include ***design and detail of the Nairn Dr. Bridge spanning I-10 according to design criteria and LADOTD BDEM*** with a signature type bridge and preparing conceptual bridge plans required for the right-of-way corridor. Participate in meetings and work with the CMAR Contractor and LADOTD to develop preferred bridge concepts at completion.
10/22 – Ongoing	**Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Replacement (OSBR) Program, District 01, LADOTD, LA.** *Lead Bridge Design 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.
09/21 – 04/25	**Calton Road Overpass, TxDOT, 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 features 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.* Conducted ***Stage 0 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.

02/22 – 04/25	**I-10 Calcasieu River Bridge P3, LADOTD, Calcasieu Parish, LA.** *Bridge Project Manager* for the I-10 Calcasieu Bridge Replacement P3 project to replace the existing I-10 bridge over the Calcasie River with a new bridge north of I-10. The project also includes the construction of several new bridge structures within the project limits, both inside and outside widening of I-10, improvements and modifications to existing interchanges, and improvements to other associated roadways within the project limits.
04/12 – 05/13	**LA 1 over I-19 Bridge Rehabilitation, LADOTD, Rapides Parish, LA.** *Project Manager, Engineer of Record.* Provided professional inspection, rehabilitation design, and construction engineering services. The bridge is a four (4) span steel plate girder structure that has uneven settlement and rotation at the abutments which required rehabilitation to stabilize the movement and raise the bridge back to its original as-built elevation. Responsibilities included ***preparation of geometric layout plan development; bridge design and final plans, specifications and estimates*** for LA 1 Bridge over I-49 according to LADOTD BDEM. Performed QA/QC, prepared construction cost estimate, reviewed/revised plans based on LADOTD comments.
07/11 – 05/13	**MacArthur Drive Bridge Interchange, LADODT, Rapides Parish, LA.** *Bridge Design Engineer, 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.* Conducting bridge design evaluation for the use of Active Transportation and Demand Management (ATDM) strategies on Interstate (I-10). The project is to determine improvements of implementing shoulder lanes on I-10 in New Orleans East area. Responsibilities include ***preliminary bridge design to determine construction cost*** for structure widening of EB & WB I-10 based on four (4) scenarios utilizing existing shoulders on 1-10, as one of the scenarios. Developed Stage 0 Documentation including Preliminary Scope and Budget and Environmental Checklists.
08/20 – 11/20	**Alphonse Forbes Bridge at Sandy Bayou Replacement, City of Baton Rouge, East Baton Rouge Parish, LA.** *Bridge Design Engineer*. Responsible for the replacement of the Alphonse Forbes Road Bridge over Sandy Creek located in Central, Louisiana, in East Baton Rouge Parish. ***Reviewed final plan and calculations, completed QC design analysis and final bridge structure plans for a five (5) concrete slab span bridge***. Provided review comments for final plans and estimated quantities according to LADOTD guidelines.
07/11 – 05/13	**I-20 Mississippi River Bridge at Vicksburg, LADOTD, Madison Parish, LA / Warren County, MS.** *Project Manager, Engineer of Record*. The four-lane continuous main steel-truss through-deck bridge covers a total length of 1,716 ft. and a width of 60 ft. The main truss consists of two symmetrical 640.5 ft. cantilever spans and one 435 ft. drop span. The approach spans consist of 101 prestressed concrete spans and reinforced concrete pier caps. ***Responsible for review of as-built plans and all rehab projects 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.
07/11 – 06/12	**I-10 Calcasieu River Bridge,, LADOTD, Calcasieu Parish, LA.** *Project Manager, Engineer of Record*. Responsible for bridge inspection that include 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 ft. with a width of 62.67 ft. Responsible for ***review of the as-built and rehab project plans*** and indexing; developing inspection forms; and review of the results from the 3D computer model.

Firm employed by: GJS ENGINEERING LLC			Meets MPR No. 16
Name	**James Chustz, Jr., PLS**	Years of relevant experience with this employer	4
Title	Senior Surveyor	Years of relevant experience with other employer(s)	47
Degree(s) / Years / Specialization		Surveying Certificate	
Active registration number / state / expiration date		PLS - #4657 / LA / Exp. 03/31/2028	
Year registered	1992	Discipline	Professional Land Surveyor
Contract role(s) / brief description of responsibilities		**Survey**	



Mr. Chustz is a Registered Professional Land Surveyor in the states of Louisiana and Mississippi. Mr. Chustz has been licensed since 1992. Jimmy has over 50 years of surveying and mapping experience working on USACE, state, and municipal projects. Mr. Chustz is currently a member of the Louisiana Professional Engineering and Land Surveying Board serving as the Survey Committee Chairman and is also on the Nicholls State University Geomatics Advisory Board. He is active on the NCEES EPS Committee which is involved in the national exam for professional surveyors. He is an expert in GPS Control Surveys, Topographic Surveys, Survey Engineering, Bathymetric and Hydrographic Surveys, Geophysical Surveys, Property Surveys and professional mapping.

Experience dates	Experience and qualifications relevant to the proposed contract
05/23 – 02/25	**LA 44: Roundabouts @ I-10, LADOTD, Ascension Parish, LA.** Project Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of ***topographic surveys*** utilizing mobile LiDAR, uncrewed aerial LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.
02/24 – 07/24	**US 71: UPRR Overpass CLR Adjustment, LADOTD, Rapides Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic surveys utilizing mobile and stationary LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included a ***Drainage Map*** and Bentley InRoads DGN, DTM, and ALG files.
05/23 – 12/23	**LA 44: Pelican Point Roundabout & Widen, LADOTD, Ascension Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic surveys utilizing mobile LiDAR, uncrewed aerial LiDAR, conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included a Drainage Map and ***Bentley InRoads DGN, DTM, and ALG files***.
03/22 – 08/22	**LA 20: LA 304 – LA 307, LADOTD, Lafourche Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic and uncrewed single beam hydrographic surveys utilizing uncrewed ***aerial LiDAR and photogrammetry***, conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included a Drainage Map and Bentley InRoads DGN, DTM, and ALG files.
12/24 – 01/25	**LA 1206: Creek Bridge, LADOTD, Rapides Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and ***GPS/GNSS survey methods*** to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.

12/24 – 03/25	**LA 463: Drainage Bridge, LADOTD, Vernon Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of ***topographic surveys*** utilizing conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.
12/24 – 02/25	**LA 3187: Creek Bridge, LADOTD, Evangeline Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included ***Bentley InRoads DGN, DTM, and ALG files***.
12/24 – 03/25	**LA 970: Creek Bridge, LADOTD, Pointe Coupee Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic surveys utilizing conventional, RTK, and ***GPS/GNSS survey methods*** to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.
07/21 – 10/21	**LA 29 Bayou Cocodrie Bridge Scour Repair, LADOTD, Ville Platte, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this task order consisting of topographic and ***hydrographic surveys*** utilizing conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.
08/21 – 12/21	**LA 301 Priest Cana Bridge, LADOTD, Crown Point, LA.** Project Manager/Surveyor – Mr. Chustz was responsible for managing the logistics of this contract consisting of topographic and hydrographic surveys utilizing conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.
02/22 – 12/23	**West Baton Rouge Court St. Sidewalks, West Baton Rouge Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this contract consisting of topographic surveys, property surveys, ***right-of-way surveys***, and title research, ***utilizing mobile LiDAR, uncrewed aerial LiDAR***, conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files.
06/23 – 04/25	**LA HWY 22 Gapping Project ROW Maps, Ascension Parish, LA.** Principal/Surveyor – Mr. Chustz was responsible for the overall management of this contract consisting of topographic surveys, property surveys, right-of-way surveys, ***research, title take-off, and acquisition of parcels*** utilizing conventional, RTK, and GPS/GNSS survey methods to meet LA DOTD specifications. Deliverables included Bentley InRoads DGN, DTM, and ALG files, PDF maps, and title reports.

Firm employed by: TBS T. BAKER SMITH				Meets MPR No. 17
Name	**TJ Stokes, PE**		Years of relevant experience with this employer	5
Title	Senior SUE Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			Bachelor of Science / 2009 / Industrial Engineering	
Active registration number / state / expiration date			PE. 40079 / Louisiana / 03.31.2028	
Year registered	2015	Discipline	Industrial Engineer	
Contract role(s) / brief description of responsibilities			**Subsurface Utility Engineering (SUE)**	



Mr. Stokes has 17 years of experience successfully managing numerous SUE projects supporting transportation and roadway projects. As the Lead Professional for Subsurface Utility Engineering, he is currently overseeing the completion of DOTD and MDOT retainer contracts along with numerous other public and private client projects. He has thorough knowledge of the Subsurface Utility Engineering standards listed in CI/ASCE Standard 38-22 and is familiar with all SUE technologies and equipment, including but not limited to, ground penetrating radar (GPR), vacuum excavation, and numerous other types of geophysical locating equipment. He also has extensive experience managing and overseeing utility coordination and design projects.

Experience dates	Experience and qualifications relevant to the proposed contract
04/21 – 10/23	**IDIQ SUE Services Statewide; LADOTD; Statewide, LA**. Served as *Project Manager and Engineer of Record*, supporting 15 separate task orders involving Subsurface Utility Engineering (SUE) and utility coordination. Responsibilities included overseeing and delivering Quality Level B and Quality Level A SUE services in accordance with project-specific scopes. Conducted comprehensive QA/QC reviews of topographic survey data submitted to LADOTD to verify adherence to ASCE 38-02 guidelines. Additionally, evaluated and guided all utility coordination processes, including the ***development of conflict matrices and conflict resolution plans.***
05/23 – Ongoing	**IDIQ SUE Services Statewide; LADOTD; Statewide, LA**. Provide Project Management and serve as Engineer of Record, supporting multiple task orders involving Subsurface Utility Engineering (SUE). Oversee and deliver Quality Level B and Quality Level A SUE services in accordance with task order requirements. Perform ***QA/QC reviews of topographic surveys*** to ensure compliance with LADOTD requirements and ASCE 38-22 standards.
05/21 – 03/24	**Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA**. As the *Project Manager and Engineer of Record* for this project, responsibilities included overseeing and delivering Quality Level B and Quality Level A SUE services in accordance with ASCE 38-22 and LADOTD requirements. At the time of award, this was ***one of the larger SUE projects in LADOTD history spanning 8 miles of Interstate 10*** in Calcasieu Parish through a heavily congested manufacturing corridor. Led and supported utility coordination efforts, including the development of a conflict matrix and conflict resolution plans.
11/25 – Ongoing	**LA 384 Big Lake Rd to McNeese St.; LADOTD; Calcasieu Parish, LA**. *Contract administrator/Engineer of Record*. Responsible for all ***Subsurface Utility Engineering*** Quality Level B services for a highly congested 4-mile stretch of LA 384 near McNeese University. This important project requires roadway widening and drainage design where knowledge of exiting utility location is imperative.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946				Meets MPR No. 18
Name	**Matthew K. Morales, P.E.**		Years of relevant experience with this employer	17
Title	Project Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2008 / Civil Engineering	
Active registration number / state / expiration date			PE.0038211 / LA / Exp. 09/30/2027	
Year registered	2013	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Geotechnical Studies**	



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 Master-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 LA.

Experience Dates	Experience and qualifications relevant to the proposed contract
01/21 – Ongoing	**State of LA, Department of Transportation and Development (LADOTD), Bayou Barataria Bridge Replacement, Jefferson Parish, LA.** 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) drivability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Responsible for performing internal reviews of the engineering analyses, the geotechnical data report, and the geotechnical design report completed for this project. Also leading the EDC efforts.
03/20 – 06/25	**State of LA, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, LA.** Services for this project included a subsurface exploration including undisturbed borings, auger borings, and cone penetration tests that were 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 different major project features. Was the geotechnical design engineer for all project features, which included driven pile and drill shaft foundation design, slope stability analyses, retaining wall design, embankment evaluations, roadway pavement design, and developing 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. 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.
10/13 – 2/15	**State of LA – Route Interstate 10, Highland Road to LA Highway 73, East Baton Rouge and Ascension Parishes, LA.** *Project Engineer*. Oversaw the field investigation phase of this project. ***Performed analyses for deep foundations*** and analyzed settlement for the widening of the overpasses and approach embankments.
06/11 -02/13	**State of LA - Essen Lane Interchange Westbound, Route Interstate 12, East Baton Rouge Parish, LA.** *Project Engineer*. Performed engineering analyses to ***evaluate some of the retaining wall alternatives***. 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, LA.** Eustis Engineering provided design and engineering during construction (EDC) services. ***The design phase scope, 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 LA - Huey P. Long Bridge Widening, Route U.S. Highway 90, West Bank and East Bank Approaches and Main Bridge Deck Widening.** Was involved in the later phases of this project as a project engineer. 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, LA.** Project Engineer Performed Wave Equation Analysis of Piles (WEAP) analyses for this project. 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. 18
Name	**Patrick A. Thurmond, P.E.**		Years of relevant experience with this employer	10
Title	Senior Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / 2020 / Civil Engineering / University of New Orleans MS / 2018 / Engineering Management, University of New Orleans BS / 2015 / Civil Engineering, University of Oklahoma	
Active registration number / state / expiration date			PE.0044237 / LA/ Exp. 09/30/2026	
Year registered	2020	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Geotechnical Studies**	



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
06/21 - Ongoing	**Port of New Orleans – LA International Terminal, Violet, LA.** *Project Manager* 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, preparing numerous design deliverables, and countless other tasks.*** Has been involved in the LA 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. 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.
10/22 - Ongoing	**U.S. Army Corps of Engineers - Morganza to the Gulf Hurricane Protection Project, Minors Canal Floodgate Complex and Shell Canal East Floodgate Complex, Terrebonne Parish, LA.** Eustis Engineering provided geotechnical field and laboratory services for the Minors Canal Floodgate Complex as part of the U.S. Army Corps of Engineers Morganza to the Gulf Hurricane Protection Project. The effort included marine, marsh, and land-based subsurface investigations consisting of soil borings and cone penetration tests. Our ***scope also included laboratory testing of undisturbed samples to characterize stratigraphy, strength, and compressibility for floodgate design support***. The results were documented in a comprehensive Geotechnical Data Report, the geotechnical design engineer for the project. Mr. Thurmond assisted with the coordination of the field and laboratory services.

10/22 – 2/23	**National Park Service – Jean Lafitte National Historical Park, Preserve Trail Improvements at Barataria Preserve New Orleans, LA.** *Project Manager.* Coordinated field work, managed the project schedule, and reviewed CPT data. Also signed the final geotechnical report. The ***geotechnical investigation was meticulously planned and executed, involving a combination of three deep, undisturbed sample borings (to 60 feet),*** thirteen collocated hand auger borings and dynamic cone penetration tests (DCPTs), two cone penetration tests (CPTs), and four direct push Geoprobe® borings. These explorations were strategically distributed along the trail alignments to capture the variability of subsurface conditions across the project area.
05/21 – Ongoing	**Jefferson Parish - Proposed Multi-Use Pathways and Bridges, Bucktown at 17th Street Canal and Veterans Boulevard, Jefferson Parish, LA.** 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 LA Coastal Protection and Restoration Authority; and the U.S. Army Corps of Engineers, New Orleans District. 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. Performed engineering analyses in support of deep foundation design, slope stability for the existing flood protection features, and a lightweight embankment design. ***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.
01/21 – Ongoing	**Bayou Barataria Bridge Replacement, LADOTD, Jefferson Parish, LA.** The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis ***Engineering 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) drivability, dynamic pile testing with signal matching, and development of a vibration monitoring plan. Planned and performed a precondition survey and later provided support on the PDA process.
02/18 – 10/19	**Greater New Orleans Expressway Commission (GNOEC) - Lake Pontchartrain Causeway, Safety Bay Improvements, Jefferson and St. Tammany Parishes, LA.** *Field Engineer.* Spent many hours ***performing Wave Equation Analysis of Piles (WEAP) analyses and utilizing a Pile Driving Analyzer® in the early stages of construction.*** 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. Engineering ***design support during construction comprised submittal reviews, review and evaluation of daily pile driving records, and responses to RFIs***. End-of-drive and restrike dynamic pile tests were performed on precast concrete piles, and the data obtained was used to develop installation criteria for job piles. Completed the design analyses compiled in the geotechnical report as the project engineer.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946				Meets MPR No. 19
Name	**Travis R. Richards, P.E.**		Years of relevant experience with this employer	19
Title	Vice President of Testing and Senior Project Manager		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			MS / 2017 / Engineering, University of New Orleans MS / 2015 / Engineering Management, University of New Orleans BS / 1998 / Civil Engineering, LA State University	
Active registration number / state / expiration date			PE.0030992 / LA/ Exp. 03/31/2027	
Year registered	2004	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Geotechnical Studies**	



Mr. Richards has extensive experience in civil and geotechnical engineering, with responsibilities spanning planning, permitting, design, field exploration, construction materials testing (CMT), instrumentation, and project management. He joined Eustis Engineering in 1999 as a staff engineer and has since been involved in all phases of geotechnical practice, with particular emphasis on field exploration programs, laboratory testing oversight, engineering analyses, and report preparation. His technical expertise includes evaluations of soil bearing capacity, pile load capacity, slope stability, settlement, pavement design, and construction submittal review. Mr. Richards has served as engineer in responsible charge for CMT and construction quality control on large residential developments, major FDOT projects, and U.S. Army Corps of Engineers initiatives. He also oversees Eustis Engineering's instrumentation services, including inclinometers, piezometers, and real-time monitoring systems, and provides firmwide quality control and technical support as chief technology officer.

Experience Dates	Experience and qualifications relevant to the proposed contract
06/21 – Ongoing	**Port of New Orleans - LA International Terminal, Contract Nos. PORTNOLA-2020-332 and PORTNOLA-2022-648, Violet, LA.** 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 the necessary data for the design and construction of the terminal's infrastructure. The scope of work involves ***geotechnical exploration; data analysis and reporting; load testing and monitoring; and test embankment design, instrumentation, and monitoring***. Eustis Engineering's contributions to the Port of New Orleans - LA International Terminal project also include CMT. These services involve ***testing soils used as embankment fill for the test surcharges, on-site observations of the clearing and stripping, and site preparation activities at the test embankment sites***. In addition, our CMT technicians logged the installation of the driven concrete piles for the pile load testing program. Reviewed the instrumentation plans, cone penetration test (CPT) data, and data on slope inclinometers associated with the test embankment sites in addition to handling troubleshooting.
06/21 – 01/22	**I-10 Calcasieu River Bridge Project, LADOTD, Lake Charles, LA.** This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A ***geotechnical data report, boring log files, and test results were provided to the client***. Responsibilities included adjustments to the gINT library to produce the requested information. Also provided a quality level review of the data and laboratory summaries.

01/21 – 12/23	**State of LA, Department of Transportation and Development (LADOTD), Bayou Barataria Bridge, Jefferson Parish, LA.** The goal of this project is a full replacement of the Bayou Barataria Bridge. Eustis Engineering obtained relevant permits and land access and drilled 24 borings over water, marsh, and pavement. Geotechnical analyses 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. ***Oversaw the QA/QC of laboratory testing services and reporting.*** Adjusted the gINT® database/library to allow for client requested formatting and report generation to complete the data report.
03/20 – 06/25	**I-10 and I-12 College Flyover Ramp Design-Build Project, LADOTD, East Baton Rouge Parish, LA.** Services for this project included undisturbed borings, auger borings, and cone penetration tests (CPTs). Eustis Engineering L.L.C. also provided laboratory testing including one-point unconsolidated undrained triaxial compression shear, Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests. ***Provided quality review of the laboratory testing services and CPT results.***
03/18 – 01/19	**West Roadway Street Drainage Repairs, South Roadway Street to Floodgate L-01, Orleans Levee District, New Orleans, LA.** Provided direct oversight of the field inspectors, laboratory testing of soils and concrete, and quality assurance. Also provided review of material submittals, dispute resolution, and acted as a liaison among ***construction materials testing and project civil and geotechnical engineers.***
04/17 – 07/18	**Bourbon Street Reconstruction Project, Canal Street to Dumaine Street, City of New Orleans, New Orleans, LA.** *Project Manager*. Provided direct oversight and ***review of soils and aggregates materials' sampling and laboratory testing***, in place nuclear density testing, and vibration monitoring results. Reporting and managing data were handled through an online database, MetaField.
01/12 – 06/24	**Route I-10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, State of LA, Jefferson Parish, LA.** Performed settlement analyses for various embankment fill heights and widths as well as slope stability analyses to evaluate each of the canal crossings. He also provided a ***quality review of the 6,261 feet of soil borings tested and the 8,553 feet of CPTs processed during the exploration phases.***
02/09 – 03/15	**Preparation of Design Documentation Report and Plans and Specifications, WBV-74 and WBV-09b, Western Tie-In Closure Structure, USACE, St. Charles and Plaquemines Parish, LA.** Instrumentation Engineer. Involved in the development and implementation of the instrumentation plan and ***oversaw the field installation of the geotechnical monitoring equipment including data loggers.*** Processed instrumentation readings and created modeling of the preload/surcharge stacks to evaluate progress of the project preload/surcharge program. Summarized the instrumentation readings and observations in the form of geotechnical data reports.
04/08 – 04/14	**Inner Harbor Navigation Canal Surge Protection Project, USACE, New Orleans, LA.** As the geotechnical design lead included project management and review of deliverables of other geotechnical engineering consultants during the project, ***geotechnical design of project features, oversight and acceptance of piles driven*** to support the project and served as the liaison for geotechnical matters for the design-build contractor, during the project.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946				Meets MPR No. 20
Name	**Ryan A. Rodrigue**		Years of relevant experience with this employer	23
Title	Laboratory Project Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			High School / 1998 / General Studies	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Geotechnical Studies**	



After more than 11 years working in the soils laboratory, Mr. Rodrigue was promoted to assistant laboratory manager and later to laboratory manager in 2018. In this role, he oversees the receipt, processing, and scheduling of laboratory samples while coordinating multiple concurrent projects to ensure deadlines and quality standards are met. He manages daily workloads, provides direction and support to laboratory staff, and ensures the accuracy and completeness of all laboratory deliverables. Mr. Rodrigue works closely with the Engineering and Construction Materials Testing departments to review, report, and deliver laboratory data within required timeframes. He is responsible for training and developing laboratory personnel in accordance with ASTM, AASHTO, U.S. Army Corps of Engineers, and LaDOTD standards, as well as implementing the firm's quality system program. His duties also include budget oversight, staffing coordination, equipment selection, and review of employee and subcontractor timesheets.

Experience Dates	Experience and qualifications relevant to the proposed contract
06/21 - Ongoing	**Port of New Orleans - Louisiana International Terminal, Contract Nos. PORTNOLA-2020-332 and PORTNOLA-2022-648, Violet, Louisiana.** 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 the necessary data for the 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***. Eustis Engineering's contributions to the Port of New Orleans - Louisiana International Terminal project also include construction materials testing. These services involved ***testing of soils used as embankment fill for the test surcharges, on-site observations of the clearing and stripping, and site preparation activities*** at the test embankment sites. As Laboratory Manager, Mr. Rodrigue managed laboratory testing efforts throughout the various stages of this project.
06/21 – 01/22	**State of Louisiana, Department of Transportation and Development (LADOTD), I-10 Calcasieu River Bridge Project, Lake Charles, Louisiana.** This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Laboratory testing of samples includes triaxial unconsolidated undrained tests, Atterberg limits, particle size analysis, moisture content, the test to establish the percent passing a U.S. Standard No. 200 mesh sieve, and consolidation with rebound. A ***geotechnical data report, boring log files, and test results were provided to the client***. Mr. Rodrigue oversaw laboratory testing and provided quality assurance review of laboratory data.
01/21 – 12/23	**State of Louisiana, Department of Transportation and Development (LADOTD), Bayou Barataria Bridge, Jefferson Parish, Louisiana.** 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. As Laboratory Manager, Mr. Rodrigue provided scheduling and oversaw laboratory testing, data management, and quality assurance.
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.** Services for this project included undisturbed borings, auger borings, and cone penetration tests. Eustis Engineering also ***provided laboratory testing including shear tests, Atterberg limits tests, hydrometer analyses, and one-dimensional consolidation tests.*** Mr. Rodrigue was responsible for reviewing laboratory data reports and coordination with the project manager on the testing schedule to meet project needs.
06/18 – 11/18	**Port of New Orleans - Almonaster Bridge Over the Inner Harbor Navigation Canal, New Orleans, Louisiana.** Mr. Rodrigue ***oversaw laboratory testing and reviewed laboratory data for this project.*** Although this bridge is owned and operated by the Port of New Orleans, numerous stakeholders were considered for the design basis and data reporting. The testing and boring log format implemented for the project included ***LADOTD standards for the borings*** made for the vehicular and railroad bridge. U.S. Army Corps of Engineers standards were considered where the new approach embankments intersected the existing flood protection. Finally, shallow borings for the approach roadways considered City of New Orleans, Department of Public Works standards.
01/18 – 04/21	**State of Louisiana, Department of Transportation and Development (LADOTD), Canal Boulevard Reconstruction, Robert E. Lee Boulevard to Amethyst Street, Orleans Parish, Louisiana.** The scope of work for this project included soil mechanics laboratory tests, in place nuclear density tests, concrete inspections, ***compressive strength testing of concrete cylinders, and asphalt pavement cores at 172 locations to the approximate 12-in. depth***. Mr. Rodrigue was responsible for overseeing laboratory testing and reviewing laboratory data.
01/12 - 07/17	**State of Louisiana - Interstate 10, Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard, Jefferson Parish, Louisiana.** Eustis Engineering completed a total of 6,261 feet of undisturbed borings and 8,553 feet of cone penetration test soundings on this project. Engineering analyses included ***settlement estimates, slope stability analyses, development of a preload/surcharge program, and evaluation of construction sequencing***. Mr. Rodrigue provided oversight of laboratory testing and reviewed laboratory data for inclusion in the gINT® database for reporting of logs in the LADOTD format.

Firm employed by. EUSTIS ENGINEERING L.L.C. SINCE 1946				Meets MPR No. 21
Name	**Lawrence W. Rome, CET**		Years of relevant experience with this employer	31
Title	Senior Geotechnical Technologist		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			Associate's Degree / 1998 / Applied Sciences	
Active registration number / state / expiration date			Certified Engineering Technologist (CET) Water Well Contractor / LA / 06-30-2026	
Year registered	2011	Discipline	Geotechnical Field Services	
Contract role(s) / brief description of responsibilities			**Geotechnical Studies**	



Since joining Eustis Engineering in 1994, Mr. Rome has worked in several departments throughout our firm. He began as a laboratory technician, performing routine testing such as grain size analyses, Atterberg liquid and plastic limits, and unconfined compression shear as well as more complex testing procedures such as permeability and consolidation tests, lime stabilization studies, California Bearing Ratio tests, relative density tests, and compaction tests. In addition to his work in the laboratory, he also worked with the drilling department, first as a soil technician and eventually as a driller and drilling department manager. He currently serves as the operations manager overseeing all field and laboratory services. He coordinates with the drilling, CMT and laboratory managers to prioritize schedules, training, and deliverables. Mr. Rome has extensive experience drilling and overseeing the geotechnical drilling activities in marsh, marine, and land environments.

Experience Dates	Experience and qualifications relevant to the proposed contract
06/21 – Ongoing	**Port of New Orleans - LA International Terminal, Contract Nos. PORTNOLA-2020-332 and PORTNOLA-2022-648, Violet, LA.** Eustis Engineering's involvement in the project includes a comprehensive range of geotechnical services. These services involved ***geotechnical exploration, data analysis and reporting, load testing and monitoring, and test embankment design, instrumentation, and monitoring***. Participated in preconstruction meetings, assisted field crews in setting up geotechnical instrumentation, and scheduled field operations for all exploration phases.
12/24 – 05/25	**State of LA, Department of Transportation and Development, Bayou Macon Bridge Replacement, U.S. Highway 80, Delhi, LA.** The LADOTD planned to replace the Bayou Macon Bridge near Delhi in Richland Parish, LA. Eustis Engineering L.L.C. ***performed five soil borings to depths of 120 feet, four borings performed on land adjacent to the bridge abutments*** and one boring performed within Bayou Macon adjacent to the bridge. Soil mechanics laboratory tests were performed in our accredited laboratory to meet LADOTD standards. Visited the project site and managed field operations. He also coordinated the subcontracted services for the marine boring.
05/21 – 01/22	**State of LA, Department of Transportation and Development (LADOTD), I-10 Calcasieu River Bridge Project, Lake Charles, LA.** This project comprised 24, 100-ft borings (75% over land and 25% in marsh). Duties included ***review of the project schedule with the Project Manager, schedule adjustments for the field crews, ensuring changes in field scope were communicated to the drilling supervisor and field crews, and overall quality control of the field services***. He also coordinated with the third party providing equipment for access to the borings made in a marsh environment.

01/21 – 12/23	**State of LA, Department of Transportation and Development (LADOTD), Bayou Barataria Bridge, Jefferson Parish, LA.** For this full replacement of the Bayou Barataria Bridge, we ***obtained relevant permits and access and drilled 20 borings over water or marsh to depths of 100 to 200 feet below the mudline, and also performed 4 shallow pavement borings.*** Between project authorization and mobilization of our crews, the area was impacted by Hurricane Ida that increased the urgency of the new bridge. The U.S. Army Corps of Engineers installed and operated a temporary bridge after the hurricane. However, this also impacted on our access to the marine boring operations and required additional coordination efforts. Stepped up to this challenge and managed our efforts seamlessly.
03/20 – 06/25	**State of LA, Department of Transportation and Development, I-10 and I-12 College Flyover Ramp Design-Build Project, East Baton Rouge Parish, LA.** 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. Services for this project included undisturbed borings, auger borings, and cone penetration tests. Responsibilities for this project included ***high-level project coordination such as site visits, schedule reviews, field coordination and scheduling***, including traffic control considerations.
03/11 – 08/16	**State of LA - Wisner Boulevard Overpass, Orleans Parish, LA.** Eustis Engineering was involved with several phases of the Wisner Boulevard Overpass project. Initial involvement began in 2011 with the performance of 12 soil borings (each 100 feet in depth) for the proposed widening of the existing bridge under State Project No. H.004732.5. Thirteen soil borings were added to the project in 2012 when a full replacement was being considered. Dedicated many hours to the oversight of drilling activities to both exploration phases for this project.
02/09 – 04/10	**U.S. Army Corps of Engineers – Inner Harbor Navigation Canal Surge Protection Project, Orleans and St. Bernard Parishes, LA.** *Operations Manager.* Dedicated over 250 hours to this effort, including QA/QC duties during the exploration phases. The project would allow the U.S. Army Corps of Engineers to achieve a level of 100-year flood protection for some of the region's areas most prone to flooding. ***Geotechnical explorations were conducted with multiple crews in marsh, marine and land-based environments to meet schedule and site constraints***. This project was fast-paced and included coordination with multiple stakeholders in addition to third-party equipment operators to complete the explorations to meet the design team's demands.

Firm employed by. ARCADIS				Meets MPR No. 23
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			**Hydrologic and Hydraulic Analysis**	



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				Meets MPR No. 24
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			**Hydrologic and Hydraulic Analysis**	



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				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, 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			**Cost Estimates; Financial Plan**	



Mr. Goddin demonstrates the ability to determine long and short-term objectives, implement activities to achieve positive results and efficiently utilize resources. Specific skill and expertise include coordination work between trades, provided bottoms up estimates, using HCSS Heavy Bid, PlanSwift, Insite and Sage for estimating, quality management and leadership. Demonstrated ability to determine long and short-term objectives, implement activities to achieve positive results and efficiently utilize resources. Skills and experience include: Foreman/Superintendent/PE/PM; 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 & Heavy Job; PlanSwift & InSite take-off software; Sage Estimating Software. Key attributes include professionalism, maintaining an eye for detail and the ability to see a project through to completion. Excellent interpersonal and communication skills with people at all levels.

Experience dates	Experience and qualifications relevant to the proposed contract
09/22 – Ongoing	**GDOT Various Projects, Georgia.** *Lead Cost Estimator* who 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* who 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	**VDOT Suffolk District, Hampton Roads, VA.** *Construction Manager/ Lead Estimator* Review plans for constructability and accuracy. Put together bottoms up independent cost estimates and review with Engineer's. Provide insight for potential contractor means and methods. Manage project and task budgets and resources. Interface and lead 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* who 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 US Government work including Norfolk International Airport, Newport News/Williamsburg International Airport, US Navy, US Airforce, US Army and US Coast Guard. Perform full take-off of all aspects of site work utilizing InSite and PlanSwift. Generate estimate utilizing Timberline. Solicit all subcontractor and supplier quotations. Perform hand-off of projects to project team upon award. Manage assigned projects from start to finish.

11/13 – 2/17	**Curtis Contracting Company, West Point, VA.** *Senior Project Engineer* Manage project budget and perform PCI's as necessary to update budget. Perform weekly and monthly financial reports. Perform project projection as necessary. Work with Purchasing to ensure all purchase orders/contracts are in order. Direct, coordinate and exercise functional authority for the planning of all concrete operations. Communicate, model, and reinforce CCI culture and leadership practices with other team members. Prepare monthly invoice to owner. Prepare and negotiate change orders to owner and subcontractors as necessary. Prepare RFI's and Submittals as necessary.
04/17 – 08/17	**Tutor Perini Corporation, Civil East – New Rochelle, NY,** *Senior Project Engineer.* Direct, coordinate and exercise functional authority for the planning of all site work operations. Manage assigned Field Engineer and EIT. Manage subcontractors involved in site work operations. Perform all take-off of materials to confirm quantities and manage productions. Coordinate all import and export of material. Prepare and negotiate with Owner all PCO's related to site work. Work with Purchasing to ensure all purchase orders/contracts are in order. Prepare RFI's and Submittals as necessary.
11/13 – 2/17	**Curtis Contracting Inc. – West Point, VA.** *Project Manager / Lead Estimator.* Manage project budget and perform PCI's as necessary to update budget. Perform weekly and monthly financial reports. Perform project projection as necessary. Work with Purchasing to ensure all purchase orders/contracts are in order. Direct, coordinate and exercise functional authority for the planning of all concrete operations. Communicate, model, and reinforce CCI culture and leadership practices with other team members. Prepare monthly invoice to owner. Prepare and negotiate change orders to owner and subcontractors as necessary. Prepare RFI's and Submittals as necessary.
8/09 – 11/13	**American Infrastructure – VA.** *Senior Project Engineer/ Cost Estimator.* Manage project budget and perform PCI's as necessary to update budget. Work with PM to perform weekly and monthly financial reports. Work with PM to perform project projection as necessary. Work with PM and Purchasing to ensure all purchase orders/contracts are in order. Direct, coordinate and exercise functional authority for the planning of all concrete operations. Communicate, model, and reinforce AI culture and leadership practices with other team members. Prepare monthly invoice to owner. Prepare and negotiate change orders to owner and subcontractors as necessary. Prepare RFI's and Submittals as necessary. Assist Estimating in preparation of bids for new work.
5/00 – 8/09	**Archer Western Contractors, Ltd – Richmond, VA.** *Project Engineer and Cost Estimator*. Liaison between company and owner. Prepare all correspondence to owner and subcontractors. Prepare monthly invoice to owner. Prepare contracts/subcontracts as necessary. Prepare and negotiate change orders to owner and subcontractors. Prepare RFI's and Submittals as necessary. Maintain all daily and monthly paperwork. Schedule Archer-Western's work as well as subcontractors' work. Manage project budgets ranging from $1.5 to $100 million. Perform all financial reporting to Corporate. Update and submit projections as necessary. Assist Estimating in preparation of bids for new work.
12/99 – 5/00	**Virginia Department of Transportation – Williamsburg, VA.** *Engineering Technician / Project Estimator*. Inspect all phases of highway construction. Receive and stock inventory, pull and deliver inventory per customer order.
01/90-05/99	**E.V. Williams, Inc. – Virginia Beach, VA** *Concrete Superintendent / Project Estimator.* Supervise the concrete divisions work crew mixing and pouring concrete while ensuring jobs are completed in a timely manner and according to customer, state, and local regulations. Maintain a safe workplace and monitor quality; ensure customer receives the highest quality products. Perform as corporate liaison to resolve problems. Run jobs in the field and troubleshoot problems with personnel, owner, and subcontractors. Consistently meet job deadlines. Manage daily operations and streamline procedural operations to maintain/increase profitability.

Firm employed by. ARCADIS				Meets MPR No. 25
Name	George Passaro, PE, CCM		Years of relevant experience with this employer	7.5
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			PEN.0036269 / CT / Exp. 01/31/2027; PE.57420 / MA / Exp. 06/30/2026; PE #09527801 / NY / Exp. 12/31/2026 Certified Construction Manager	
Year registered	2015	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Cost Estimates**	



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 MBTA, SEPTA, MARTA, MDAD, and 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 IDIQ Contracts Z91PS27, Z91PS29, and Z91PS63 MBTA, MA.** *Cost Engineer.* Leading Task Order assignments with the MBTA including a range of project controls services, including estimating, cost control, change management, constructability reviews, risk analysis, value engineering studies, etc. Worked as Lead Estimator, Constructability Lead, Risk and VE SME for numerous projects. Cost: $660M
06/11– 11/15	**East Side Access, LIRR, Amtrak, NJT, Queens, NY.** *Cost Engineer.* Work 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, retaining walls, drainage, track beds. Cost: $300M
11/15– 03/17	**Various Projects, MassDOT, Statewide, MA.** *Cost Engineer/Estimator.* 30-40 MassDOT projects statewide. Responsible for quantity take-offs, DBE participation, site visits, specification and plan review, crew size and equipment determinations, productivity analysis, material pricing, use of electronic estimating software Bid2Win, and responsible for timely bid submittal Bidx.com.
10/19– 10/19	**Alewife Station, MBTA, Boston, MA.** *Cost Engineer/Constructability Lead.* Performed Constructability and cost review of a phased station rehabilitation including demolition of existing platforms, installation of mini-piles, pile caps, pre-cast platforms, elevators, ramps/stairs, canopies, lighting, power, track bed construction, track re-alignment, site drainage. Cost: $30M
06/21 – 04/24	**Red Line/Orange Line Mainline Signals Upgrade MBTA, Boston, MA.** *Cost Engineer/Senior Estimator.* Key member of the RL/OL 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.

TECHNICAL SUPPORT STAFF

Firm employed by. ARCADIS			
Name	**Kovid Saxena, AICP, LEED AP, ENV SP**	Years of relevant experience with this employer	<1
Title	Environmental Planner	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization	MS / 2004 / Urban Planning / Columbia University B.Arch / 1999 / Architecture / Mumbai University		
Active registration number / state / expiration date	AICP # 022351 / USA / Exp 01/2028		
Year registered: 2008	Discipline: Planning		
Contract role(s) / brief description of responsibilities	**Alternative Evaluation/ PEL to NEPA Crosswalk; NEPA Documentation**		



Mr. Saxena is a Transportation Sector Leader with more than 25 years of experience in providing consulting services for cross-sector infrastructure projects. He has managed on-call contracts for multiple state/city agencies and has led inter-disciplinary projects for a broad range of federal, state, and New York City agencies, including feasibility/corridor studies, EAs, and has served as principal or project manager for over 10 EISs. He has managed on-call contracts for multiple state/city agencies. Specific strategic initiatives include development of the NYC BRT (Select Bus Service) pilot routes, Brooklyn-Queens Connector urban rail, Brooklyn-Queens Expressway (Triple-Cantilever), Bayonne Bridge Navigational Clearance, and East Midtown Rezoning. He routinely speaks at national conferences, including the National Association of Environmental Professionals and the International Conference on Ecology and Transportation. He serves on the National Association of Environmental Professionals board of directors, Urban Land Institute NY Infrastructure Council, and the Municipal Art Society of New York's Planning Committee.

Experience dates	Experience and qualifications relevant to the proposed contract
10/08 – 03/11	**Brooklyn-Queens Expressway (Triple-Cantilever) Transportation Corridor Study and Project Scoping Report, New York State Department of Transportation (NYSDOT), Brooklyn, NY.** *Task Leader.* Responsible for preparing environmental and planning studies for the proposed rehabilitation, reconstruction or replacement of a 1.5-mile segment of the Brooklyn-Queens Expressway (Interstate 278). The project included ***evaluation of transportation infrastructure alternatives*** and strategies, and involved ***extensive public involvement and outreach***.
10/10 – 05/13	**I-81 between I-481/81 Interchanges 16A and 29 Transportation Corridor Study, NYSDOT, Syracuse, NY.** *Task Leader.* Planning lead for the preparation of the corridor study related to the rehabilitation or reconstruction of Interstate 81 in Downtown Syracuse. Led the evaluation and screening of technical areas for a broad range of rehabilitation or reconstruction alternatives to ***identify a preferred alternative*** for design development and environmental analysis. The project included the evaluation of alternative roadway alignments for this segment of I-81.
02/11 – 10/13	**Transportation Corridor Study for Route 17, NYSDOT, Orange And Sullivan Counties, NY.** *Task Leader. R*esponsible for the preparation of the corridor study and ***facilitation of public outreach activities*** as part of a transportation corridor study to mitigate traffic congestion and improve operations along a 50-mile segment of New York State Route 17 in Orange and Sullivan Counties. The project included screening of technical areas, including noise, for roadway, transit and land use alternatives based on existing and forecasted land use, traffic, environmental, and socioeconomic conditions.
02/14 – 05/16	**North Country Access Improvements Transportation Corridor Study, NYSDOT, St. Lawrence County, NY.** *Task Leader.* Responsible for the preparation of the North Country Access Improvements Study, which is a transportation corridor study

	for US Route 11 that focuses on opportunities to ***improve cross-border freight mobility, quality of life, operational safety and foster local economic development*** in the North Country region of New York State.
02/13 – 12/15	**Marine Parkway Gil Hodges Memorial Bridge Rehabilitation EA, MTA Bridges and Tunnels, Brooklyn and Queens, NY.** *Task Leader.* led the preparation of ***Environmental Assessment (EA)*** documentation to provide critical repairs at the Marine Parkway Gil Hodges Memorial Bridge, which is a vertical lift bridge that crosses the Rockaway Inlet and connects the Rockaway Peninsula in Queens and the Marine Park neighborhood in Brooklyn, New York. The bridge spans between the historic Floyd Bennett airfield on the north end and Jacob Riis Park on the south end.
01/20 – 04/20	**Woodhaven Boulevard BRT NEPA, NYC DOT, Queens, NY.** *Project Manager*. In order to finance the capital project phase of the Woodhaven Boulevard Select Bus Service (SBS) project, NYC DOT is in the process of applying for a Federal Transit Administration (FTA) Small Starts grant in the FTA's Capital Investment Grants (CIG) program. Under the NYC DOT TPM ESA, led a study to provide input for the ***FTA Categorical Exclusion (CE)*** in conformance to NEPA and FTA's regulations for implementing NEPA (23 CFR 771.117(c)(12)).
05/25 – 11/25	**VHF Upgrade Project, Southeastern Pennsylvania Transit Authority (SEPTA), NEPA, PA.** *Project Manager.* Served as project principal for the preparation of NEPA documentation, ***Section 4(f)***, and Coastal Zone Consistency documentation, and ***agency consultation pursuant to Section 106 of the National Historic Preservation Act and Section 7 of the Endangered Species Act*** for the replacement of the existing VHF radio system equipment and installation of new equipment to improve the system performance for the 13 regional rail lines providing commuter and general passenger rail service to residents of the suburban areas surrounding the City of Philadelphia. FTA served as the NEPA lead agency.
01/16– 04/16	**Brooklyn-Queens Waterfront Streetcar/Light Rail Feasibility Study, NYC DOT/NYC Economic Development Corporation (NYCEDC), Queens, NY.** *Task Leader.* Under the NYCEDC Transportation Planning on-call contract, led the planning assessment of a modern streetcar/light rail transit system to serve the Brooklyn-Queens waterfront The study refined and assessed the proposed alignment and ***developed route alternatives***, investigated typical and proposed propulsion technologies, assessed major traffic, parking and goods movement issues, investigated bridge crossing infrastructure needs, and ***reviewed utility relocation issues***, among others.
01/22 – 12/22	**CBD Tolling Program Review NEPA EA Review, NYC DOT, New York, NY.** *Subject Matter Expert.* Under the NYC DOT Transportation Planning and Management (TPM) ESA, supported technical review of the Central Business District Tolling Program ***Environmental Assessment***. Key technical review areas include air quality and Environmental Justice. MTA served as the SEQRA lead agency, and FHWA served as the NEPA lead agency
04/25 – 11/25	**Citywide EV Charging Infrastructure Grant Program NEPA, NYC DOT, New York, NY.** *Principal.* Under the NYC DOT TPM ESA, oversaw preparation of ***NEPA, Section 4(f), and Coastal Zone Consistency documentation***, and agency consultation pursuant to Section 106 of the National Historic Preservation Act andSection 7 of the Endangered Species Act for the citywide implementation of curbside EV charging infrastructure. The Proposed Project would install 600 L2 EV charging ports across the five boroughs at up to 150 charging stations, charging station-related signage, replace charging equipment at 34 existing L2 curbside charging locations, install charging ports at 19 existing L2 curbside charging locations, and deploy 32 L2 solar-powered EV charging ports at eight NYC Parks locations. FHWA is serving as the NEPA lead agency.

Firm employed by.	NY ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS		
Name	**Lydia Jemison, AICP, GIP**	Years of relevant experience with this employer	23
Title	Transportation Planner	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		MS / 1988 / Urban and Regional Planning	
Active registration number / state / expiration date		AICP #126106 / USA / Exp. 07/2027; PTP No. 643; GIP No. 974	
Year registered	2001	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Alternative Evaluation / PEL to NEPA Crosswalk; Public Involvement and Stakeholder Engagement; Community/Socioeconomic Impact Analysis; NEPA Documentation**	



Ms. Jemison has 48 years of experience in Urban and Transportation Planning including Environmental Impact Statements and Environmental Assessments; site and master planning; land use planning and zoning recommendations; economic development studies; community outreach programs; research operations studies and grant applications for capital improvements. She also has extensive experience working on NEPA transportation planning projects. Ms. Jemison provided Transportation Planning, Feasibility and Environmental Services for each project listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
03/14 – 12/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment; Tangipahoa Parish, LA.** ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
03/12 – 09/15	**Environmental Assessment for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA.** Engineering, Environmental, and Planning services for a ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the ***LADOTD Complete Streets Policy***, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139. Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA.** Feasibility Study and Environmental Inventory (including line and grade) for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a ***Stage 1 Environmental Assessment***.
09/24 – 12/25	**St. Tammany Parish Comprehensive Pedestrian and Bicycle Master Plan; St. Tammany Parish, LA.** The St. Tammany Parish Comprehensive Pedestrian and Bicycle Plan addresses the existing deficiencies and assesses further expansion of walking and bicycling infrastructure to make the Parish a safer place for these activities.
04/06 – 12/12	**Environmental Assessment for Ambassador Caffery Parkway (Willow Road to Carenco); Lafayette Parish, LA.** A Line and Grade Study and Environmental Evaluation, and an ***Environmental Assessment*** for an extension of Ambassador Caffery

	Parkway, a major North-South thoroughfare in Lafayette Parish. The total length of the project is approximately eight (8) miles, including tie-ins to two (2) existing interchanges at I-10 and I-49, with improvements to the Interchange at I-10.
02/03 – 05/07	**Environmental Assessment and Related Studies for the Florida Avenue Bridge and Expressway; St. Bernard and Orleans Parishes, LA.** Stage 1 Environmental Assessment and Concept Engineering Design including fixed span and moveable span ***bridge alternatives and various corridor plans (including an elevated roadway over wetlands in St. Bernard Parish)*** for roadway widening and interchange alternatives. Development of various at grade and elevated interchange alternatives; Corridor Study; and Alignment Study.
09/12 – 01/15	**Stage 0 Feasibility Study, LA 339 Widening; Lafayette Parish, LA.** Feasibility of widening LA Highway 339 (Verot School Road) from Ambassador Caffery Parkway (LA 3073) to Chemin Agreable Road (LA 82/LA 734). The project also addressed the LADOTD Complete Streets Policy, and the ***conceptual design included sidewalks and shared use bike/pedestrian paths***.
12/12 – 03/14	**Stage 0 Feasibility Study, LA 378 Improvements, I-10 Ramps (Westlake) to LA 378 (Moss Bluff); Calcasieu Parish, LA.** Feasibility of making improvements and adding capacity to LA Highway 378 from the I-10 ramps in the Town of Westlake to the LA 378 Spur in the community of Moss Bluff. Proposed improvements include possible ***operational improvements*** to the five-lane section and widening the two-lane section to a four-lane divided section. This study included Complete Streets as part of the conceptual design and included a 10 ft. wide shared use path for bicyclists and pedestrians.

Firm employed by: ARCADIS

Name	**Danny Arnold, AICP**	Years of relevant experience with this employer	1
Title	Environmental Planner	Years of relevant experience with other employer(s)	10

Degree(s) / Years / Specialization			MS / 2016 / City and Regional Planning / University of North Carolina, Chapel Hill
Active registration number / state / expiration date			American Institute of Certified Planners 437403 / NY / Exp. 06/2026
Year registered	2025	Discipline	Planning
Contract role(s) / brief description of responsibilities			**Alternative Evaluation/ PEL to NEPA Crosswalk; NEPA Documentation**



Mr. Arnold is a highly proficient environmental planner with 11 years of experience with multi-modal infrastructure projects. He has conducted and/or led multiple environmental reviews, environmental screenings, alternatives analyses, and permit applications for a broad range of federal, state, and municipal agencies in accordance with the National Environmental Policy Act (NEPA) and appropriate state and local environmental guidelines. He has carried projects through from early-stage **Planning and Environment Linkages (PEL) studies**, alternatives analyses, and environmental screening studies, to environmental reviews, and to late-stage public engagement, **Finding of No Significant Impact (FONSI), and/or Record of Decision (ROD)**. As part of all these projects, he also leads GIS-based analysis and data presentation for reports and public presentations.

Experience dates	Experience and qualifications relevant to the proposed contract
03/26 – Ongoing	**Bellevue Campus Coastal Reslience, NYC Health + Hospitals and NYC Department of Design and Construction, New York City, NY** *Environmental Planner* for a ***Supplemental Environmental Assessment*** and permit applications for FEMA, including permitting with USACE. The project involves construction of a floodwall around the Bellevue Hospital Manhattan Campus and corresponding stormwater drainage improvements across two blocks in eastern Manhattan. The Arcadis scope of services includes design development, environmental reviews, and permitting to update a project design previously proposed in 2015.
06/24 – 03/26	**Sawtooth Bridges Replacement Project, Amtrak and NJ TRANSIT, Kearny and Harrison, NJ** *Environmental and Permitting Lead* for the ***Environmental Assessment*** re-evaluations and permitting, including developing NEPA environmental assessment re-evaluations, an alternatives analysis, federal and state permitting applications, and coordinating the efforts of a multi-disciplinary environmental and permitting team for the reconstruction of the Sawtooth Bridges on Amtrak's Northeast Corridor in New Jersey. This project is the first phase for the replacement and expansion of Amtrak's bridge Nos 7.80 over NJ TRANSIT and 7.96 over PATH and Conrail. The bridge structures will improve rail operations along the Northeast Corridor in a heavily traveled rail section in New Jersey.
06/24 – 03/26	**Susquehanna River Rail Bridge, Amtrak, Perryville and Havre de Grace, MD** *Environmental Planner* for the NEPA ***Environmental Assessment*** re-evaluations and permitting, including developing the re-evaluation for parcel acquisitions for construction and permanent access of a rail bridge and rail improvements in Perryville and Havre de Grace, Maryland. Re-evaluations include land use, natural resources, parks and recreational resources, historic and cultural resources, and noise and vibration assessments. The project aims to replace the existing two-track truss structure with twin two-track bridges to increase capacity and improve speed and alignment along the Northeast Corridor.

06/24 – 12/24	**Secaucus to Meadowlands Transitway, NJ TRANSIT, Kearny, Lyndhurst, and East Rutherford, NJ** *Environmental Planner* for the NEPA Categorical Exclusion, including ***developing traffic analyses for the transportation section*** that consider major events and typical weekday traffic. The transitway is intended to support transportation needs for the 2026 FIFA World Cup and proposes a dedicated, fully-separated guideway along the abandoned NJ TRANSIT Boonton Line, sharing use of this right-of-way with the future Essex-Hudson Greenway (design/construction by others) and reconstruction of DB Draw, an old swing-span movable bridge crossing the Hackensack River that is permanently left in the open position.
05/22 – 01/23	**The Inter-borough Express (IBX) PEL Study, MTA, Brooklyn and Queens, NY** *Environmental Planner* for the ***PEL Study*** assessing environmental conditions and alternatives for the IBX. Led the assessment of demographics, parks and recreational resources, and visual resources along the IBX corridor and conducted comparisons of environmental constraints across alternatives. The project seeks to create a new transit line connecting the eastern portions of Brooklyn and Queens and assessed multi-modal alternatives, including subway, light rail, and BRT.
06/21 – 03/24	**New Jersey Turnpike 1 to 4 Widening Program, New Jersey Turnpike Authority, NJ** *Environmental Planner* for the Alternatives Analysis and Environmental Screening documentation identifying reasonable alternatives, environmental constraints, preliminary impact assessments for all alternatives, and environmental assessments for the project ***Environmental Impact Statement (EIS)***. Conducted analyses for land use, socioeconomics, community facilities, parks and open spaces, and traffic. The project sought to widen the NJ Turnpike in southern NJ, replace interchanges, and replace bridges across the turnpike.
11/22 – 05/24	**Bus Garage Modernization Program, NJ TRANSIT, Statewide, NJ** *Environmental Lead* for the environmental constraints/risks analysis to identify potential environmental impacts that will be assessed formally in individual garage Categorical Exclusions (CEs) or Environmental Assessments. Led the CE and permitting for one of the bus garage expansions in Ironbound, NJ. Managed a multi-disciplinary environmental team and conducted assessments across 19 environmental resources. Assessing project site conditions for bus garages across New Jersey modernize bus garages and bus fleet to all-electric vehicles.
09/19 – 05/21	**X731.27 Bruckner-Hutch Mobility Improvement Project, New York State Department of Transportation, Bronx, NY** *Environmental Lead* who developed the ***Environmental Assessment (EA)*** under NEPA and SEQRA guidelines. Coordinated the public outreach for the project, including working with the Community Boards, holding a virtual public information meeting on the project, and managing the comments and responses received on the Draft EA. Led the environmental planning team to draft and finalize the EA, including ***Section 4(f) and Section 6(f) assessments***. Developed the land use, socioeconomic, parks and open spaces, and visual resources assessments. GIS Lead designing all maps for the Draft and Final EA. Managed the final report production, including developing the report template, integrating all sections into the report, and preparing the report for publication. The project replaced two interchanges along I-95 and the Hutchinson River Parkway in the Bronx within Pelham Bay Park.

Firm employed by: CDM Smith			
Name	**Jennifer (Jenny) Humphreys, AICP**	Years of relevant experience with this employer	27
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		AICP #019741 / USA / Exp. 12/2027	
Year registered	2005	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Alternative Evaluation/PEL to NEPA Crosswalk**	



With a background in travel demand modeling and NEPA documentation, Ms Humphreys 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.

Experience dates	Experience Description:
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 PEL 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-Ongoing	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Project Director.* Jenny serves 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	**Joshua (Josh) Johnson, PE**	Years of relevant experience with this employer	1.5
Title	Traffic Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		MS / 2006 / Civil Engineering / University of Washington BS / 2005 / Civil Engineering / Colorado State University	
Active registration number / state / expiration date		46965 / Washington / 10/15/2026	
Year registered	2010	Discipline	Professional Engineer
Contract role(s) / brief description of responsibilities		**Alternative Evaluation/PEL to NEPA Crosswalk**	

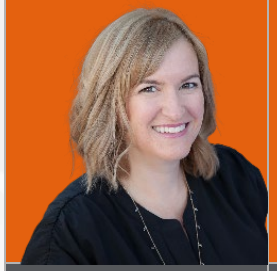


Mr. Johnson is a national traffic operations expert with more than 20 years of experience in transportation planning, traffic operations, highway safety, and transit planning. He specializes in VISSIM traffic microsimulation and is proficient in Synchro and SimTraffic, SIDRA, VISUM, ArcGIS, HCS, and EMME. As a project technical lead at CDM Smith, Josh manages traffic analysis for a wide range of transportation projects and is responsible for technical assessments throughout all project phases. Highly regarded in the traffic engineering community, he frequently conducts peer reviews and supports quality assurance (QA) and quality control (QC) efforts nationwide.

Experience dates	Experience Description:
04/25 – Ongoing	**I-526 Lowcountry Corridor East (LLC East) Improvements, South Carolina Department of Transportation (SCDOT), Mt. Pleasant, SC.** *Traffic Lead.* Josh is directing a large team of transportation planners, traffic engineers, and traffic and revenue engineers to assess the operational performance of one of South Carolina's most congested freeways. His team is responsible for ***existing and future conditions analysis, traffic volume development, travel demand forecasting, traffic operational analysis*** using Synchro and SimTraffic and HCS based tools, freeway network microsimulation, and crash analysis to identify operational and safety deficiencies. They are also using advanced modeling software and big data collection techniques, including Streetlight Data for origin destination analysis and INRIX for corridor speeds and travel times. As a subconsultant, CDM Smith is also providing environmental assessments and public involvement. The project is being implemented through a phased approach, with initial tasks focused on ***Planning and Environmental Linkages (PEL) studies***.
08/25 – Ongoing	**I-26 Corridor Management Interchange Improvements, SCDOT, Charleston, Dorchester, and Berkeley Counties, SC.** *Senior Traffic Engineer.* Josh oversees a team of traffic engineers delivering freeway and intersection operational models using HCS and Synchro. He verifies quality control and ensures timely completion of traffic tasks. The project addresses congestion, safety issues, and mobility challenges along the I 26 corridor, a key route for freight, commuters, and access to major industrial hubs. The team is evaluating existing interchanges and parallel routes to identify improvements that ***enhance operational efficiency and multimodal connectivity***.
01/25 – Ongoing	**SCDOT Regional Mobility On-Call Phase 1, SCDOT, Statewide, SC.** *Senior Traffic Engineer.* Josh is providing QC services for a project initiated to improve transportation planning and mobility across South Carolina. The effort responds to the need for a more data driven and transparent approach to statewide transportation planning and aims to enhance coordination among the ***11 Metropolitan Planning Organizations (MPOs) and 10 Council of Governments (COGs)*** in the state. Its primary goal is to implement a Regional Mobility Program that includes a ***comprehensive corridor evaluation process*** designed to

	improve accountability and transparency. CDM Smith is addressing these planning challenges by developing and implementing a detailed corridor evaluation process.
07/24 – Ongoing	**Snake Road Intersection Improvements, County of Berkeley, Goose Creek, SC.** *Traffic Task Lead.* Josh led a comprehensive ***traffic analysis to address congestion and improve safety*** at this intersection in Goose Creek. He oversaw the development of operational tools, including Synchro and SimTraffic, to assess intersection needs across three horizon years: 2027, 2037, and 2047. The study identified the need for additional intersection capacity, signal upgrades, and new turn lanes, including a northbound left turn lane and an eastbound right turn lane, as well as pedestrian and access improvements within the right-of-way.
09/24 – Ongoing	**I-40/I-75 West Knoxville PEL Study, Tennessee Department of Transportation, Knoxville, TN.** *Lead Traffic Engineer.* CDM Smith, as a subconsultant, is evaluating a potential new 25 mile I-75 bypass around the northwest quadrant of the city, beginning near the I-40 and I-75 split in Loudon County and extending north to the Raccoon Valley Road interchange on I-75. The alignment study includes up to four potential new interchanges and system interchanges at each end. The goal is to identify a route that ***minimizes impacts on natural and cultural resources while providing a viable alternative to relieve congestion*** along the existing I-40/I-75 corridor. Josh and the traffic team are performing origin destination analysis with probe data, VISSIM analysis, and travel demand model scenario runs.
07/24 – 09/25	**Bluffton Parkway Corridor Study, Lowcountry Council of Governments (LCOG), Bluffton, SC.** *Traffic Task Lead.* This facility runs parallel to US 278 and serves as an alternative route between SC 170 and Hilton Head Island. Josh and his team documented existing and no build conditions, developed a corridor Synchro model, oversaw a safety assessment, and projected future volumes for several scenarios. He led the evaluation of near-, mid-, and long-term ***alternatives to address operational, safety, access management, and mobility needs***, including new and modified signals and concepts such as roundabouts, displaced left turn intersections, and restricted crossing U turn intersections. Josh will continue supporting the technical committee and participating in public outreach to help guide the project.
12/23 – Ongoing	**I-95 Widening (Segment 2) from MM 8 to MM 21, SCDOT, Jasper County, SC.** *Senior Traffic Engineer.* SCDOT is looking to enhance capacity and safety to address increasing congestion on I-95 from near the US 278 (Exit 8) interchange to near S-77, Captain Bill Road, in southeast South Carolina. Josh provides senior traffic oversight, QA and QC, and technical feedback for a team of four traffic engineers. To date, he has supported the development of ***traffic volume projections, presented technical traffic information to SCDOT staff and stakeholders***, and contributed his expertise to QA/QC of the VISSIM microsimulation models. Josh also provides QA/QC for traffic-related models and memoranda. He has been instrumental in developing Interchange Modification Reports with SCDOT and the FHWA.
12/23 – Ongoing	**I-95 Improvements (Segment 3) from MM 22-33, SCDOT, Hampton and Jasper Counties, SC.** *Senior Traffic Engineer.* SCDOT is looking to enhance capacity and safety to address increasing congestion on I-95 from near Exit 21 to near Exit 33, (US 17), in southeast South Carolina. Josh provides senior traffic oversight, QA/QC, and technical feedback for a team of four traffic engineers. He has supported the development of traffic volume projections, presented technical traffic information to SCDOT staff and stakeholders, and contributed his expertise to QA/QC of the traffic analysis, including a ***traffic analysis report and signal warrant analyses***. He was also instrumental in developing Interchange Modification Reports with SCDOT and the FHWA.

Firm employed by: CDM Smith			
Name	**Karen Hadley, AICP, PMP**	Years of relevant experience with this employer	21
Title	Associate, Senior Planner	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BA / 1998 / Environmental Studies and Geography, University of California, Santa Barbara	
Active registration number / state / expiration date		AICP #027422 / USA / Exp. 12/2027; Project Management Professional (PMP) Exp. 12/31/2027	
Year registered	2015	Discipline	Planning; Project Management
Contract role(s) / brief description of responsibilities		**Alternative Evaluation/PEL to NEPA Crosswalk**	



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.

Experience dates	Experience Description:
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 ***PEL 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-Ongoing	**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 Environmental Assessments (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: TBS T. BAKER SMITH

Name	**Perry Smith, Jr.**	Years of relevant experience with this employer	5
Title	Senior SUE Project Manager	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		Associate of Science / 2007 / Electronics	
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 (SUE)**	



Mr. Smith, Jr. is a SUE Project Manager with 23 years of experience in the utility field and has served in various roles. His field experience for LADOTD projects began in 2017 where he has been involved in dozens of SUE projects of various sizes across the state of Louisiana. He has participated in all stages of a utility project from field data collection to final deliverable preparation. Perry has a thorough knowledge of ASCE 38-22, and the technology required to achieve the necessary quality levels. He is a certified ATSSA Traffic Control Supervisor (TCS).

Experience dates	Experience and qualifications relevant to the proposed contract
6/21 – 10/23	**IDIQ SUE Services, (LADOTD) Statewide, LA.** *SUE Field Manager*. Perry managed and coordinated the TBS SUE field crew. He also provided field QC of designation data and crew coordination in the field and reviewed subsurface utilities that were collected in the survey file.
5/24 – Ongoing	**IDIQ SUE Services, Statewide, LA.** *SUE Project Manager.* On numerous projects throughout the state, ranging from small to extremely large, Perry provides project oversight, coordination, and progress tracking in collaboration with DOTD, surveyors, CAD designers, and field crews. His responsibilities include organizing and attending utility coordination meetings, preparing status updates and phased deliverables, reviewing permits and contracts, monitoring timesheets, invoices, and project financials, conducting ***QA/QC methodology reviews***, and leading weekly SUE coordination meetings.
06/21 – 10/23	**Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA.** *Task Manager*. Managed all Quality Level A SUE services and provided QA/QC for Quality Level B SUE services to ensure compliance with ASCE 38-02. Performed ***records research for all utility companies*** and verified all available records were obtained.
10/21 – 03/22	**Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA.** *Field Manager.* Managed the field staff providing ***Subsurface Utility Engineering Quality Level B and Quality Level C*** services and per-formed QA/QC on the field data. Ensured all work was completed within the truncated time frame.
11/21 – 02/22	**LA 1270: LA 77 to End of Control Section; LADOTD; Iberville Parish, LA.** *Field Manager.* Managed the field staff providing Subsurface Utility Engineering Quality Level B and Quality Level C services and ***performed QA/QC on the field data***. Ensured all work was completed within the truncated time frame. LADOTD Location and Survey field staff performed the topographic survey and we ensured a smooth working environment for data collection.

Firm employed by: TBS T. BAKER SMITH

Name	**Kaleb Brooks**	Years of relevant experience with this employer	5
Title	Senior Field Manager	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Subsurface Utility Engineering (SUE)**	



Mr. Brooks is a SUE Field Manager experienced in Subsurface Utility Engineering and Utility Locating. He designates and locates subsurface utilities according to ASCE 38-02 Quality Levels A and B and ***acquires utility records for ASCE 38-02 Quality Level D investigation***s as well as collects necessary data for the use in a professional's judgment for ASCE 38-02 Quality Level C investigations. Kaleb performs Quality Assurance checks on all field work performed to ensure the utility locations depicted are in accordance with ASCE 38-02.

Experience dates	Experience and qualifications relevant to the proposed contract
06/21 – 10/23	**IDIQ SUE Services, (LADOTD) Statewide, Louisiana.** ***Senior*** *SUE Technician / Field Manager*. Performed field ***SUE Quality Level B designation***. Responsible for the preparation of detailed field notes for all utilities designated, field sketching of designation markings, and preparation of data sheets. In his field manager role, he coordinated field staff, ensured QA/ QC standards were met, and collaborated with the Project Manager to identify and solve potential issues as they were identified in the field.
5/24 – Ongoing	**IDIQ SUE Services, (LADOTD) Statewide, LA.** *Field Manager.* On numerous projects throughout the state, ranging from small to extremely large, Perry provides ***project oversight, coordination, and progress tracking in collaboration with DOTD***, surveyors, CAD designers, and field crews. His responsibilities include organizing and attending utility coordination meetings, preparing status updates and phased deliverables, reviewing permits and contracts, monitoring timesheets, invoices, and project financials, conducting QA/QC methodology reviews, and leading weekly SUE coordination meetings.
06/21 – 10/23	**Calcasieu River Bridge (HBI); LADOTD; Calcasieu Parish, LA.** *Field Manager.* Managed all Quality Level A SUE services and provided QA/QC for Quality Level B SUE services to ensure compliance with ASCE 38-02. Performed ***records research for all utility companies*** and verified all available records were obtained.
10/21 – 03/22	**Southern University Ravine Protection; LADOTD; East Baton Rouge Parish, LA.** *Senior SUE Technician.* Managed the field staff providing ***Subsurface Utility Engineering Quality Level B and Quality Level C*** services and per-formed QA/QC on the field data. Ensured all work was completed within the truncated time frame.
11/21 – 02/22	**LA 1270: LA 77 to End of Control Section; LADOTD; Iberville Parish, LA.** *Senior SUE Technician*. Managed the field staff providing Subsurface Utility Engineering Quality Level B and Quality Level C services and performed ***QA/QC on the field data***. Ensured all work was completed within the truncated time frame. LADOTD Location and Survey field staff performed the topographic survey and Kaleb ensured a smooth working environment for data collection.

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		**Hydrologic and Hydraulic Analysis**	



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: 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 & Safety Engineering / Complete Streets**	



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 Distriction, 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: URBAN SYSTEMS inc.			
Name	**Alison Catarella Michel , PE, PTOE, PTP, RSP$_{2i}$**	Years of relevant experience with this employer	25
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	3

Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering / Louisiana State University
Active registration number / state / expiration date			PE 30261 / LA/ Exp. 03/31/2027; PTOE 1023 / US / 11/06/2026; PTP 626 / US / 11/20/2026; RSP 2i 148 / US / 03/20/2029
Year registered	2002	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			**Traffic and Safety Engineering**



Ms. Michel has experience in Traffic Engineering and Transportation Planning. Ms. Michel has a wide array of experience with transportation studies including Feasibility/Stage 0, traffic impact, safety, corridor, Environmental/Stage 1, multi-modal and transit facilities Ms. Michel has completed the ***NEPA and Transportation Decision Making* course sponsored by the National Highway Institute and the *Highway Safety Manual* course sponsored by LADOTD**. She has extensive experience preparing Traffic Studies for environmental documents. She is proficient in microscopic simulation modeling using VISSIM and CORSIM and also in analysis programs such as Highway Capacity Software (HCS), Tru-Traffic, Synchro and SIDRA. **Alison has served as Principal-in-Charge for traffic studies associated with the Louisiana International Terminal project, including the Violet Terminal and the PONO LIT projects.**

Experience dates	Experience and qualifications relevant to the proposed contract
05/21 – 09/22	**Violet Terminal Traffic Study, Louisiana International Terminal (LIT), Port of New Orleans (PONO) St. Bernard Parish, LA.** Ms. Michel is the principal-in-charge of the Traffic Impact Analysis that was prepared for the proposed Louisiana International Terminal (LIT) Port of New Orleans Terminal in Violet, Louisiana. Ms. Stewart was the primary person responsible for the QA/QC of data collection, ***traffic projections and analysis from the existing conditions to the 2050 full build out***. Ms. Stewart also maintained close coordination with PONO staff with regular progress meetings and schedule updates.
03/23 – Ongoing	**Data Collection, Louisiana International Terminal (LIT), PONO, St. Bernard Parish, LA.** Ms. Michel is the principal-in charge of the comprehensive traffic analysis to support PONO's logistical operations by ***assessing truck and rail impacts on key roadways and intersections***. This study focused on evaluating truck distribution, rail crossing delays, and identifying mitigation measures to facilitate efficient and safe operations at critical intersections, especially at Paris Rd and Judge Perez Dr. The project involved a high-level review of truck traffic data, validating client-provided data, and conducting trip distribution analysis for AM and PM peaks across various planning horizons (2028 and 2050). A qualitative assessment ***identified key areas of concern***, with follow-up meetings to discuss findings and refine study focus.
11/09 – 05/15	**Port of South Louisiana Connector Environmental Impact Statement (EIS), St. John the Baptist Parish, Louisiana.** Ms. Michel was *principal-in-charge* for the traffic study to assess the feasibility of a connection between US 61 (Airline Highway) and Interstate 10 in St. John the Baptist Parish, LA. The purpose of the study was to ***assess and identify connection***

	alternatives that would address existing and future roadway traffic, safety conditions, and access management as a connector between US 61 and Interstate 10. Currently an Interchange Justification Report is being prepared.
03/16 – 01/19	**I-10/Loyola Interchange Improvement Stage 0 and Stage 1, LADOTD, Jefferson Parish, LA.** The first phase included detailed data collection efforts to identify the various origins and destinations of airport trips and the routes utilized. Managed the microsimulation analysis efforts and the tiered process to identify alternative interchange improvements to meet Federal Highway Administration (FHWA) requirements for an Interchange Modification Report. Coordinated with the numerous agencies that were identified as stakeholders. The second phase was preparing an ***Environmental Assessment (EA)*** where she assisted the project manager with coordinating a team of eight different consulting firms. The result was the granting of a ***Finding of No Significant Impact (FONSI) by the FHWA in only fifteen months*** after beginning the EA process.
10/15 – 11/16	**Veterans Boulevard Corridor Stage 0 Feasibility Study, LADOTD, Jefferson Parish, LA.** Ms. Michel was the Principal in Charge of this Corridor Retiming Study along Veterans Boulevard from Lake Avenue to Massachusetts Avenue. The project team evaluated turning movement counts, crash data and existing signal timing plans for 31 signalized intersections. This information, in conjunction with input from local stakeholders, was utilized to ***prioritize operational and safety issues within the corridor***. Ms. Michel organized the travel time studies and documented queues observed to accurately model typical traffic patterns. Timing plans were developed to overcome operational issues, reduce congestion and improve safety. The clearance intervals were evaluated and modified to conform to ITE standards. The fine-tuned timings led to a significant positive impact on travel times and level of service.
06/12 – 03/14	**LA 378 Widening and Realignment - Statewide Stage 0 Studies, LADOTD, Calcasieu Parish, LA.** Stage 0 Feasibility Study for LA 378 Improvements from the City of Westlake to Moss Bluff. Ms. Michel was the Principal in Charge of the team that prepared the Traffic Study to ***develop and compare alternatives to improve the corridor for both operations and safety***. She participated in field visits and conducted travel time runs. Traffic Assignments and Forecasting for alternatives included the use of Transcad model output. Improvements considered included access management techniques such as adding a median and driveway consolidation in line with LADOTD policies.
01/11 – 01/12	**Neighborhood Planning Stage 0 Feasibility Study (I-610 to Fillmore Ave), Orleans Parish, LA.** Ms. Michel was the project manager for a traffic study and analysis for the Neighborhood Planning Stage 0 Feasibility Study for transportation improvements along St. Bernard Avenue between I-610 and Filmore Avenue in the Bayou District neighborhood in New Orleans, LA. The study included data collection, conceptual development plans and a comparative analysis of standard intersections, and roundabouts design using VISSIM modeling. The study was ***conducted with community involvement*** that included a planning charette and PAC in an effort to support livable community goals.
03/09 – 06/12	**LA 39/Judge Perez Drive Corridor, Metropolitan Transportation Plan Refinement, St. Bernard Parish, LA.** Ms. Michel was the project manager for the ***Stage 0 Feasibility Study on LA 39/Judge Perez Drive at LA 47/Paris Road*** in Chalmette, LA. The feasibility of implementing proposed improvements including a westbound right turn lane and an additional southbound left turn lane at the intersection of LA 39 (Judge Perez Drive) and LA 47 (Paris Road) was evaluated. Ms. Michel presented the conclusions and recommendations to the St. Bernard Parish Council and the New Orleans Regional Planning Commission.

Firm employed by: URBAN SYSTEMS inc.			
Name	**Nicole H. Stewart, PE, PTOE**	Years of relevant experience with this employer	20
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering, Southern University and Agricultural and Mechanical College at Baton Rouge	
Active registration number / state / expiration date		PE. 34750 / LA / Exp. 09/30/2027; PTOE 2923 / US / 08/14/2027	
Year registered	2009	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Traffic and Safety Engineering**	



Ms. Stewart has extensive experience in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has conducted transportation studies, safety studies and traffic impact studies. Her design experience includes signal design and timing of coordinated systems, striping, signage, geometric design, pavement design, and drainage. She has experience using Highway Capacity Software (HCS), Synchro, and TruTraffic in the timing and coordinating of traffic signals. Ms. Stewart has designed numerous Traffic Control Devices Plans to meet LADOTD and MUTCD standards.

Experience dates	Experience and qualifications relevant to the proposed contract
05/21 – 09/22	**Violet Terminal Traffic Study, Louisiana International Terminal (LIT) Port of New Orleans, St. Bernard Parish, LA.** Ms. Stewart is the Senior Traffic Lead of the ***Traffic Impact Analysis*** that was prepared for the proposed Louisiana International Terminal (LIT) Port of New Orleans (PONO) Terminal in Violet, LA. Ms. Stewart was the primary person responsible for the QA/QC of data collection, traffic projections and analysis from the existing conditions to the 2050 full build out. Ms. Stewart also maintained close coordination with PONO staff with regular progress meetings and schedule updates.
01/09 – 07/10	**Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans Increase Capacity and Raise to Prevent Flooding, LADOTD, Orleans Parish, LA.** Ms. Stewart performed a ***traffic operations analysis*** for a Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans in Orleans Parish. Ms. Stewart took the lead on this project to determine if capacity improvements were feasible for this congested section of I-10. This study included data collection and analysis of ten major I-10 interchanges. Through analysis and extensive field observations, Ms. Stewart was able to identify specific problems that contributed to the cause of traffic on the I-10 High Rise over the industrial canal including the steep slope of the bridge narrow lanes and the lack of shoulders.
04/08 – 11/10	**LA 431 Corridor Stage 0 Traffic Study, Ascension Parish, Louisiana.** Ms. Stewart led the efforts as the engineer responsible for the ***safety analysis***. The primary focus of the study was to identify the causes of the high number of roadway departures on LA 431 between LA 42 at US 61. Improvements were identified and analyzed for the eight major intersections within the study area. After conducting a review of detailed accident reports, conducting speed studies and intersection analysis, recommendations included converting the LA 431 at LA 42 intersection to a roundabout and installing lighting to reduce nighttime collisions. The roundabout was successfully constructed.
04/10 – 08/11	**LA 447 and I-12 Interchange Stage 0 Feasibility Traffic Study, LADOTD, Livingston Parish, Louisiana.** This traffic study was conducted by to evaluate and identify improvements at seven (7) intersections along LA 447 in the vicinity of the I-12 interchange in Livingston Parish. Roundabouts were considered for three (3) of the intersections. Ms. Stewart managed the ***data collection efforts and traffic assignments forecasting*** based on Transcad model output classification, speed, and crash

	data. Ms. Stewart was responsible for the QA/QC of the traffic analyses using Highway Capacity Software and SIDRA.
10/13 – 06/14	**US 11 Access Management and Complete Street Improvements Stage 0 Feasibility Study, St. Tammany Parish, LA.** The ***safety analysis*** of the US 11 corridor in Slidell, LA was conducted by Ms. Stewart. This included applying the Highway Safety Manual's Crash Modification Factor's (CMFs) to the proposed alternatives to estimate the change in crash rate that could be expected with each. Ms. Stewart also calculated the number of conflict points for each type of intersection included in the No Build and Build alternatives including all driveways and cross streets. The conflict points were presented in graphical form and the number of conflict points for the entire corridor were compared to estimate the potential safety benefits of each alternative.
03/17 – 03/18	**Milan St Terminal, Port of New Orleans, Orleans Parish, LA.** Ms. Stewart was the Principal in charge of the plan preparation of the Construction Sequencing and Permanent Striping Layouts and Signage plans. Ms. Stewart was responsible for the QA/QC and to confirm that it was in accordance with Port of New Orleans and MUTCD guidelines.
09/10 – 07/12	**I-12 Corridor Stage 0 Feasibility Study and Environmental Inventory, LADOTD, St. Tammany and Livingston Parishes, LA.** As lead engineer of the traffic study, Ms. Stewart evaluated the feasibility of improving safety and capacity on 70 miles of interstate from Livingston Parish to St. Tammany Parish. Ms. Stewart participated in the ***capacity analysis, travel time runs and TransCad modeling*** efforts for the project.
02/20 – 01/23	**US 190 at Northshore and Camp Villere Roundabouts, LADOTD, St. Tammany Parish, LA.** As the Principal In Charge, Ms. Stewart was responsible for the Quality Assurance/Quality Control check of the temporary ***signal design plans*** that were required for the complex phasing of roundabout construction. Ms. Stewart also reviewed the preliminary Traffic Control Devices Plans prepared by the prime consultant and provided detailed comments to ensure that the plans conformed to the most recent edition of the MUTCD and the latest LADOTD Traffic Control Details.

Firm employed by: URBAN SYSTEMS inc.			
Name	**Matthew H. Morgan, PE, PTOE**	Years of relevant experience with this employer	13
Title	Transportation Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		PE. 47060 / LA / Exp. 03/31/2027; PTOE. 5893 / US / 03/19/2028	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Traffic and Safety Engineering**	



Mr. Morgan has experience that ranges from starting as a Data Collection Manager while in college to becoming an Engineer Intern and now a Professional Traffic Operations Engineer for Traffic Engineering/ Transportation Planning projects. He has collected and delivered volume, class, and speed data using road tube equipment, camera systems and a pocket radar. Mr. Morgan has assisted with many transportation planning projects including Stage 0 Traffic Studies ,Traffic Impact Studies, Traffic Control Device Plans, Interchange Modification/Justification Reports, **Stage 1 Traffic Studies**, Transportation Management Plans, and a variety of others. He is proficient in the following software: PetraPro, TraxPro, MetroCount , AutoCAD, SIDRA, Synchro, HCS, VISSIM, and CORSIM. His VISSIM modeling experience included creating and calibrating models and preparing documentation per the LADODTD microsimulation policy.

Experience dates	Experience and qualifications relevant to the proposed contract
05/21 – 09/22	**Violet Terminal Traffic Study, Port of New Orleans, St. Bernard Parish, LA.** *Traffic Engineer.* The objective of the Violet Terminal Traffic Study was to ***assess how long the existing traffic network of LA state highways could sustain the additional traffic generated by a new Port terminal*** located in Violet, LA. Mr. Morgan led the data collection effort for numerous intersections and roadways using video cameras. Mr. Morgan identified peak hours for the associated traffic network. He also helped in estimating vehicular traffic volumes for years 2028 through 2050. He analyzed signalized intersections with and without improvements, where needed, to mitigate the impacts. Mr. Morgan assisted with report preparation that summarized the objective, methodologies, and findings of the project.
10/15 – 11/16	**Veterans Boulevard Stage 0 Traffic Signal Timing and Coordination Study, LADOTD, Jefferson Parish, LA.** *Traffic Engineer.* The study objective was to reduce delays, lower emissions, improve fuel consumption, and improve safety, while maximizing the progressive movement of traffic through the Veterans Boulevard corridor. Mr. Morgan ***led the data collection effort which included collecting traffic roadway volumes, turning movement volumes, and vehicle classifications*** on the study corridor. Seven (7) day, twenty-four (24) hour counts were utilized to identify the proposed signal timing plans by Mr. Morgan. He assisted with the quality assurance/quality control (QA/QC) per USI's QA/QC policy for the traffic counts collected for use in existing and proposed traffic analysis. Mr. Morgan performed site visits at each intersection and performed morning, mid-day and evening travel time runs before and after implementing the signal timing improvements. He also assisted in preparing the reports that documented the improvements for each of the identified performance measures that resulted from the implementation of USIs recommendations.
02/17 – 07/19	**I-10 E. Washington St. and Dalrymple Dr. Interchange Modification Report (IMR), LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer.* For this Stage 0 feasibility study, the data collection team was led by Mr. Morgan. The data collection was

	composed of collecting turning movement counts at the intersections and roadway volumes on the interstate. He ***analyzed existing and future conditions including intersections, freeway segments, ramps, and weaving segments***. Mr. Morgan assisted in the generation of the report and appendix and helped meet submission deadlines.
12/18 – 10/22	**LA 46- St. Claude Bridge Bicycle Accommodation, Orleans Parish, LA.** *Traffic Engineer.* Mr. Morgan developed short-term and long-term alternatives for safely accommodating bicyclists across the raised portion of LA 46 at the St. Claude Bridge and over the Inner Harbor Navigational Canal lift span. He conducted field observations which included sight distance evaluations, identifying existing equipment to be modified/removed, collecting classification data for pedestrians, vehicles, and bicycles, and collecting vehicular speeds. ***Mr. Morgan assisted with the cost estimate and the preparation of a technical memorandum to present these alternatives to the Port of New Orleans.***
03/19 – 04/22	**LA 3127 Extension Stage 0, Ascension Parish Government, Ascension Parish, LA.** *Traffic Engineer.* Mr. Morgan led data collection efforts on the study area roadways. He organized obtaining flow and turning movement counts and report guidelines using video cameras and pneumatic tubes. He also assisted in the collection of speed data using hand-held radar devices. Mr. Morgan conducted ***warrant analysis for turn lanes and traffic signals***. He performed travel time runs and assisted with report preparation.
09/20 – 07/21	**Port Allen Canal Bridge TMP, LADOTD, West Baton Rouge Parish, LA.** *Traffic Engineer.* Mr. Morgan assisted with the preparation of the Port Allen Traffic Management Plan by leading the ***traffic data collection and analysis*** efforts. His responsibilities included collecting and reviewing traffic count data, turning movement volumes, and queue observations at key intersections throughout the project area. Mr. Morgan performed detailed queue length analyses to evaluate intersection performance and identify potential congestion and delay points under both existing and proposed conditions. He also contributed to the safety assessment by reviewing field observations, identifying areas with elevated risk of conflict, and developing ***recommendations to enhance safety during construction*** activities. In addition, he assisted in compiling data summaries and supporting materials for inclusion in the final Traffic Management Plan report.
01/18 – 10/19	**LA 3234 Extension (LA 1065 to Hammond Airport), LADOTD, Tangipahoa Parish, LA.** *Traffic Engineer.* Mr. Morgan led data collection efforts throughout the study area including ***traffic volume collection, speed studies, and vehicle classification***. He performed site investigations and assisted traffic engineers with development of drawings and tables for study.

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			**Line and Grade Study; Line and Grade Engineering Report**



Mr. Raymond's experience encompasses geometric design of levees, highways, streets, roundabouts, and aprons, as well as preparing environmental permit drawings. He was worked on a wide range of roadway and civil design projects including geometric design, line and grade, and typical sections to support LADOTD projects. Responsibilities have included preparing engineering designs, plans, and specifications; preparing cost estimates; coordinating with permitting agencies; and 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*. ***Environmental Assessment*** for replacement of the US-11 Bridge, which includes widening of US-11 from two lanes to four lanes from US-190 north to 1-12. Responsibilities include providing ***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*. Responsible for collection of roadway information and ***roadway design*** to preserve and enhance safety/mobility of the corridor. The project includes 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*. ***Geometric and roadway design, and cost estimates*** for the replacement of ten 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*. Responsible for ***roadway design*** for the improvement of existing roadway infrastructure at the intersection of LA-44 and Loosemoore Road. The project includes design for incorporating modern roundabouts to the interchanges to enhance mobility and safety, ***collection of data from all existing utilities and cost estimate***.
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* developing 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.* Responsible for completing ***preliminary roadway design plans*** based on comments from the client. This involved the development of MicroStation files such 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.040977 / LA / Exp. 03/31/2027	
Year registered	2016	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Line and Grade Study; Line and Grade Engineering Report**	



Mr. Keller is a civil design engineer who has spent his entire tenured career at Arcadis. He has been involved with 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 (EIS), LADOTD, Ouachita Parish, LA.** *Roadway Designer:* Responsible for ***roadway design*** support on a project that provides 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:* Responsible for ***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 is 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*: Responsible for ***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 benefit to adjacent real estate and community needs.
02/19 – 06/23	**NDRC Ohio Creek Watershed Project, City of Norfolk, VA.** *Lead Civil Engineer:* Project consists of 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 include 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:* Roadway intersection and roundabout improvement alternatives for a ***LADOTD Stage 0 study***. Two roundabouts were evaluated in compliance with LADOTD 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), USACE - New Orleans District, Jefferson & St. Charles Parishes, LA.** ***Project Designer:*** Preparation of Plans and Specifications for new floodwall and highway bridge in St. Charles Parish. Design of floodwalls, 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: 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		**Line and Grade Study; Line and Grade Engineering Report**	



Mr. Arias has more than nine years' experience performing complex geometric design for roadway projects including horizontal and vertical alignment, hydraulic design cross drain pipes (CDP's) and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production. As a roadway design engineer, Gabriel has direct experience utilizing DOTD'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).** *Project Engineer*. The project calls for the replacement of 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.
03/17 - Ongoing	**I-49 Supplemental Environmental Impact Statement, LADOTD, St. Tammany Parish, LA.** *Project Engineer*. Performed roadway concept design layout and plan/exhibit production. The project conducted a Supplemental Environmental Impact Statement (SEIS) study to quantify the impacts of converting US-90, which has numerous existing access connections, to a control of access interstate (future I-49) facility. Arcadis developed multiple design alternatives in conjunction with LADOTD that would result in the conversion of US-90 to I-49.
11/20 - Ongoing	**Lee Drive (Highland Road to Perkins Road), MOVEBR, Baton Rouge, LA.** *Project Engineer*. The project calls for the reconfiguration of Lee Drive to a "complete street" layout including pedestrian accomodations, bike lanes, and shared use paths. Peformed roaday 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*. The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with ***roadway geometric design including horizontal and vertical alignment, hydraulic design*** for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.

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

Firm employed by. ARCADIS			
Name	**Blake Pitre, EI**	Years of relevant experience with this employer	8
Title	Civil Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date		EI.0033376 / LA / Exp. 03/31/2028	
Year registered	2017	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Line and Grade Study; Line and Grade Engineering Report**	



Mr. Pitre is a seasoned construction administrator with eight (8) years of hands-on experience delivering complex roadway, drainage and utility projects across New Orleans and Jefferson Parish. He brings a proven track record on multiple Sewerage & Water Board of New Orleans (SWBNO) projects and city roadway programs including RR068 (Tulane/Gravier/Garden District), RR139 (Plum Orchard / West Lake Forest Group B) and for the JIRR roadway restoration program (RR159, RR403, RR068, RR036). His works spans pavement restoration, drainage and waterline replacements, sewer rehabilitation, and sidewalk/driveway reconstruction across numerous neighborhoods in New Orleans.

Experience dates	Experience and qualifications relevant to the proposed contract
10/17 – Ongoing	**Joint Infrastructure Recovery Request (JIRR) Program, City of New Orleans, LA.** *Civil Engineer.* Roadway, site design, and resident inspection. The City of New Orleans Department of Public Works (DPW) and SWBNO are working together to implement an unprecedented program to restore New Orleans' damaged infrastructure. Blake is providing engineering services to DPW for projects within this program as well as ***design, construction administration and resident inspection*** for four projects: RR068 – Gardenia St. (St. Bernard to Paris Ave.); RR005 – Bayou St. John – Fairgrounds, 7th Ward Group C); RR159 – St. Anthony Group A; RR029 – Desire Group D.
10/17 – 10/19	**Coastal Resiliency Program - Design, City of Norfolk, Norfolk, VA.** *Structural Engineer.* Responsible for the structural design of floodwalls. Duties include sketching the ***preliminary design and performing calculations*** for the structural integrity of the floodwalls. Coordinates with city officials and superiors to verify that the design criteria and guidelines are met. Reports directly to the staff water engineer and principal structural engineer on the weekly progress of ongoing work.
08/19 – Ongoing	**Bayou St. John, Fairgrounds, 7th Ward Group C, New Orleans, LA.** *Civil Engineer.* Responsible for the restoration of streets, sidewalks, driveways, waterlines, and drainage for the Bayou St. John neighborhood in New Orleans. Developed ***calculations to support the drainage recommendations*** for the area using Excel. Utilized Civil 3D to develop a drawing package for all 10 blocks in the area. Coordinated with city officials to develop the drawing package
07/18 – 09/25	**St. Anthony Streets, City of New Orleans, New Orleans, LA.** *Civil Engineer.* Responsible for the restoration of streets, sidewalks, driveways, waterlines for the St. Anthony neighborhood in New Orleans. Used ***Civil 3D to develop a drawing package*** for all 50 blocks in the area. Coordinated with city officials to develop the drawing package.
08/22 – Ongoing	**Elmwood Parkway, Jefferson Parish Department of Capital Projects, Metairie, LA.** *Civil engineer.* Responsible for the restoration of streets, sidewalks, driveways, waterlines, and drainage for the Elmwood Parkway street in Metairie. Developed ***calculations to support the drainage recommendations*** for the area using Excel. Used Civil 3D to develop a drawing package for all 8 blocks in the area. Coordinated with city officials to develop the drawing package.

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)	5.5
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. 09/30/2026, PE.151559 / TX / Exp. 12/31/2026	
Year registered	2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Design**	



Mr. Singaraju has experience in bridge structure 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 Texas Department of Transportation (TxDOT), Louisiana Department of Transportation and Development (LADOTD), Oklahoma Department of Transportation (ODOT), and American Association of State Highway and Transportation Officials (AASHTO) specifications. His experience includes bridge superstructure and substructure 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 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Project Bridge Engineer* for a Construction Management at Risk (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 come up with 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 based on checking the framing plan for different beam types used in superstructure. Prepared markups using Bluebeam Revu software program and shared 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 Louisiana State Line (east limit). ***Created bridge reports for each TxDOT district with an index of existing bridges and calculated deck area of functionally obsolete bridges*** based on TxDOT bridge inspection manual definitions. Prepared a summary of bridges by vertical clearance and a 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 bridge summary reports.

08/22 - Ongoing	**Calton Road, Railroad Grade Separation, TxDOT, Webb County, TX.** *Staff Bridge Engineer.* Project involves grade separation work at Union Pacific Railroad crossing which includes constructing seven (7) span overpass bridge with steel plate girders. Worked on modifying steel superstructure girder detail drawings for camber diagram and fabrication notes. ***Prepared bridge layout and cross section*** and modified as per comments from TxDOT review. Created submittal package with set of applicable TxDOT standards. Calculated bridge quantities and created quantity table on a 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 metric system and preparing bridge layout for widening structure in U.S. customary units. Phased construction guidelines by TxDOT were utilized while creating typical sections for bridge widening. Responsibilities included performing design check for additional load due to curb and rail on the existing superstructure using Texas Optional Girder Analysis. ***Created bridge layout and typical section*** using MicroStation. Calculated quantities and prepared summary of required bid item codes as per available TxDOT bid history.
02/23 – 01/25	**Cross Bayou Bridge Replacement / Feasibility Study, LADOTD, Caddo Parish, LA.** *Staff Bridge Engineer* for a US 71 Northbound (NB) – Spring Street and US 71 Southbound (SB) – Market Street bridge alternatives for Cross Bayou bridge replacement – Route US 71. Responsibilities included ***preparing bridge quantity calculations*** for prestressed concrete girder bridge with simple spans alternative and three-span continuous steel girder alternatives for Market Street bridge. Prepared bridge quantity calculations for prestressed concrete girder bridge alternative, and three-span and four-span continuous steel girder alternatives for Spring Street bridge. ***Performed superstructure design*** using LG girder and reviewed LADOTD manual to optimize design. Worked on 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 new bridge design of prestressed concrete slab beam bridge with single span. Responsibilities included ***preparing 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 BGS software program and bridge layout, and extracting slab beam (5SB12) step elevations. ***Prepared 3D model using OpenBridge*** Modeling software and designed slab beam span.
03/19 – 05/21	**TxDOT PS&E IH-35 Shiloh Union Pacific Railroad (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 existing UPRR railroad. ***Modeled complex bridge geometry*** with skew, curvature, multiple girder type and roadway superelevation using 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 is crossing 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 & National Steel Bridge Alliance (NSBA) guidelines on staggered cross frames for high skew bridges. Coordinated with CAD engineer to check BGS output plot by referencing it in the bridge plan master design file created using MicroStation software program. Modeled the steel unit with 3-span continuous plate girders in 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	4
Title	Project Structural Engineer	Years of relevant experience with other employer(s)	4
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. 03/31/2027; PE.143443 / TX / Exp. 09/30/2026	
Year registered	2022; 2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Bridge Design**	



Mr. Dhungana has more than eight (8) years of experience in bridge engineering working on various Plans, Specifications & Estimates (PS&E) 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, ensuring designs are accurate, practical and feasible for construction. With a strong design background, he understands complex projects and understands 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, East Baton Rouge Parish, LA.** *Bridge Engineer.* Project involves improving 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 ***performed QA/QC on designs, plans and estimated quantities per LADOTD standard 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, Webb County, TX.** *Bridge Engineer.* Project involves ***grade separation work at a Union Pacific Railroad (UPRR) crossing*** which includes constructing 7 span overpass bridge with steel plate girders. Reviewed steel plate girder design calculation. Performed steel plate girder camber analysis and developed web cutting table. Designed and detailed abutment and bent cap per TxDOT guidelines. Calculated Bearing seat Elevations and quantities. Updated shoring diagram sheet per UPRR and Burlington Northern Santa Fe (BNSF) Railway guidelines for Railroad live load surcharge. Reviewed bridge plans per TxDOT bridge design and detailing guide.
03/23 – 05/23	**Bridge Replacement at Shelby Ave, Texas Department of Transportation, Hunt County, TX.** *Bridge Engineer.* Project involves replacement of an off-system bridge, Shelby Ave at Farber Creek branch with a 40’ prestressed slab (5SB12) beam span. Proposed bridge was designed using TxDOT standard bridge elements. Designed slab beam span, developed 3D model using Open Bridge Designer software, drafted bridge sheets, calculated slab beam step elevation using BGS software and quantities. ***Specified 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 0 Feasibility Study, Louisiana Department of Transportation and Development, Caddo Parish, LA.** *Bridge Engineer.* Project involves identifying practical alternatives to replace US 71 Northbound (spring Street) and US 71 Southbound (Market Street) bridges in District 04 over Cross Bayou. Designed three (3) span curved steel plate girder and eight (8) span prestressed concrete LG 45 girder bridge options for Spring Street bridge replacement. Designed four (4) span prestressed concrete LG54 girder and three (3) span steel plate girder options for Market Street bridge replacement. Reviewed LADOTD maximum span length charts to optimize LG girder design options. ***Performed cost estimate and drafted bridge layouts and typical section for all feasible bridge alternatives***. Prepared feasibility study report and provided recommendation.
01/23 – 06/24	**FM 740/ FM 548, Schematic & Environmental, Texas Department of Transportation, Kaufman County, TX.** *Bridge Engineer.* Project involves developing design schematics to widen existing two lanes urban section to divided four lanes urban section from IH 20 to US 80. Existing seven (7) span Mustang Creek bridge with Type C beams was widened using Tx40 girders in both directions. Analyzed existing spans of Type C for additional load due to center median and rails using Texas Optional Girder Analysis (TOGA). Designed proposed Tx40 girders using Bridgelink software and developed strand patterns. ***Drafted bridge layout, typical section and calculated quantities/cost*** per TxDOT standard. 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.* Project to design railroad bridge over SE 4th Street in the City of Moore, Oklahoma and develop the track layout per American Railway Engineering and Maintenance-of-Way Association (AREMA) and BNSF guidelines. Proposed two (2) span railroad bridge was designed 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 shaft using Lpile software. ***Reviewed 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.* Project involves replacing two (2) existing railroad bridges and developing a track layout for reconstructing the I-35/I-240 interchange in Oklahoma City as per 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, Texas Department of Transportation, Taylor County, TX.** *Bridge Engineer.* Project involves bridge replacement and reconstruction of approaches for the Abilene District. Existing bridge was replaced with three (3) spans of Tx28 girders. Proposed bridge was designed using TxDOT standard bridge elements. Analyzed TxDOT standard bent and span sheet for Tx28 girders using Leap Bridge and Bridgelink software. ***Prepared bridge plan, profile and typical sections, calculated bearing elevations, quantities and construction cost estimate***. Specified location of soil boring for the design of the bridge foundation.
09/20 – 08/22	**Southeast Connector, Texas Department of Transportation, Tarrant County, TX.** *Bridge Engineer.* Design-Build project in 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 super and substructure bridge elements for two bridges***, I-20 Overpass at Hartman and 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 retaining walls along the I-20 corridor. Attended weekly Task Force meetings and coordinated with various design disciplines. Reviewed final bridge and retaining wall package per TxDOT guidelines.

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. 09/30/2027	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Bridge Design**	

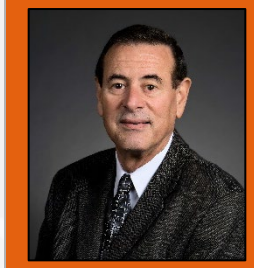


Dr. Enam has more than 25 years of experience as a Structural Engineer. His professional design experience includes structural analysis and design of steel and concrete structures (using STAAD Pro, Sap 2000, RISA 3D etc.); deep foundation design using pile and drilled shaft; Finite Element Analysis (using GTStrudl, ANSYS); concrete bridges as per Load and Resistance Factor Design (LRFD) specifications using pre-stressed box, bulb tees and American Association of State Highway and Transportation Officials (AASHTO) girders; railroad bridges; steel plate girder bridges including moveable spans; dynamic effects from ship/barge impact on bridge piers; hydraulic structures such as sector gate, vertical lift gate, and T-walls; residential & commercial buildings; stability analysis of dams for seismic loading. His responsibilities have included structural design, Finite Element (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 specification and concrete approach slab spans (LADOTD standards) founded on pile bents. Responsible for LRFD based design of substructure items and foundation of the same bridge along with quantity takeoff.
01/14 – Ongoing	**Pete's Highway / I-12 Interchange Environmental Assesment and Interchange Modification Request, LADOTD, Livingston Parish, LA.** *Bridge Engineer* for design alternatives including two (2) 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. Performed ***preliminary design of a bridge spanning over I-12***, which featured LADOTD LG girders. Worked on ***construction sequencing*** to widen Range Ave. under the I-12 overpass that introduced 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, Louisiana Department of Transportation and Development (LADOTD), St. Tammany Parish, LA.** *Lead Bridge Engineer* for replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. Project 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. A key feature of the project was preliminary design of a 380-ft long steel plate girder bridge span on an S

	curve over the Norfolk Southern right-of-way. ***Performed cost estimation 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 Design.* The Alphonse Forbes Road bridge was closed and Arcadis was selected by the City-Parish to complete a design study, topographic survey, and preliminary and final designs. The engineering responsibilities include the ***development of general plans, foundation layouts, super-elevation diagrams in addition to 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 / 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 filed surveying, right of way 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* responsible 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 (5) miles. Investigated as-built plans for the types, sizes and clearances of existing bridge girders, barrier, parapets, and deck overhangs to specify the sign-support attachments. Responsibility also included ***design of steel structures, structural quantities estimation and preparation of 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.
7/10 – 12/10	**State College Boulevard Grade Separation Rail Road Bridge, City of Fullerton, California**. *Project structural engineer*. Performed analysis of a three (3) lane railroad bridge and checked the pre-stressed concrete girder design as per AASHTO LRFD and American Railway Engineering and Maintenance-of-Way Association (AREMA) specifications including seismic loading using SAP2000.
04/08 – 11/08	**Buffalo Speedway Southbound Bridge Replacement, Sims Bayou, Harris County Flood Control District, City of Houston, Texas.** *Project engineer* for performing forensic investigation of Texa Department of Transportation (TxDOT) box girder bridge experiencing excessive deflection. Completed ***identification of bridge design deficiencies and validation of remedial action*** suggested.
3/10 – 9/10	**SH 31 Bridge Design, TxDOT, Waco, Texas.** *Project engineer* for performing ***structural design, plans preparation and quantity estimates*** as per LRFD specifications for six (6) TxDOT bridges on Highway SH 31 (over Navasota river and overpasses over FM 1330 and FM 339).Bridge lengths varied from 130 – 240 feet and featured pre-stressed U beams & Type C girders on concrete bents founded on drilled shafts.
5/08 – 9/09	**SH 195 Bridge Design, TxDOT, Williamson County, Texas.** *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.
2/08 – 3/09	**FM 1100 Bridge over Willow Creek, TxDOT, Travis County, Texas.** *Project engineer* for performing ***QA/QC design calculations, quantity estimates and final design drawings*** for a 150 foot long, two (2) lane, 44 foot roadway replacement concrete bridge featuring Type A pre-stressed concrete girders as per AASHTO LRFD specification.

Firm employed by: N-Y ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS			
Name	**William Haensel, PE, PLS**	Years of relevant experience with this employer	5
Title	Senior Civil and Structural Engineer	Years of relevant experience with other employer(s)	50
Degree(s) / Years / Specialization	MS / 1974 / Civil Engineering BS / 1968 / Civil Engineering		
Active registration number / state / expiration date	PE. 13375 / LA / Exp. 03/31/2028; PLS. 4338 / 1974 / LA / Exp. 03/31/2028		
Year registered	1972	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities	**Bridge Concept Study; Preliminary Bridge Design**		



Mr. Haensel has over 55 years of experience including civil and structural engineering design of levees, floodwalls, drainage pumping stations, box culverts, building foundations and bridges. His experience also includes working for the USACE, New Orleans District in the Channel Stabilization Branch where he was responsible for the engineering design and documentation of river revetments and shore protection for the Mississippi and Atchafalaya Rivers. Mr. Haensel provided geometric design, roadway / bridge / drainage design, rights-of-way and cost estimates for each project listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
11/21 – Ongoing	**Replacement of Rural Bridges, Districts 08, 58 and 05, LADOTD, Multiple Parishes, LA.** Completed H&H Modeling utilizing LADOTD HYDRWIN software, as well as the USACE HEC-RAS and design for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD Districts 08, 58 and 05. Prepared Solicitation of Views and NEPA Categorical Exclusion documents in compliance with FHWA criteria and guidelines. This project includes ***Preliminary and Final Bridge Plans and Bridge Load Rating Reports***.
09/24 – 12/25	**LPV-111 Bridge Assessment and Rehabilitation Design, Flood Protection Authority–East (FPA-E), Orleans Parish, LA.** The LPV-111 Access Bridge was erected for the LPV ARM-09 armoring and levee enlargement project in in 2018 using existing abutments. The contractor installed intermediate steel pile bents, to create a 4-span (35'-16'-16'-35') bridge, with a steel framing superstructure and timber matting for the decking. Since that time, the timber matting has deteriorated, and the bridge has been closed to vehicular access. The superstructure framing was installed as side by side 5'-2" wide templates as two 2-span units (35'-16'). This bridge was also used for construction traffic during the addition of fronting protection for the adjacent pump station. N-Y is ***assessing the steel superstructure and steel pile bents and preparing two alternatives*** for a new deck and repairs for a HS-20 design load necessary for future levee lifts. N-Y will then prepare design plans and specifications for the selected alternative.
05/03 – 04/19	**Fleur de Lis Blvd Reconstruction (Phases I, II and III); City of New Orleans, LA:** Mr. Haensel supervised the engineering design team for this project from its inception, performed a feasibility study and provided the City with suggestions for alternative designs based on the various sources and funding available. The project consisted of the complete reconstruction of 8,200 linear feet (1.5 miles) of major urban divided roadway. As required by FHWA, a ***NEPA environmental clearance was prepared, completed and accepted by LADOTD and FHWA***. Because the corridor was bounded by residential development,

	significant attention was given to ***pedestrian access, bike paths, and construction sequencing***. The project required multiple LADOTD design exceptions because of physical constraints and preservation of trees.
01/15 – 07/15	**Clearview Parkway Turn Lane Improvement at Mounes, LADOTD, Jefferson Parish, LA.** Perfomred ***design of roadway widening*** and left turn lane to serve southbound traffic on Clearview Parkway at Mounes Street. Design included modifications to the existing traffic signal and new pavement markings for Clearview Parkway. All design was in accordance with DOTD and AASHTO requirements. Design was reviewed and approved by DOTD. Construction was inspected by and accepted by DOTD.
04/09 – 09/11	**Island Road Restoration, Terrebonne Parish Consolidated Government / Terrebonne Parish Public Works, Terrebonne Parish, LA.** Performed ***design of the widening, overlay, and restoration*** of a five (5) mile long primary access road in southern Terrebonne Parish, just south of Houma. Design included the cold mill of existing asphalt pavement, placing 20,000 cubic yards of new crushed stone base course, and placing 6,600 tons of superpave asphalt surface and overlay on the existing and widened roadway. All design was reviewed by and approved by Terrebonne Parish Public Works and the FEMA administrator. The design conformed to DOTD and AASHTO requirements.
03/08 – 10/09	**Oak Harbor Boulevard East Widening (I-10 Service Road to Lakeshore Boulevard), St. Tammany Parish, LA.** Performed design of additional travel lanes for an existing 2,600 foot long divided roadway including drainage improvements. The design conformed to DOTD and AASHTO requirements.
06/95 – 06/06	**West Napoleon Avenue Corridor, Jefferson Parish, LA.** Mr. Haensel provided program management services for a five (5) mile urban aerial roadway which included a major drainage canal in an urbanized area. He was in charge of coordinating the design and surveying services of five (5) design engineering firms. He coordinated and attended meetings with the Jefferson Parish Departments of Drainage, Sewage, Water, and Streets; LADOTD; and USACE. The project was completed over 10 years as construction funding was advanced. The total construction cost of the corridor was $75M.
09/98 – 09/06	**Melpomene Street Drainage and Roadway Improvements (Tchoupitoulas Street to Camp Street), City of New Orleans, Orleans Parish, LA.** Mr. Haensel served as design engineer for the ***design and construction of a new major drainage canal segment using a box culvert system***. Design included removal and replacement of approximately 2,500 linear feet of Portland Cement concrete streets, sidewalks, handicap ramps, and sewer and water adjustments/replacements all in accordance with Sewer and Water Board of New Orleans, DOTD and AASHTO requirements. A portion of the project along Tchoupitoulas Street was funded under the TIMED Program.
01/04 – 05/05	**Causeway Boulevard Overlay (Bore Street to W. Napoleon Avenue), Jefferson Parish, LA.** Performed ***design and construction engineering services*** for the cold milling and asphaltic overlay of a divided urban arterial roadway in accordance with Jefferson Parish and AASHTO requirements. Also managed the resident inspection, review of submittals/shop drawings, review of testing/field reports, management of the resident inspection services, review of contractor's payment requests, and general administration of the construction process.
03/01 – 10/02	**LA 434 (I-12 to Ezell Road), St. Tammany Parish, LA:** Provided plans, specifications, bid coordination, and construction administration for the cold milling and overlay and new turn lanes for 7,000 linear feet of state highway 434. All design conformed to DOTD and AASHTO requirements. In connection with the highway design services, prepared a traffic impact analysis of the highway for consideration of the proposed Folger's Warehouse facility. In addition, prepared plans for the driveway access to the Folger's site and an access road to the warehouse.

Firm employed by. ARCADIS			
Name	**Catherine Bruns**	Years of relevant experience with this employer	2
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		**Wetland Delineation and T&E Surveys; Regulatory Permitting and Mitigation**	



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 & Development (LADOTD), Multiple Cities, LA.** *Ecologist* for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of Solicitation of Views, Wetland Studies, Programmatic Categorical Exclusion Checklists, and permitting including USACE Nationwide Permits (NWPs) and LDENR Coastal Use Permits (CUPs).
07/23 – Ongoing	**I-20 Widening/Overlay (Vancil Rd – LA 34), LADOTD, West Monroe, LA.** *Ecologist*. Performed a wetland delineation along I-20 near West Monroe, ***LA for the proposed interstate widening project***. Provided a ***Wetland Findings Report***, including required exhibits, to be used for a USACE Jurisdictional Determination.
10/23 – 9/24	**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 Natural Resources Coastal Use Permits.
02/24 – Ongoing	**I-10 Calcasieu P3 Design Phase, LADOTD, Lake Charles, LA.** *Ecologist*. Prepared environmental documentation and permitting materials for the Calcasieu River Bridge replacement in Lake Charles, LA. The environmental scope of services includes jursidictional wetland verification, ***NEPA Re-Evaluation of environmental commitments***, and permitting to include USACE Sections 10, 404, and 408, USCG Section 9, and LDEQ Section 401.
05/24 – Ongoing	**Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program, LADOTD, Lake Charles, LA.** *Ecologist* for state projects involving replacement of off-system bridges. The environmental scope of services for the project consists of Solicitation of Views, Wetland Studies, ***Environmental Determination Checklists, and permitting including USACE Nationwide Permits (NWPs) and Louisiana Department of Energy*** and Natural Resources Coastal Use Permits (CUPs)
09/24 – Ongoing	**Maintenance Anomaly Program, TC Energy Corporation, Multiple Cities, LA.** *Ecologist* for pipeline maintenance evaluation and anomaly repair projects. Performed field duties including wetland delineation, stream classification, GPS survey, and threatened, endangered, and sensitive species survey for pipeline access. Provided support in obtaining CUPs.

Firm employed by: ARCADIS			
Name	**Michael "Shane" Blatt, MBA**	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		**Public and Stakeholder Involvement; Public Meetins/Hearings and Stakeholder Engagement**	



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*. Responsible for developing communications strategies and messaging, building PowerPoints, leading internal meetings, coordinating and conducting ***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. Coordinating and leading bi-weekly meetings to provide 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. ***Messaging targeted internal and external stakeholders*** and included a full page of content for www.itsmarta.com. Organizing and designing a print tri-fold brochure and PowerPoint presentation, incorporating MARTA images, fonts, colors, and other branding elements. Coordinating and leading meetings with client to keep 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 ~$10k under budget.
08/18 – 04/19	**More MARTA Atlanta, 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. Spearheading communications for More MARTA Atlanta, the city's largest expansion program in 40 years, and coordinating day-to-day meetings and deliverables. Reimagining the monthly electronic newsletter for More MARTA Atlanta to include more innovative content, including alternative story forms such as quizzes. Streamlining 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-June 2025), now Project Director*. 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 PM, 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: The HAWTHORNE AGENCY, INC.

Name	**Geneva W. Coleman**	Years of relevant experience with this employer	35
Title	President	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1982 / Mass Communications; Associates / 1975 / Business Administration	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Outreach Principal / Public Outreach Services**	



Ms. Coleman, founder and president of The Hawthorne Agency, Inc., brings a wealth of experience and insight to communications initiatives, allowing her to quickly identify the strategies that fit best. With three decades plus of expertise as a public relations and communications consultant, Mrs. Coleman specializes in strategic communications planning for community outreach and engagement initiatives. **She has worked with numerous local and state agencies including the City of New Orleans, Sewerage and Water Board of New Orleans, the Regional Planning Commission, and the Louisiana Department of Transportation and Development** providing communications services for major environmental studies and infrastructure projects. Prior to becoming an entrepreneur, Mrs. Coleman was the host and producer of Spectrum 50, a half-hour, weekly, public affairs program on WDSU-TV, the NBC affiliate station in New Orleans.

Experience dates	Experience and qualifications relevant to the proposed contract
10/19 – Ongoing	**New Orleans Rail Gateway Program - Jefferson Highway Rail Relocation Project, Orleans and Jefferson Parishes, LA**. Currently overseeing public involvement and outreach efforts for the Jefferson Highway Rail Crossing Relocation project, part of a broader initiative to improve rail traffic flow and environmental quality. Povides ***high-level advisory guidance, shaping key outreach activities*** including project information dissemination and public meeting facilitation to ensure effective engagement and support a successful environmental review process.
09/01 – Ongoing	**Southeast Louisiana Urban Flood Control Program, Orleans Parish, LA.** Directs public involvement and outreach for this multi-parish drainage improvement program, providing strategic guidance to the project team, ensuring coordinated communication with stakeholders, and supporting consistent, ***effective community engagement*** across all program initiatives.
03/23 – 07/23	**Active Transportation Improvements – New Orleans East I-10 Service Roads Land Use and Transportation Corridor Analysis Stage "0" Feasibility Study, Orleans Parish, LA.** *Managing Outreach Consultant*. Introduced concepts for shared-use biking and walking facilities to the New Orleans East community. Played a key role in guiding the consultant team to accurately identify and coordinate with ***elected officials and community leaders***, while overseeing public involvement and outreach planning and implementation in compliance with RPC's Title VI Program.
10/18 – 06/19	**General Meyer Avenue Complete Streets Study, Orleans Parish, LA.** *Community Outreach And Engagement Manager* for this study, directed the consultant team in planning and executing strategic public outreach methodologies that served to equitably educate stakeholders of varying demographics about the program, including ongoing coordination with the Project Management Committee, elected officials, residents, business owners, organization leaders, and other stakeholders. For

	many stakeholders, this program was their first encounter with the complete streets concept, which was crafted to be both educational and enjoyable through use of interactive outreach tools.
01/17 – 09/18	**"Safe Streets for Everyone" – A Transportation Safety Campaign, Orleans Parish, LA**. *Public Involvement And Outreach Manager* for this ***campaign to educate the public***, including at-risk populations, about safe travel practices and laws governing motoring, cycling, and pedestrian safety. Primary role consisted of managing marketing/media tasks including the development and production of messaging for television, radio, billboard, and social media use.
08/17 – 08/18	**Project Development Services for Rampart/St. Claude Streetcar Extensions, Orleans Parish, LA.** During the critical environmental review process for this proposed streetcar extension, guided the consultant team in engaging stakeholders, agency and contractor personnel, public and elected officials, the business/residential community, and the general public by overseeing the creation/execution of a ***solid public and stakeholder involvement plan*** in accordance with activities required by the National Environmental Policy Act, Federal Transit Administration, and New Orleans Regional Transit Authority.

Firm employed by: The HAWTHORNE AGENCY, INC.

Name	**Karimah Stewart**	Years of relevant experience with this employer	23
Title	Public Relations Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BA / 2001 / Mass Communications	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Outreach Manager / Public Outreach Services**	



Ms. Stewart has served as Public Relations Manager at The Hawthorne Agency, Inc. since 2001, developing and executing engagement programs using innovative strategies. She coordinates all aspects of the agency's outreach efforts including public meetings, hearings, special events, and media relations while acting as a liaison between project managers and the public. Through a hands-on approach, she communicates directly with target audiences, proactively identifies potential issues, crafts clear messaging for diverse stakeholders, and ensures outreach activities are successfully implemented to maximize equitable dissemination of information and meaningful public participation for all projects.

Experience dates	Experience and qualifications relevant to the proposed contract
10/19 – Ongoing	**New Orleans Rail Gateway Program - Jefferson Highway Rail Relocation Project, Orleans and Jefferson Parishes, LA**. Manages public involvement and outreach services for the Jefferson Highway Rail Crossing Relocation project. ***Oversees stakeholder engagement, coordinates the preparation and distribution of outreach materials, and plans public meetings*** and other outreach activities, ensuring clear communication and effective community participation throughout the environmental review process.
09/01 – Ongoing	**Southeast Louisiana Urban Flood Control Program, Orleans Parish, LA**. Coordinates public involvement and outreach activities for this large-scale drainage improvement program. Principal tasks consist of identifying stakeholders, overseeing the ***design/placement/dissemination of outreach materials, organizing community meetings***, as well as managing the program's telephone information line and claims intake process.
03/23 – 07/23	**Active Transportation Improvements – New Orleans East I-10 Service Roads Land Use and Transportation Corridor Analysis Stage "0" Feasibility Study, Orleans Parish, LA.** Tasked with public involvement and outreach coordination, assisted the team with creating key messages and interactive project materials, organizing elected officials briefings and community meetings, and executing targeted strategies to publicize opportunities for participation with this inventive bike/ped study.
10/18 – 06/19	**General Meyer Avenue Complete Streets Study, Orleans Parish, LA.** As community outreach and engagement supervisor for this study, coordinated outreach tasks such as arranging open house public meetings and Project Management Committee meetings as well as ensuring the proficient documentation of these events. Also ***managed the operation of the project's telephone information line.***
01/17 – 09/18	**"Safe Streets for Everyone" – A Transportation Safety Campaign, Orleans Parish, LA.** *Public Involvement and Outreach Supervisor* for this campaign to educate the public, including at risk populations, about safe travel practices and laws

	governing motoring, cycling, and pedestrian safety. Was involved in task management for all marketing/media efforts including the development and production of messaging for television, radio, billboard, and social media use.
08/17 – 08/18	**Project Development Services for Rampart/St. Claude Streetcar Extensions, Orleans Parish, LA.** Role during this project's environmental review process was to coordinate methods for informing and engaging diverse stakeholders inclusive of providing a wide range of ongoing communications channels and mediums. Primary tasks consisted of ***public and stakeholder involvement plan development, stakeholder identification, mailing list creation/maintenance, conducting public meeting logistics, facilitating media relations, and producing summary reports to document outreach efforts.***

Firm employed by: The HAWTHORNE AGENCY, INC.

Name	**Steven Pierre**	Years of relevant experience with this employer	25
Title	Graphic Design Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BA / 1996 / Communications	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Graphics and Outreach Support Specialist / Public Outreach Services**	



Mr. Pierre has 25 years of experience leading creative strategy and visual communications initiatives. He oversees the execution of innovative design concepts, including the development of informational materials, website design and maintenance, and outreach support assets. As lead creative strategist, he has successfully branded multiple infrastructure and transportation improvement projects, delivering cohesive visual identities that resonate with diverse audiences. His expertise includes logo design, comprehensive style guide development, customized web applications, project-specific websites, and compelling outreach collateral. Mr. Pierre's deep understanding of visual engagement across diverse communities ensures each initiative is strategically positioned for maximum impact and public connection.

Experience dates	Experience and qualifications relevant to the proposed contract
10/19 – Ongoing	**New Orleans Rail Gateway Program, Orleans and Jefferson Parishes, LA.** In a graphics and outreach support role, contributes to the Jefferson Highway Rail Crossing Relocation project by identifying and engaging critical stakeholders, ensuring outreach efforts reach the right audiences. Develops detailed outreach maps of target areas to guide information dissemination and designs compelling visual materials, including the project logo, newsletters, and meeting invites, to effectively communicate project updates and initiatives. Work supports the team's broader goal of fostering informed, engaged communities and enhancing the visibility and clarity of the project's public outreach efforts.
09/01 – Ongoing	**Southeast Louisiana Urban Flood Control Program / New Orleans, LA.** Serves as both Graphic Designer and *Website Developer* for this program to construct new pumping stations and increase capacity of drainage canals in Orleans parish. Conducts electronic field assessment research and mapping, designs public outreach materials, and developed the SELA Orleans website, which he regularly updates and maintains.
01/17 – 09/18	**"Safe Streets for Everyone" – A Transportation Safety Campaign, Orleans Parish, LA**. Tasked with graphic design for the creation of various campaign materials to educate the public, including at risk populations, about safe travel practices and laws governing motoring, cycling, and pedestrian safety. Responsible for production of high-quality graphic materials for television, radio, billboard, and social media formats.
04/12 – 05/16	**Paths to Progress (South Louisiana Submerged Roads Program, Orleans and Jefferson Parishes, LA.** As a *Graphic Designer* for *Paths to Progress*, a multi-parish transportation improvement program, produced the graphics protocol used for program correspondence including brochures, meeting mailers and other informational materials. In addition to his graphic design role on this project, conducted electronic research of the project areas, created detailed maps, administered field assessment guidelines, and performed database maintenance.

Firm employed by: N-Y ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS			
Name	**Michael Nicoladis, EI, MBA**	Years of relevant experience with this employer	42
Title	Principal Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 1982 / Civil Engineering Master of Business Administration / 1984	
Active registration number / state / expiration date		EI. 8705 / LA / Exp. 09/30/2027	
Year registered	1982	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Public and Stakeholder Involvement**	



Mr. Nicoladis has had a variety of design, construction administration and project management experience since joining the firm in 1984. As President, he is responsible for overseeing the daily operations and administration of N-Y. He is instrumental in new business development, contract negotiations, and scheduling of work. Mr. Nicoladis also serves as a Principal on many projects and plays a major role in overseeing the firm's client management program. Mr. Nicoladis provided Contract and Subconsultant Management for each project listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
06/08 – Ongoing	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA.** ***Environmental Impact Statement*** for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish with a new roadway across wetlands. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment (EA); Tangipahoa Parish, LA.** Engineering, Environmental, and Planning Services for a ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment addresses the LADOTD complete Streets policy and includes pedestrian and bicycle facilities. Several small bridges are also included.
03/14 – 12/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment (EA); Tangipahoa Parish, LA.** ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
09/24 – 12/25	**St. Tammany Parish Comprehensive Pedestrian and Bicycle Master Plan; St. Tammany Parish, LA.** The St. Tammany Parish Comprehensive Pedestrian and Bicycle Plan addresses the existing deficiencies and assesses further expansion of walking and bicycling infrastructure to make the Parish a safer place for these activities.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA.** Geometric Design Study, ***Stage 1 Environmental Assessment,*** and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Access Point Request (APR) report and design for an addition of a fully directional

	interchange to I-12 at LA 1088. The interchange includes: 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A new 446 LF westbound 2-lane bridge using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
03/12 – 09/15	**Environmental Assessment (EA) for Hooper Road Extension (LA 408); East Baton Rouge and Livingston Parishes, LA.** Engineering, Environmental, and Planning services for a ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for roadway and bridge improvements and extension of Hooper Road (LA 408). The project also addressed the LADOTD Complete Streets Policy, and the preferred alternative included new sidewalks and 8 ft. wide shoulders suitable for bicycling.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139: Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment (EA); Jefferson Parish, LA.** *Principal Engineer*. Feasibility Study and Environmental Inventory (including line and grade) for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a ***Stage 1 Environmental Assessment***.
11/01 – 06/07	**East-West Corridor Multi-Modal Environmental Impact Statement (EIS); Jefferson, Orleans and St. Charles Parishes, LA.** An **Environmental Impact Statement**, including alignment studies and impact analysis of the build alternatives necessary to obtain a Record of Decision (ROD) for this multi-modal transit and highway corridor. N-Y's work focused on the development of Airline Highway widening alternatives (six and eight lanes) and new at-grade and elevated expressway alternatives (six and eight lanes with four lane services roads) to alleviate congestion in a seven (7) mile corridor.
08/11 – 10/14	**LA Highway 23 (Happy Jack to N. Port Sulphur) Environmental Assessment (EA); Plaquemines Parish, LA.** An ***Environmental Assessment*** for the reconstruction of a 3.8 mile segment of LA 23 from two-lanes to four-lanes. The EA included the development, refinement, and analysis of alternatives, conceptual roadway and drainage plans, cost estimates and an analysis of likely impacts.
04/06 – 12/12	**Environmental Assessment (EA) for Ambassador Caffery Parkway (Willow Road to Carenco); Lafayette Parish, LA.** A Line and Grade Study and Environmental Evaluation, and an ***Environmental Assessment*** for an extension of Ambassador Caffery Parkway, a major North-South thoroughfare in Lafayette Parish. The total length of the project is approximately eight (8) miles, including tie-ins to two (2) existing interchanges at I-10 and I-49, with improvements to the Interchange at I-10.
07/04 – 03/08	**Environmental Assessment (EA) and Preliminary Engineering for a New Lapalco Boulevard Bridge Crossing the Harvey Canal; Jefferson Parish, LA.** Line & Grade Study and an ***Environmental Assessment*** (including Preliminary Engineering Design) for a new westbound, double leaf bascule (moveable span) bridge crossing the Harvey Canal at Lapalco Boulevard parallel to the existing moveable bridge.
02/03 – 05/07	**Environmental Assessment (EA) and Related Studies for the Florida Avenue Bridge and Expressway; St. Bernard and Orleans Parishes, LA.** ***Stage 1 Environmental Assessment*** and Concept Engineering Design including fixed span and moveable span bridge alternatives and various corridor plans (including an elevated roadway over wetlands in St. Bernard Parish) for roadway widening and interchange alternatives. Development of various at grade and elevated interchange alternatives; Corridor Study; and Alignment Study.

Firm employed by. ARCADIS

Name	**Julie Price, AICP**	Years of relevant experience with this employer	12
Title	Senior Transportation Planner	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MA / 2005 /Urban & Regional Planning; BA / 2003 / Urban & Regional Planning	
Active registration number / state / expiration date		AICP #176869 / USA / Exp. 06/2027	
Year registered	2007	Discipline	Planner
Contract role(s) / brief description of responsibilities		**Public and Stakeholder Outreach**	



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. Julie performs traffic analysis to mitigate negative impacts of major developments around the region. Julie identifies trends and makes forecasts related to long-range planning efforts. She 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, 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 MPO 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 include 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, 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, GDOT, Metro Atlanta, GA.** *Public Involvement Team Member*. Responsible for Arcadis' GDOT GEC 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 DEIS.
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 (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.
01/2016 – 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, MARTA 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 (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	**MLK Jr. Drive Corridor Improvement Initiative (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.
02/17 – 09/17	**Southwest Houston Sub-Regional Planning Study (SMART Study), TxDOT, Houston, TX.** *Engagement Lead*. Worked for this innovative SMART (Sustainable Mobility Alternatives for Regional Transportation) study for the southwest Houston area to review drivers of transportation change and long-term needs for the future. ***Led stakeholder workshop to co-create goals, objectives, and performance measures to guide the study.***

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



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 – Ongoing	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation, Mobile, AL.** *Project Manager/Analyst.* 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. 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, assumed the role of Project Manager. Responding to methodology questions from the client's study team, developing updated T&R forecasts, conducting various sensitivity tests, and producing the final report.
10/24 – 04/25	**Lower St. Bernard/Louisiana International Terminal Roadway Network and Resilience Study, New Orleans, LA.** *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. Expertise supported the development of a reliable and resilient transportation system to meet the region's needs.
07/20 – Ongoing	**Mississippi River Bridge South Enhanced Planning Study, LADOTD, Baton Rouge, LA.** *Project Manager/Project Technical Leader.* Led the CDM Smith team in developing planning-level T&R forecasts for a proposed new bridge south of Baton Rouge. The study provided key traffic volume, time-savings, and revenue estimates to narrow 32 proposed alignments to three preferred alternatives. During Phase II of the study, led the technical team to develop updated T&R forecasts for the three preferred alternatives in coordination with LADOTD, using an independent socioeconomic review, updated highway improvement assumptions, and revised toll rates.
03/19 – Ongoing	**Traffic and Earnings Consultant Contract, Central Florida Expressway Authority (CFX), Orlando, FL.** *Analyst.* 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.* 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) • 2014 Trip Patterns and Characteristics Study • 2008 Model Calibration and Open Road Tolling Study • Traffic Profiles and Interchange-to-Interchange Matrices • Various Interchange and Roadway Improvement Studies
01/07 – Ongoing	**Traffic and Revenue Consultant, Colorado E-470 Public Highway Authority, Denver, CO.** *Project Manager/Analyst.* 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 • 2013 Toll Differential and Frequent User Discount 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, Southern Polytechnic State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Intermediate Toll Analysis**	



Mr. Blackwell 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 – Ongoing	**I-10 Mobile Bay Bridge and Bayway Traffic and Revenue (T&R) Study, Alabama Department of Transportation (ADOT), Mobile, AL.** *Toll System Estimator.* 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 – Ongoing	**Mississippi River Bridge South to Greater Baton Rouge: LA 1 to LA 30 Connector Phase II Study, LADOTD, Baton Rouge, LA.** *Toll System Estimator.* 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 is evaluating 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 includes a broader NEPA-focused engagement effort with detailed analyses of the remaining three alternatives to identify a preferred option. A decision is anticipated in mid-to-late 2026, and public input continues throughout the process.
03/13 – 01/16	**I-49 South Extension T&R Study, LADOTD, Baton Rouge, LA.** *Toll System Estimator.* 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.* 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.* 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.* 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. 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.* 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. 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, oversaw toll system elements for the dynamically priced I-85 High-Occupancy Vehicle (HOV)-to-High-Occupancy Toll (HOT) lanes project. 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		**Intermediate Toll Analysis**	



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. NY ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS

Name	**Constantine (Dean) Nicoladis, PE**	Years of relevant experience with this employer	39
Title	Senior Vice President and Civil Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MBA / 1987 / Business Administration BS / 1985 / Civil & Environmental Engineering	
Active registration number / state / expiration date		PE. 27095 / LA / Exp. 09/30/2027	
Year registered	1997	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Public Meetings/ Hearings & Stakeholder Engagement**	

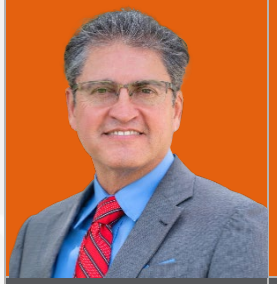


Mr. Nicoladis has 39 years of experience, with particular emphasis on drainage systems (including subsurface drainage, canals and pumping stations), levees, floodwalls, flood control structures, water and sewage utilities, and street and roadway reconstruction projects. He has extensive experience working with public and private clients at the local, state and federal level. Mr. Nicoladis provided Infrastructure Assessments, Utility Information / Geometric Layouts, H&H Studies, Rights-of-Way and/or Cost Estimates for the projects listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
06/08 – Ongoing	**Environmental Impact Statement (EIS) and Interchange Justification Report (IJR) for US 61 at Reserve to I-10 Port Connector Road; St. John the Baptist Parish, LA.** ***Environmental Impact Statement*** for new roadway and bridge alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish with a new roadway across wetlands. Identification of the preferred alternative, which includes a new I-10 interchange in St. John Parish, required an Interchange Justification Report to be prepared concurrently with the preparation of the Final Environmental Impact Statement (FEIS).
09/16 – 12/23	**LA 3234 Extension (LA 1065 to Hammond Airport) Stage 1 Environmental Assessment; Tangipahoa Parish, LA.** Engineering, Environmental, and Planning Services for a ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for extending LA 3234 to improve east-west connectivity through Hammond. The extended roadway segment addresses the LADOTD complete Streets policy and includes pedestrian and bicycle facilities. Several small bridges are also included.
03/18 – 11/20	**New On and Off Ramps at Lead Street to the Earhart Expressway (LA 3139) with Bridge Replacement; Jefferson Parish, LA.** A new at grade eastbound on-ramp from Lead Street to LA 3139; a new at grade westbound off-ramp from LA 3139 to Lead Street; and a new 100 LF reinforced concrete box culvert replacement for the existing Lead Street bridge over the Cross Canal, consisting of 2, 12'x14' barrels.
03/14 – 12/18	**US 51 (LA 22 to Club Deluxe Rd.) Stage 1 Environmental Assessment; Tangipahoa Parish, LA.** ***Stage 1 Environmental Assessment*** (including Concept Engineering Design) for added capacity and roadway, bridge and intersection improvements to US 51. The preferred alternative includes a complete streets cross-section design which includes addition of a new median, new bicycle lanes buffered from travel lanes, and new sidewalks for pedestrians.
06/99 – 04/10	**LA 1088 Interchange, Route Interstate 12; St. Tammany Parish, LA.** Geometric Design Study, ***Stage 1 Environmental Assessment,*** and Preliminary and Final Roadway and Bridge Plans for adding a fully directional interchange to Interstate 12 at LA 1088. This project also included an Access Point Request (APR) report and design for an addition of a fully directional

	interchange to I-12 at LA 1088. The interchange includes. 6,585 LF of widening LA 1088 from a 2-lane roadway to a 4-lane divided roadway with a 30' depressed median; 8,648 LF of single lane ramps; A new 446 LF westbound 2-lane bridge using AASHTO Type IV precast pre-stressed concrete girders; Drainage included 24", 36", 42", 54", 60" and 72" diameter reinforced concrete and reinforced concrete arch pipes.
06/03 – 02/08	**Causeway/Earhart Interchange, Route LA 3139. Stage 0 Feasibility Study & Environmental Inventory and Stage 1 Environmental Assessment; Jefferson Parish, LA.** Feasibility Study and Environmental Inventory (including line and grade) for a proposed interchange at the Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Plans, profiles, and cost estimates were developed for six multi-level interchange alternatives. Two provide all eight possible turning movements with signalization; four are free-flow providing six turning movements. The final two build alternatives were evaluated in a ***Stage 1 Environmental Assessment.***
06/13 – 06/14	**Stage 0 Feasibility Study, Tchoupitoulas Corridor Signage and Striping; New Orleans, LA.** The purpose of this Stage 0 study was to identify all damaged, worn or missing traffic control signage and pavement marking on 4.53 miles of the Tchoupitoulas Street corridor and recommend improvements to the overall operational safety of this corridor. Twenty-eight (28) signs were found to be missing and fifty-three (53) signs were identified to be in a deteriorated condition or vandalized, for a total of 81 signs that need to be replaced. Pavement markings along the entire corridor were observed to be in a deteriorated condition.
09/10 – 12/16	**Veterans Administration Medical Center (VAMC) and University Medical Center (UMC) Infrastructure Improvements.** Roadway pavement complete with curbs; base; subsurface utilities, including but not limited to, drainage, water, and sanitary sewer installation; and adjustments as required at driveways, intersecting streets, and project termini.
02/03 – 05/07	**Environmental Assessment and Related Studies for the Florida Avenue Bridge and Expressway; St. Bernard and Orleans Parishes, LA.** ***Stage 1 Environmental Assessment*** and Concept Engineering Design including fixed span and moveable span bridge alternatives and various corridor plans for roadway widening and interchange alternatives. Development of various at grade and elevated highways over wetlands as well as interchange alternatives; Corridor Study; and Alignment Study.
06/15 – 06/21	**Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA.** A Hydraulic Study utilizing HEC-RAS and Preliminary & Final Design of the double barrel, 3000 CFS, 300 LF reinforced concrete box culvert to improve stormwater flow and replace the existing bridges crossing the Duncan Canal. This project was designed using LADOTD standards.
06/15 – 03/18	**Alton Area Drainage Study and Phase I Improvements; St. Tammany Parish, LA.** Hydraulic Modeling utilizing SWMM of Existing Conditions and Proposed Improvements to alleviate street and nuisance flooding. Design for Phase I of these proposed improvements.
12/16 – 05/17	**Tantella Ranch/McGee Road Drainage Study; St. Tammany Parish, LA.** Evaluation of the water surface elevation for a 1,780 acre area on Tantella Ranch Road utilizing SWMM. Included in the model is a proposed culvert addition on Tantella Road. N-Y also determined the impact a proposed detention pond would have on the water surface elevation at McGee Road.
06/15 – 06/16	**1077/1085 Drainage Study; St. Tammany Parish, LA.** Hydraulic Modeling utilizing SWMM & HEC-RAS of existing conditions and proposed improvements for this 12,500 acre area which includes the following three (3) adjoining watershed area. East Bedico Creek, Soap and Tallow Creek, and Black River. The proposed improvements will alleviate overland flooding.

Firm employed by: CDM Smith			
Name	**John Muñoz**	Years of relevant experience with this employer	11
Title	Senior Financial Advisor	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		**Intermediate Toll Analysis; Financial Plan**	



Mr. Muñoz 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. 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. 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.* 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 led development of a request for qualification (RFQ) for P3 delivery of the proposed third airport in the Chicago land area. Also led the feasibility analysis for bundling small, simple state owned bridges across the state. Following the analysis, 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.* Project technical leader for a $2.1 million contract that supports capital programming, including prioritizing, funding, and developing innovative and traditionally delivered projects. 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.* 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.* Advised ADOT & PF on a design-build procurement and on obtaining a $350 million TIFIA loan for a $900 million bridge project. 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.* Assisted PennDOT by developing commercial and technical procurement documents for an approximately $900 million, 558 bridge replacement projects with a 25-year lifecycle maintenance obligation. 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. Developed staggered maintenance terms so that bundles entered and exited the maintenance period based on when each bundle reached substantial completion. 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, 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.* 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. Prepared multiple white papers to support training for personnel implementing P3 and design build contracts. 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: 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		AICP #17067 / USA / Exp. 12/31/2027	
Year registered	N/A	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Intermediate Toll Analysis**	



Mr. Tillera 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.

Experience dates	Experience Description:
04/19 – Ongoing	**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.* 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.* 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.* 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.* 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. Led the training and development of the South Carolina Statewide Model. 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.* 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.* 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 – Ongoing	**Houston Urban Core Study Phase 2, Texas Department of Transportation (TxDOT), Houston, TX.** *Project Manager.* Leading 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. Responsibilities include overseeing model updates and scenario development, summarizing results using standardized measures of effectiveness, and confirming consistent interpretation of operational performance outcomes. Model results are synthesized and visualized through interactive dashboards to communicate findings with technical and non-technical stakeholders clearly.
06/23 – Ongoing	**I-285 Top End Bus Rapid Transit (BRT) Study, Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, GA.** *Ridership Forecasting Lead.* 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	**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		BS / 2013 / Environmental Science, Western Carolina University MPA / 2017 / Public Administration, 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		**Purpose and Need; Section 4(f)/6(f) Evaluations; NEPA Documentation**	



Mrs. Kern has 8 years of experience in environmental planning in the southeastern U.S. Prior to joining Arcadis, she served as a NEPA Planner with the Georgia Department of Transportation (GDOT) evaluating environmental effects and environmental documentation for transportation projects. Her area of expertise includes the National Environmental policy (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), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), US 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, Mrs. 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 five miles southwest of Lawtell in St. Landry Parish, Louisiana.
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, Louisiana.

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 ensuring ***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 Categorical Exclusion (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 subject matter experts (SMEs), authoring the CE document, and ***validating compliance with NEPA*** and other Federal and State regulations.

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		**Purpose and Need; Section 4(f)/6(f) Evaluations**	



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 USDOT 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), GDOT, and other federal, county and city officials.

Experience dates	Experience and qualifications relevant to the proposed contract
06/16 – 09/20	**Kennesaw Mtn National Battlefield Multi-Use Trail EA Cobb County DOT, Cobb County, GA.** *NEPA Lead*. Responsible for preparation of an FHWA/GDOT EA, FHWA/GDOT FONSI, NPS FONSI/Non-Impairment Statement, and FHWA/GDOT Re-evaluation for approximately 3.8 miles of pedestrian trails through and adjacent to Kennesaw Mtn National Battlefield. The ***Environmental Assessment*** 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***. Initiated and coordinated environmental resource identification, technical studies, public involvement efforts, and authored NEPA documents while adhering to the P6 schedule. Projects examples include. • PI 0009901, I-20 at Waco Road, Programmatic Categorical Exclusion (PCE) and Re-evaluation (Construction Year - 2023) • PI 0016106 | SR 6 at SR 100/Canal Street | PCE & Re-evaluation (Construction Year – 2023) • PI 0017970 | Watkinsville Bypass | ***Alternative Analysis*** (Construction Year – 2023) • PI 621600/662420 | S/SE 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 P3, 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 (PIOH), a live streamed stakeholder meeting, and a live streamed Q&A 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. Authored environmental screening documents, coordinated with environmental subject matter experts, authored ***NEPA documents, and coordinated 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 Georgia 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: CDM Smith			
Name	**Annamarie Weddle, AICP**	Years of relevant experience with this employer	6
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 / USA / Exp. 12/31/2027	
Year registered	2023	Discipline	Planning
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)*

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. Leading the environmental assessment for the proposed widening and interchange improvements along a 13 mile segment. Coordinating quality assurance and quality control procedures and documenting agency coordination and concurrences. 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 – Ongoing	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Task Lead.* Leading the EIS in accordance with NEPA regulations. 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.* 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. 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.* Reviewed the literature, identified best practices, worked with subject matter experts, and developed scoring criteria for the triple bottom line assessment. 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.* Supports FEMA in reviewing project proposals for NEPA compliance. Coordinated with technical specialists and subconsultants assessing project impacts and document compliance, performs data analysis, and develops administrative records. 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.* Assisted with data collection and analysis to develop a Community Impact Assessment for Environmental Justice communities within the larger I-80 Improvement project. U 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. 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.* Collecting, analyzing, and synthesizing data and assisting with the development of existing conditions and transportation analysis memoranda. 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.* 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. 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	**Savannah Kimbrell**	Years of relevant experience with this employer	3
Title	Planner	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2022 / Environmental Science, Georgia College and 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 Documentation**	



Ms. Kimbrell is an Environmental Planner with a focus on National Environmental Policy Act (NEPA) compliance. Her skills in assessing environmental and community impacts, as well as Geographic Information System (GIS) map preparation, are essential to environmental studies and feasibility projects. She has managed a variety of complex projects and has successfully navigated the NEPA process within multiple Department of Transportations, including Georgia Department of Transportation (GDOT), North Carolina Department of Transportation (NCDOT), Florida Department of Transportation (FDOT), and Louisiana Department of Transportation and Development (LADOTD).

Experience dates	Experience and qualifications relevant to the proposed contract
03/24 – 12/24	**I-10 Calcasieu Bridge Replacement, Louisiana Department of Transportation and Development (LADOTD), Lake Charles, LA.** *Environmental Permitting Support.* Provided support to the ***environmental and permitting*** team for various action items, including USACE and USCG permitting, environmental impact calculations, and using ***GIS technology to map environmental resources***, such as WOTUS and presence of protected species.
01/24 – 12/24	**LA 22 Stage 0 Bridge Feasibility Study,LADOTD, Madisonville, LA.** Responsible for data collection, project planning, and figure preparation for a bridge feasibility study in Madisonville, Louisiana.
05/25 – Ongoing	**I-75 Interim Congestion Relief and South Metro Express Lanes Extension, Georgia Department of Transportation (GDOT) , Clayton, Henry, and Spalding Counties, GA.** *NEPA Planner.* Provided support to the ***environmental and planning team for various NEPA action items,*** including mapping of historical, archaeological, ecological, and community resources on a collaborative GIS platform, catalogued early coordination and public involvement correspondence, and assisted in Need and Purpose and NELT documents.
04/25 – Ongoing	**Athens-Clarke County Bridge Feasibility Study, GDOT, Athens, GA.** *NEPA Lead*. Responsible for ***data collection, figure preparation, report writing, and overseeing Public Involvement*** efforts for a bridge feasibility study in Athens-Clarke County, GA.
01/24 – Ongoing	**Savannah River Crossing (SR 404 Spur/US 17 Bridge Replacement), GDOT, Chatham County, GA.** *NEPA Planner*. Provided support to the environmental and planning team for various ***NEPA action items, including public involvement preparation, summarizing and compiling environmental resources***, and analyzing design alternatives to mitigate impacts to historical, archaeological, and ecological resources.
11/23 – Ongoing	**I-285 Westside Express Lanes, Georgia Department of Transportation, Cobb and Fulton Counties, GA.** Provided support to the NEPA Lead for various NEPA action items including, but not limited to: • ***Authoring NEPA Document*** chapters, such as 4(f) resources, community and visual impacts, and Public Involvement.

	• Prepared postcards, fact sheets, handouts, and other information for Public Information Open House meetings and Stakeholder meetings. • Preparing US Census, demographic, and land use maps using GIS technology • Catalogued environmental data to prepare for Avoidance, Mitigation, and Minimization Measures meetings. • Collaborated with project designers to ***prepare Need and Purpose and Need Effectiveness and Logical Termini (NELT)*** documents.
01/23 – Ongoing	**GDOT Operational Improvement Program On-Call, Georgia Department of Transportation, Regional, GA.** *NEPA Planner.* Responsible for ***NEPA requirements for ongoing intersection improvement projects.*** As part of the Program's project concept development phase***, authored environmental resource screening documents*** for the following projects: • PI No. 0018299, Cobb County • SR 279/Old National Hwy at Godby Road & I-285, Fulton County • SR 34 at SR 54, Coweta County
01/23 – Ongoing	**GDOT Traffic Safety Design Services On-Call, Georgia Department of Transportation, Regional, GA.** *NEPA Planner.* Responsible for NEPA compliance for on-going transportation projects in the Statewide Safety Program. This program involves the reconfiguration of multiple intersections throughout the state and consequentially ***encompasses a variety of environmental resources*** such as historic structures and districts, archaeological sites, low-income and minority populations, waters under the jurisdiction of the US Army Corps of Engineers, and underground storage tanks. Savannah has contributed environmental screenings and NEPA action items in the following projects: • PI No. 0018399, Jackson County – I-85 SB & NB Dual Roundabouts • PI No. 0019835, Carroll County – SR 113 from SR 1 to Zachary Drive • PI No. 0019836, Whitfield County – SR 3/US 41 at CR 666/Five Springs Rd • PI No. 0019838, Houston & Peach Counties – SR 11/SR 49 at CR 1717/N Houston Lake Blvd • PI No. 0019840, Houston & Peach Counties – SR 11/SR 49 at SR 11 and at Houston Road
08/23 – Ongoing	**Fayetteville Russell and Person Street Improvements, City of Fayetteville, Cumberland County, NC.** *Environmental Planner.* Responsible for ***assessing and evaluating environmental impacts*** from two bridge improvement projects in Fayetteville, North Carolina.
07/23 – 12/23	**Brown Street Relocation, North Carolina Department of Transportation, Lexington, NC.** *Environmental Planner.* Authored a ***Community Impact Assessment*** for a new roadway development in Lexington, North Carolina.
05/23 – 12/23	**Troup County Planning Study, Georgia Department of Transportation, Troup County, GA.** *Environmental Planner.* Responsible for assessing and ***evaluating environmental impacts from local transportation projects*** along various corridors in Troup County.
07/23 – 12/23	**I-295 from San Jose Boulevard to Blanding Boulevard Project Development & Environment Study. 2023 – 2024 Florida Department of Transportation, Duval and Clay Counties, FL.** *Environmental Planner.* Revised and assembled a Preliminary Engineering Report for a bridge widening and auxiliary lane implementation study in Duval and Clay Counties, Florida.

Firm employed by: CDM Smith			
Name	**Michael Belvin**	Years of relevant experience with this employer	21
Title	Associate, Senior Environmental Planner	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		BS / 1989 / General Agriculture, Tarleton 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 Documentation**	



Mr. Belvin 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. 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. 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. 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 – Ongoing	**I-526 Mark Clark Expressway Extension Environmental Impact Statement (EIS), SCDOT, Charleston County, SC.** *Environmental Planner.* 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. 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. 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.* 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. 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. 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. 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, assisted in coordinating and preparing public information, meeting illustrations, and handouts.

Firm employed by: NY ASSOCIATES, INC. ENGINEERS • ARCHITECTS • PLANNERS PROGRAM & PROJECT MANAGERS			
Name	**Patricia R. Claverie, EI, MS**	Years of relevant experience with this employer	5
Title	Senior Civil Engineer	Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization		MS / 2003 / Engineering Management BS / 2000 / Civil and Environmental Engineering	
Active registration number / state / expiration date		EI. 19340 / LA / Exp. 09/30/2026	
Year registered	2000	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**NEPA Documentation**	



Ms. Claverie has 26 years of experience in H&H modeling. She has extensive knowledge of ArcView, PCSWMM, SWMM5, HEC-HMS, and HEC-RAS for drainage improvements and hydraulic design for bridges and culvert design. Her experience also includes planning and engineering services for Sewer Infiltration and Inflow Management using InfoWorks and developing shape files for GIS. Ms. Claverie also is knowledgeable in roadway design, traffic control plans, signage and pavement marking plans, storm water pollution prevention plans, sanitary sewer and water line improvement plans, and hydrologic studies. Ms. Claverie provided Civil and Hydraulic Engineering and/or H&H Modeling for each project listed below.

Experience dates	Experience and qualifications relevant to the proposed contract
11/21 – Ongoing	**Replacement of Rural Bridges on LA Highway 119, LADOTD District 08; Natchitoches Parish, LA.** *Senior Engineer.* H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of five (5) rural bridges crossing Creek 1, 2,3, and 4 and Bayou Pierre on the State Highway 119 in LADOTD District 08. Solicitation of Views and Preparation of the Categorical Exclusion document in compliance with ***NEPA and FHWA criteria and guidelines***. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
11/21 – Ongoing	**Replacement of Rural Bridges on LA Highway 1199, LADOTD District 08; Rapides Parish, LA.** *Senior Engineer.* H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of three (3) rural bridges crossing Creek 1, and 2 and Spring Creek on the State Highway 1199 in LADOTD District 08. Solicitation of Views and ***Preparation of the Categorical Exclusion document in compliance with NEPA*** and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
11/21 – Ongoing	**Replacement of Rural Bridges on LA Highway 124, LADOTD District 58; Catahoula Parish, LA.** *Senior Engineer.* H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of three (3) rural bridges crossing Broke Leg Bayou, Boggy Bayou, and Creek on the State Highway 124 in LADOTD District 58. Solicitation of Views and Preparation of the ***Categorical Exclusion document in compliance with NEPA*** and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
11/21 – Ongoing	**Replacement of Rural Bridges on LA Highway 472 and 577, LADOTD Districts 08 and 58; Grant and Franklin Parishes, LA.** *Senior Engineer.* H&H Modeling utilizing LADOTD HYDRWIN software as well as the USACE HEC-RAS and design for the replacement of four (4) rural bridges crossing Indian Creek, Big Bear Creek, Bull Bayou, and Creek on the State Highway 427 and 577 in LADOTD Districts 08 and 58. Solicitation of Views and Preparation of the Categorical Exclusion document in

	compliance with ***NEPA*** and FHWA criteria and guidelines. This project includes Preliminary and Final Bridge Plans and Bridge Load Rating Reports.
05/25 – Ongoing	**Welsh Gully Detention Ponds and Channel Improvements; Ascension Parish, LA.** *Senior Engineer.* H&H Modeling utilizing HEC-RAS that illustrates the existing conditions, determines the required channel improvements along Welsh Gully and Perkins Oak Lateral as required along the identified 8,600 linear feet of channel. This includes approximately 43,000 cubic yards of targeted excavation to help improve runoff conveyance. In addition, the project includes 57,000 cubic yards of excavation for one detention pond.
09/21 – 12/24	**Coin Du Lestin Road Elevations; Slidell, LA.** *Senior Engineer.* H&H Modeling utilizing HEC-RAS that illustrates the existing conditions, determines the required roadway elevations to prevent inundation in a 100-year event, evaluates the drainage impacts that will occur due to raising the roadway elevations, and provides a final recommendation.
09/11 – 10/20	**USACE – Southeast Louisiana Urban Flood Control Program (SELA); Orleans Parish, LA.** *Senior Engineer.* Provided construction and program management services for the Sewerage and Water Board (S&WB) of New Orleans on the $1B drainage improvement program. Coordinated the design and construction work for the S&WB between the USACE and the design A/E firms. She reviewed contract and construction documents for constructability, inputted review comments into Dr. Checks, coordinated acquisitions of rights-of-way and construction easements, and reviewed the design of the relocation of utilities. Performed computer hydraulic modeling using the XP-SWMM program for major drainage canals and systems to determine the existing conditions and required drainage improvements, evaluated water surface profiles for existing and proposed improvements, and prepared conceptual plans and preliminary construction cost estimates for various open and covered canals.
05/17 – 10/20	**Master Drainage Plan for Sewerage and Water Board of New Orleans; Orleans Parish, LA.** *Senior Engineer.* The project included providing modeling services using PCSWMM for the Master Drainage Plan Study for the entire area of New Orleans served by the Sewerage and Water Board. The study's purpose was to evaluate the existing drainage system to determine its current capacity, flag all deficiencies, develop plans of improvements to a 10-year design level, and to make budgetary estimates of costs and project these costs over a period of 50-years. Responsible for creating the hydraulic model using PCSWMM for both the existing conditions and required drainage improvements for the Algiers and English Turn areas.
05/15 – 01/16	**Grays Creek; Livingston Parish, LA.** *Senior Engineer.* Grays Creek is one of the major floodways within the Parish. Grays Creek flows southeastward into the Amite River immediately above Port Vincent. Responsible for preparing a Drainage Study for Grays Creek from Florida Boulevard (Hwy 190) to Interstate-12 in Livingston Parish. The purpose of the drainage study was to provide Livingston Parish with guidance in planning drainage infrastructure to meet the needs of the Parish. To do so the volume of runoff from Grays Creek drainage basin from Florida Boulevard (Hwy 190) to Interstate-12 was quantified for a the 2-year, 5-year, 10-year, 25-year, 50-year, and 100-year rain events. Created an existing condition model in HEC-RAS for Grays Creek. In addition, the following alternatives were evaluated in the HEC-RAS proposed model: widening the channel bottom, fixing the centerline slope, adding concrete slope paving to side banks, and replacing the bridges with culverts. Recommendations for the drainage improvements and for further study downstream were made.

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 Scheduler**	



Ms. Jocelyn has 26 years of experience working on large, heavy civil alternative contract projects. Having worked in transportation, energy, and water sectors, Mrs. 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 our controls group in Tennessee ensuring workload distribution of schedules, estimates, and claims, provides QA/QC, and ensures deliverables are met. Ms. Jocelyn has professional qualifications which include OSHA 30 hr, Level 1 Fundamentals of Erosion Prevention & Sediment Control – GA, and Certified Signal Person.

Experience dates	Experience and qualifications relevant to the proposed contract
07/25 – Ongoing	**2nd Ave Subway Tunnel, NY**. *Schedule Lead.* Oversaw the internal schedule to ***coordinate design activities and submittals***, ensuring timely submission of design packages for each project phase. Managed contractor changes for efficiency in design execution.
03/24 – Ongoing	**I-10 Calcasieu River Bridge P3, LA**. *Schedule Support.* Developed and managed a shadow schedule, independent of the Design Partners' schedule, to track fragnets, specific events, and conditions contributing to project schedule overruns for Arcadis and generate relevant and factual data supporting fair and evidence-based time determinations. Conducted 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, GA**. *Schedule Lead.* Oversaw the internal schedule to coordinate design activities and submittals, *ensuring timely submission of design packages* for each project phase. Managed contractor changes for efficiency in design execution. Managed weekly schedule updates.
03/24 – 08/24	**SR 400 Express Lanes P3 Tender Stage, GA**. *Schedule Lead.* Managed the schedule to deliver the early works package for NTP 2 & NTP 3, the Advance Design Package (ADP), Cost Effective Design Packages (CED), 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 & 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 ~$1M*** 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	**TDOT, Region 2, (CNU315), 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, 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 $1m delay & 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. QA/QC*. Performed schedules reviews and developed reports of a one-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 2 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, & 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, GA**. *Senior Project Scheduler.* Managed cost loaded schedule in Primavera P6 by updating submittals, procurement and construction activities and submitting to 3rd 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	**C.W. Matthews Contracting Co., Various GDOT Roadway and Bridge Construction Projects, 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	**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, led the development and implementation as an owner and developer of Arcadis' Client Experience (CX) 360 product — an immersive experience where clients can hold virtual, public meetings, trainings, and seminars from anywhere. It is a safe and sustainable approach to connecting with everyone. She developed various prototypes using CX Portal to identify feasibility and viability in 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:* The Ecology department were looking for a solution to optimize staff and resource allocation. The existing process was excel-based and phone-based and required time leading to a lot of manual errors in the process. ***Developed an interactive Workload Dashboard and designed a robust data management system.*** The developed 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 more efficient. The integration of feedback and Frequently Asked Questions modules enhanced user engagement and support. These interactive elements made sure that user requirements and concerns were promptly addressed, contributed to an overall streamlined and effective system. The ***interactive Workload Dashboard provided a comprehensive tool*** not only meeting the Ecology Department's allocation needs but also enriched user experience and support.
07/23 – Ongoing	**Regional Traffic Operations Program, Alabama Department of Transportation, Statewide, AL –** *Power Platform Developer:* The client's objective was to gain valuable insights into ***regional traffic performance measures, prompted the development of a tailored dashboard and reporting tool.*** This solution provided a robust platform to access and analyze data, provided the client with meaningful traffic insights. By generated detailed reports on regional traffic performance measures, the solution aimed at empowering the client to extract actionable insights. The reported functionality further facilitated customized data retrieval, 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:* The aim was to establish an innovative virtual immersive public platform for hosted public meetings, prompted the creation of an interactive portal. The platform developed introduced a dynamic way for public engagement, led to a significant increase in 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 –** *Product 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 made sure 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.

Firm employed by. ARCADIS			
Name	**Amber Vick**	Years of relevant experience with this employer	12
Title	Data Solutions Lead	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		AAS / 2010 / CAD Technology, Georgia Northwester Technical College	
Active registration number / state / expiration date		Pix4D Mapper Fundamentals, PMI Citizen Developer Practitioner Certification, Microsoft PL-900 Power Platform Fundamentals Certification	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Data Analytics**	



Ms. Vick has 12 years of experience in Innovation and Technology. She is currently the Digital Analytics Lead at Arcadis, where she leverages her expertise in digital transformation, innovation, and data utilization to provide actionable insights. Amber connects with both internal and external clients to identify pain points and develop sustainable solutions. As a citizen developer, she maximizes the capabilities of the Microsoft Power Platform, utilizing Power Apps to capture and manage data through custom applications, Power Automate to streamline workflows, and Power BI to analyze and visualize data for clear insights. Amber has extensive experience in data management best practices, particularly within the transportation sector, with a focus on Georgia Department of Transportation (GDOT)projects. Her proven leadership has successfully delivered numerous data management optimization solutions.

Experience dates	Experience and qualifications relevant to the proposed contract
10/23 – Ongoing	**Power BI Reporting, FDOT, Atlanta, GA.** *Digital Analytics Lead*. Successfully led the development and implementation of Power BI reporting solutions for a key transportation client. Designed and deployed a comprehensive contract tracking report incorporating subcontractor data to streamline operations and boost efficiency. Additionally developed targeted Power BI reports for drainage and environmental contract tracking to meet specific client requirements. Actively familiarizing the client with Power BI capabilities, building buy-in through targeted demonstrations and proof-of-concept reports. Ongoing support and education are positioning the reporting tools to become increasingly valuable components of daily operations.
08/21 – Ongoing	**Project Controls Consultant, Port of Miami, Atlanta, GA.** *Digital Analytics Lead*. Centralized and streamlined global governance processes to support the Port of Miami in tracking capital improvement planning, schedules, budgets, and overall portfolio status. Collaborated closely with client stakeholders to envision, implement, and sustain improved project management methods; reimagined six high-level processes across four major programs. Developed sustainable digital solutions using Microsoft Power Platform tools to optimize project management for more than 200 active projects valued at more than $150 million USD.
01/21 – Ongoing	**Contract Analysis Reporting, GDOT Design Build Program (DBE), Atlanta, GA.** *System Integration Lead.* Strategized, supported, and oversaw the development of Microsoft Power Platform solutions to enhance management of a $100 million+ Design-Build program for internal stakeholders and GDOT leadership. Led the creation of custom Power Apps for data collection (e.g., field inputs on project status, contractor assignments, and DBE participation), integrated with Power Automate workflows to automate approvals, notifications, and data syncing, streamlining processes and reducing manual effort. Designed and implemented robust reporting and analytics tools, including Power BI dashboards, to provide real-time

	visibility into program and project progress, budget and schedule health, contractor allocations across projects, and DBE goal attainment. These solutions delivered actionable insights, enabling faster decision-making, improved compliance tracking, and stronger data-driven oversight of contractor performance and resource allocation. Transitioned the program from fragmented tracking methods to a unified, sustainable digital ecosystem—resulting in accelerated workflows, enhanced data quality for analysis, and greater efficiency in managing complex Design-Build contracts.
08/22 – 6/25	**Contract Analysis Reporting, GDOT Env Services, Atlanta, GA** *Program Manager/Technology Lead*. Headed the creation and implementation of a robust reporting system, streamlining the management of a $25 million portfolio of task orders for a client. This system delivered real-time insights on project progress, resource allocation, and budget adherence, empowering the client with critical data to make informed decisions. Clear and concise metrics on task order performance enhanced client communication, fostering a collaborative and transparent working relationship.
6/20 – 07/21	**MGIS Program Implementation Lead, Mars Inc., Atlanta, GA.** *System Integration Lead.* Facilitated communication and drove conversations among MGIS and Arcadis Project Team to ensure requests and needs of Mars Stakeholders were realized. Launched data collection campaign to support client's goal of achieving Net Zero carbon emissions by reaching out to over 1,000 global suppliers for product sustainability information. Led mixed team of five technical experts from three countries (US, Brazil, and India) to give Mars corporate function & business leaders timely, consumable and actionable information on sustainability impact and improvement opportunities.
01/20 – 01/21	**Project Controls Consultant, Arcadis Atlanta PD&E, Atlanta, GA.** *Digital strategist and solutions lead* for PD&E team, developing scalable and sustainable digital solutions for both internal and external pursuits, including our largest client, GDOT. Developed multiple long-term solutions to optimize project and team management, including the PD&E Resource Manager tool. This tool integrates all pieces of the Microsoft Power Platform to collect and visualize resource workload and capacity affecting more than 200 employees across 10 disciplines and eight regions world-wide.

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 Project Delivery Specialist, P3 Advisory Services**	



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 GDOT in charge of more than $100 million in bridge and highway construction projects. This collective knowledge gives him a unique understanding of the staging and constructability requirements for the projects he manages and allows him to successfully lead and mentor teams of engineers and environmental staff. He only serves the transportation market and has focused his entire career on designing and implementing safe, thoughtful transportation solutions for the traveling public. For the last 12 years, He has been involved in almost all 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	**I-285 At SR-400 Interchange Design-Build-Finance Owner's Representative, GDOT, Metro Atlanta, GA.** *Senior Technical Advisor and Conceptual Lead*. Responsible for the reconstruction of the I-285 at SR 400 interchange. In early 2014, the I-285 at SR 400 Interchange project was placed on the State of Georgia's top priority list since it is expected to handle almost 600,000 vpd 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* delivery method to cut delivery time from 8-10 years to under 6 years. Pre-Construction Activities: Arcadis developed the ***preferred alternative, NEPA document, System Interchange Modification Report*** and costing plans required to solicit the bid. All of this was accomplished under an unprecedented 12-month schedule to allow for maximum construction time. This project was a team effort across multiple Arcadis offices, including Ohio, Georgia, and Florida. Proposed improvements included constructing parallel collector/distributor (C/D) lanes and braided ramps along I-285 and SR 400 for improved traffic operations and safety. Interchange reconfiguration included two new flyover movements as well. Procurement and Post Award Activities: Arcadis assisted GDOT with the development of the ***Design-Build-Finance*** contract and reviewed all ATC 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 for all DBF team submittals and is independently reviewing all submittals from an engineering standpoint and for contract compliance.

07/13 – 10/14	**I-75 South Managed Lanes Design-Build, C.W. Matthews Contracting Co., Henry County, GA.** *Project Manager.* Responsible for the ***design of variable rate toll lanes*** along I-75 between SR 155/McDonough Road and SR 138/ Stockbridge Highway utilizing 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 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 created south of Jonesboro Road with a connector road back to Jonesboro Road. A flyover ramp to I-675 on northern terminus was included which provides slip ramps on I-675 near SR 138. The project design/permitting was completed 4 months ahead of schedule and construction was completed January 2017. According to GDOT, this is the largest design-build project to open to traffic in the State of Georgia to date, and the only Georgia project in which a section of the interstate was converted to include two managed lanes in the center of the freeway.
07/15 – 07/16	**I-85 N Express Lanes Extension Design-Build, C.W. Matthews Contracting Co., Gwinnett County, GA.** *Project Manager*. Led the design consultant team on this large-scale, technically complex design-build project. C.W. Matthews Contracting Company (CWM) chose Arcadis as Lead Engineer for this project due to our ***turn-key design expertise of tollway facilities*** and our prior success on major design-build projects. This $130 million project includes 10 miles of newly constructed bi-directional express lanes as an extension of the existing I-85 express lanes north of Atlanta. Three slip-ramp access points are being provided along with new general-purpose auxiliary lanes between several ramps to improve merging safety and to prevent bottlenecks. As lead designer, Arcadis performed more than 90% of the design work, including 100% of all roadway, drainage, bridge, ITS and tolling design. This work includes the replacement of the I-85 over I-985 SB bridge, a new NB express lane-only flyover bridge over I-985 and widening the I-85 bridges over SR 20. Additionally, Arcadis completed all environmental permitting; re-evaluation coordination; land surveying; utilities coordination; design of tolling and ITS-related infrastructure including new fiber trunk lines; site design for hub buildings; MS4 permitting; and maintenance of traffic plans. All design was completed, and construction started 2 months ahead of schedule. Since quality is paramount, Arcadis used a ***project-specific QA/QC plan*** during design which 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	2.5
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 & APMG International | 2024	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Alternative Delivery / P3 Advisory Services**	



Ms. Corradi is a multi-lingual senior leader with over 20 years of international corporate experience in managing large infrastructure P3 and design-build projects. She has expertise in people management, full life cycle project management, and stakeholder management, Ms. Corradi 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 (LADOTD), Lake Charles, LA.** *P3 Project Director.* Responsible for managing the success of Arcadis within the Joint Venture of the four design companies. This involves overseeing schedule and budget updates, identifying risks, and developing mitigation strategies. Also ***liaises with the Design Build Client and P3 stakeholders, participates in contract negotiations with legal teams, and guarantees compliance with project processes, including constructability and O&M impact***. Reviews and processes proposed design changes to assess their impact on project scope and contractual obligations, while ensuring that project deliverables meet quality standards and client requirements.
12/16 – 02/18	**Gordie Howe International Bridge, Windsor-Detroit Bridge Authority (WDBA), Windsor (ON, Canada)- Detroit (MI, US).** *P3 Project Leader.* Responsible for developing 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 guarantee effective communication, coordination, and prioritization of upcoming deadlines, while providing updates on schedule and budget. ***Collaborated with various design and specialty consultants to guarantee the timely delivery of project deliverables*** and compliance with contractual obligations. Guaranteed that project processes are adhered to, and reviews proposed design changes to assess their impact on project scope and contractual obligations, while ensuring that project deliverables meet 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, Client, Various, Canada.** *Project Coordinator.* Responsible for planning, ***execution and closing of some of the largest P3 Projects and Tenders*** including the New Bridge over the St. Lawrence (QC), The Eglinton Crosstown LRT (Toronto, ON), East Rail Maintenance Rail Facility (Whitby, ON), Hamilton Bio soil Management Facility (Hamilton, ON), White Rose Extension Project (Wellhead Platform & Concrete Gravity Structure) (St. John, NL) & the Hanlan Watermain /Feeder main Project (Missisauga, ON), resulting in over $10 billion of Budget.

01/20 – 03/21	**AM ,CBRE, Europe (Spain, Andorra, Italy) from Headquarters in Portugal.** *International Business Development Manager.* Responsible for ***managing full life cycle projects*** from development to completion, even amid the challenges posed by the pandemic. Responsibilities included identifying and executing 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 a span of 12 months. Implemented strategic initiatives to meet organizational budgeting goals and developed customer relationship programs to enhance client satisfaction and retention.
01/20 – 03/21	**Malaga, Madrid, (Spain).** *Design and Construction Senior Consultant.* Responsible for designing implementation strategies and developing mitigating strategies. Led three retail projects in various locations in Spain (Malaga and Madrid) from Texas, showcasing her ability to manage strong client relationships remotely. Guaranteed the viability of projects and monitors their financial evolution. Coordinated activities and maintains clear communication ***across multiple teams. Identified client needs and creating project mappings based on those needs.***
08/06 – 01/13	**Public Infrastructures,** *Project Manager.* Responsible for managing projects and staff. Also prepared, designed, and reviewed architectural plans, ensuring compliance with client guidelines. Developed site instructions such as information bulletins, responded to requests for information (RFIs), and reviewed shop drawings. Issued field and site review reports, addressing deficiencies and documenting progress.
08/08 – 09/09	**Historical Heritage Department, City Hall of Ibiza, Ibiza, ES.** *Senior Consultant.* Worked as part of the "World Heritage City Department and Rehabilitation Area" responsible for the Integral Rehabilitation Area. ***Focused on ensuring compliance with the regulations set*** by the UNESCO Committee for Integrated Rehabilitation Areas.
08/06 – 08/08	**Public Infrastructures, Balearic Island Goverment, Ibiza, Spain**. *Construction Manager.* Responsible for leading several main projects, including the restoration of the Archeological Museum, the construction of an 8,800 square meter Alzheimer Hospital, the development of a Sports Facility Center, the construction of Schools, the restoration of the St. Tomas Church, and multiple heritage façade restorations.

Firm employed by. ARCADIS

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



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

Experience dates	Experience and qualifications relevant to the proposed contract
04/24 – Ongoing	**LADOTD Safety Section Support - LADOA General Services Staff Augmentation Contract, LADOTD, Statewide, LA.** *Data Analysist.* Supporting Highway Safety Section and CARTS (LSU Center for Analytics & Research in Transportation Safety) focus groups to design and ***develop a linear referenced enterprise Intersections data model*** to meet the needs of various stakeholders at LADOTD. Established database schemas, datasets, tables, and methodologies that supported Intersections data migration and development, and demonstrated Intersection Program goals and concepts to stakeholders across the agency. Developed an Intersection and Intersection Leg data model to conform department data to MIRE 2.0 standards including fundamental data elements (FDEs).
06/18 – 10/19	**I-10 Queue Warning Systems Engineering Analysis (SEA) and Feasibility Study, LADOTD, Baton Rouge, Louisiana.** *Probe Data and GIS Analyst*. Developed the first of its kind ITS SEA for the evaluation of a Queue Warning system on I-10 eastbound. Required evaluation of traffic probe data as well as LADOTD's ***crash data using GIS and electronic dashboarding tools*** to identify existing traffic conditions.
01/14 – 01/18	**Retainer Contract for an Enterprise LRS System Development, LADOTD, Statewide, Louisiana.** *GIS Analyst*. Responsible for the implementation of an Enterprise Linear Referencing System (LRS) using ESRIs Roads & Highways. Participated in discovery meetings, development of existing conditions report, ***development of initial R&H database model and implementation of a Statewide Enterprise LRS***. Local point of contact and associate project manager for the retainer contract.
02/13 – 07/14	**Enterprise LRS Business Process Review and Database Design Arizona Department of Transportation, Phoenix, Arizona.** *GIS* Analyst. Worked as part of the project team to design and implement ***an Enterprise Linear Referencing System (LRS) using the ESRI Roads and Highways platform (RNH)***. Evaluated the needs of the LRS system within ADOT. Tested tool sets, geoprocessing functions, models, datasets, schemes, and other elements within RNH to identify practical methods of migration to RNH from ADOT's current system. Modified, modeled, processed, and prepared datasets for migration into RNH.
01/10 – 01/11	**City-Parish Enterprise LRS System Development, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, Louisiana.** *GIS Analyst.* Responsible for the ***implementation of an Enterprise Linear Referencing System using Geomedia and Oracle Spatial***. Conducted business requirements and needs assessment, design, build, and implementation of a parish wide LRS.

Firm employed by. ARCADIS

Name	**Sothon Men**	Years of relevant experience with this employer	23
Title	CADD Tech	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		AA / 2005 / CADD Design / Southeast College of Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**GIS / CADD**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Sothon Men is an engineering technician with more than **28 years of experience with CADD**. His expertise includes **computer aided drafting and design (CADD) and Microstation** in all aspects of civil, structural, and electrical projects. He has prepared CADD drawings and plans for more than 200 civil/environmental/structural design projects.
10/15 – 01/18	**North Bayou Black Drive, Hanson Canal Bridge, LADOTD, Off-System Highway Bridge Replacement Program, Terrebonne Parish, LA.** *CADD Designer*. Provided all necessary engineering and related services required for developing plans for the replacement of an off-system highway bridge. Duties included the calculation of earthwork quantities using Land Desktop software, ***plan and profile***, ***cross-sections***, and the ***merging of drawings*** into MicroStation software.
09/08 – 07/10	**El Camino East-West Corridor EA, LADOTD, Natchitoches Parish, LA.** *CADD Technician*. Provided all CADD-related services for ***project drawing preparation.*** Arcadis prepared an EA for the proposed widening of an 8.28-mile section of LA 6 in Natchitoches Parish between I-49 and Robeline.
01/11 – 01/12	**Seabrook Sector Gate Complex, USACE New Orleans District Hurricane Protection Office (HPO), New Orleans, LA.** *Lead Technician*. Involved in ***developing construction plans*** for a 95-foot wide sector gate structure and two vertical lift gates (100-year level of protection), T-wall tie-ins, and cofferdam system. Design software packages were Bentley Microstation and Bentley GeoPack.
12/10 – 04/12	**US 84 Improvements from Sabine River to LA 5, LADOTD and TxDOT, Logansport, LA.** *Design Technician*. Preparation of all structural CADD drawings including ***general plan layout***, ***plan and profile***, girder layout, and all substructure details.
01/16 – 01/18	**Triborough Bridge and Tunnel Authority of New York Metropolitan Transportation Authority, New York.** *Design Technician*. Provided design support on a Design-Build project for the New York Transit Authority. Judlau Construction contracted Arcadis to design primary deployable flood protection barriers and secondary closure gates for the tunnels. ***Bentley Microstation*** was used.
02/11 – 05/12	**SH 31 Bridge Design, TXDOT, Waco, Tx.** *CADD Technician*. Responsible for structural design, ***plans preparation and quantity estimates*** as per LRFD spec. for six TxDOT bridges on Highway SH 31 (over Navasota River, overpasses over FM 1330 & FM 339). Bridge lengths varied from 130 – 240 ft and featured pre-stressed U beams & Type C girders on concrete bents founded on drilled shafts.

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

17

With decades of experience in the Gulf Coast region, our partner, **Eustis Engineering L.L.C.,** provides geotechnical expertise for projects of all sizes and levels of complexity. When challenges arise during a project, they've often already seen them and solved them in another construction project. This is a huge advantage in meeting time and cost objectives. Eustis Engineering has more than 24,000 projects and retains the historical data from each.





Eustis Engineering has been actively involved in the Port of New Orleans - Louisiana International Terminal since 2021— providing a comprehensive range of geotechnical and materials testing services.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic, Road, Bridge
Project name	**US 11 Norfolk Southern Railroad Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project number	H.000688.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	St. Tammany Parish, LA	Owner's Project Manager	Sara Moss, PE
Owner's address, phone, email	1201 Capitol Access Rd, RM 602-L, Baton Rouge, LA 70802; 225 379 1331, sara.moss@la.gov		
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost ($1,000's)	$768
Services completed by this firm (mm/yy)	12/24	Cost of consultant services provided by this firm ($1,000's)	$716

Firms Role: LADOTD contracted Arcadis to prepare an ***Environmental Assessment*** for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell, LA. The project goal was to promote mobility and safety along the corridor.

Firm Members Involved: **Akhil Chauhan, Ari Deitch, Badre Enam, David Fulks, Jan Hughes, Jason Morrell**

Preliminary Roadway and Bridge Design: Arcadis performed all engineering services including roadway and bridge ***line and grade and geometric design***, railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions, 3D design modeling of existing terrain, railroad full-build condition, and bridge and ***roadway typical sections and geometric layouts*** for improvements. Design drawings were used to accurately determine earthwork, construction limits, required right-of-way, and ***construction cost estimates***.

Relevant Services

- Alternative Screening
- Preliminary Roadway and Bridge Design
- Line and Grade
- Environmental Assessment
- Construction Cost Estimates
- Public Involvement
- Agency Coordination

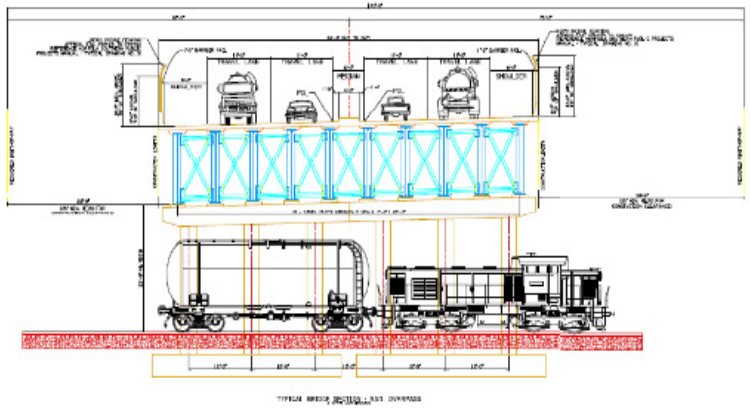


Figure: Proposed US 11 bridge typical section and railroad clearance.

Context Sensitive Design: The design includes ADA compliant curb ramps and crosswalks to incorporate the existing sidewalks and accommodate pedestrian traffic. Sufficient space was included within the roadway border for the future installation by the City of Slidell of a ***multi-use path to accommodate bicyclists***. Finally, access to existing businesses was carefully balanced within the requirements of the LADOTD Access Management Policy.

Planning and Environmental: Arcadis completed technical studies to support the Environmental Assessment including ***wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation***. Additional studies and coordination completed for the project included a Phase I Cultural Resource Survey and Reporting and Public Involvement requiring ***public information meetings and a public hearing*** for the Environmental Assessment. The results of technical studies and public involvement were summarized in the Environmental Assessment to support a Finding of No Significant Impacts (FONSI). ***FHWA approved the Finding of No Significant Impact (FONSI)*** for the project in August 2022 and Arcadis worked with DOTD to prepare the FONSI re-evaluation for FHWA approval.

17 FIRM EXPERIENCE:

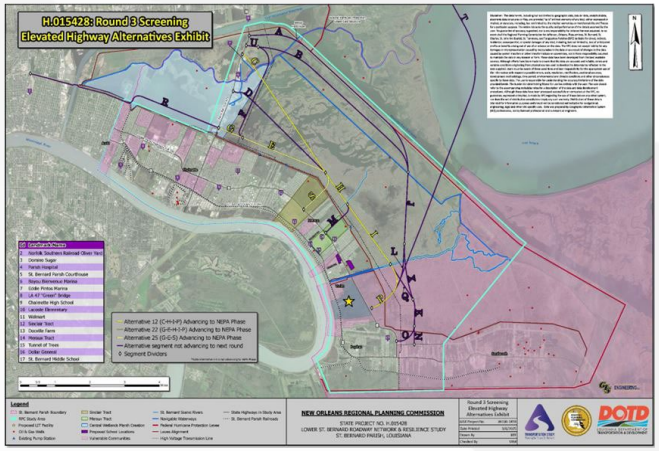
Firm name	GIS ENGINEERING LLC	Past Performance Evaluation Discipline(s)*	Environmental, Planning
Project name	**Lower St. Bernard Roadway Network & Resiliency Study**	Firm responsibility (prime or sub?)	Prime
Project number	H.0015428.0	Owner's name	New Orleans Regional Planning Commission (NORPC)
Project location	St. Bernard Parish	Owner's Project Manager	Karen Parsons (retired)
Owner's address, phone, email	10 Veterans Blvd, New Orleans, LA 70124; 504 483 8528, jroesel@norpc.org		
Services commenced by this firm (mm/yy)	10/23	Total consultant contract cost ($1,000's)	$2,373
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm ($1,000's)	$332

Firms Role: GIS Engineering prepared the environmental summary and checklist as part of the Lower St. Bernard Transportation Network Feasibility Study. This ***Stage 0 Feasibility Study*** aimed to evaluate impacts and assess potential improvements to the surface transportation network in St. Bernard Parish relating to the implementation of the proposed Louisiana International Terminal (LIT) project in Violet, LA. The purpose of the project is to ***identify needed transportation infrastructure improvements and roadway network improvements*** in the lower St. Bernard Parish area resulting from the proposed development and expansion over time of the LIT, specifically between the I-510/LA 47 corridor and lower St. Bernard Parish.

Relevant Services

- Alternatives Development & Screening
- Agency & Stakeholder Coordination
- Rail Coordination
- GIS Database Management
- Public Engagement
- Stage 0 Feasibility Study

Firm Members Involved: Jacob Loeske, Mohan Menon



Stage 0 Feasibility Study: The Study incorporated a ***robust community engagement*** process to support evaluation of roadway and rail improvements associated with the proposed LIT. GIS organized and facilitated ***two formal public hearings and staffed information tables at two community events***, engaging residents, business owners, and public agencies to gather feedback on conceptual alternatives development and potential environmental and transportation impacts. ***Twenty-five (25) build alternatives were developed for the elevated highway concept and screened to three (3) alternatives*** to move into the Stage 1 Environmental Document. Improvements to existing infrastructure were evaluated by analyzing traffic volumes, both, with and without the proposed elevated highway alternatives. To facilitate a comprehensive and streamlined planning process, this ***study incorporated the Planning and Environmental Linkages (PEL) approach***, aligning with 23CFR450.318 to facilitate the early consideration of environmental, community, and economic factors in transportation decision-making. All final report documents can be found at https://www.norpc.org/transportation/projects/lower-st-bernard-parish-la-roadway-network-resilience-study/



17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Environmental, Traffic, Road
Project name	**I-49 SEIS Richoc to Berwick**	Firm responsibility (prime or sub?)	Prime
Project number	H.011328	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	St. Mary Parish, Louisiana	Owner's Project Manager	Corey Landry
Owner's address, phone, email	1201 Capitol Access Rd., Room 201E, Baton Rouge, Louisiana 70802, 225 379 1889, corey.landry@la.gov		
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost ($1,000's)	$2,593
Services completed by this firm (mm/yy)	09/25	Cost of consultant services provided by this firm ($1,000's)	$2,080

Firm's Role: Arcadis was contracted to prepare a ***Supplemental Environmental Impact Statement*** (SEIS) for LADOTD along a 10-mile segment of Future I-49 South (existing US 90) between Richoc and Berwick in St. Mary Parish. Previously, an Environmental Impact Statement with Record of Decision (ROD) was completed for this section of future I-49. The scope of the SEIS is to ***investigate alternatives that will facilitate a more feasible and cost-effective solution*** for upgrading this section of roadway to interstate standards. The project will require the provision of interchanges for the new interstate and re-configuring the existing networks within the project limits to accommodate control-of-access for the new I-49.

Relevant Services

- Alternative Screening Analysis
- Traffic Data Collection
- Micro-simulation model development
- Tier 1 and 2 Traffic Analysis
- Safety Analysi
- Preliminary Geometric Design/ Concept Layouts

Firm Members Involved: **Akhil Chauhan, Ari Deitch, David Fulks, Jason Morrell**

Traffic Engineering - Arcadis completed ***Tier 1 and 2 traffic analysis*** for the project, including assessment of existing conditions, evaluation of potential interchange alternatives, and geometric design/conceptual layouts. Factors evaluated included network accessibility/connectivity, local network upgrades, wetland impacts, control of access, and the built environemnt to determine the initial feasibility of alternatives. ***A wide range of alternatives were developed and analyzed through a tiered, data driven process***. A multi-phase Tier 1 analysis was performed to determine the alignment, location of interchanges, and interchange configurations. The selected alternatives were then organized into three (3) corridor-wide alternatives for Tier 2 and analyzed in detail using HCS 7 and Sidra (for roundabouts). A detailed capacity analysis was performed for the I-49 mainline, interchange ramps, and intersections within the arterial network. ***All of the alternatives provided acceptable operations under Design Year Build Conditions.*** A Traffic Engineering Report was prepared detailing the results of the traffic analyses and approved by DOTD.



Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland).
Note: Developed Parcels not considered Prime Farmland

In addition to traffic analysis, the scope of services for this contract included a line and grade study, conceptual design, alternatives screening analysis, air and noise analysis, Highway Safety Manual analysis, land use, socio-economic/community impacts, Phase I ESA, public and stakeholder outreach/meetings, agency coordination, SEIS, scope and budget development and cost estimates. LADOTD choose to suspend the project in 2025 due to lack of projected long-range funding.

17 FIRM EXPERIENCE:

Firm name	URBAN SYSTEMS inc.	Past Performance Evaluation Discipline(s)*	Traffic
Project name	**Violet Terminal Traffic Study / LIT Peak Construction Traffic Addendum**	Firm responsibility (prime or sub?)	Prime
Project number	W5-607; 25-052	Owner's name	Port of New Orleans
Project location	Violet, LA	Owner's Project Manager	Anthony Evett; Andy Thiess
Owner's address, phone, email	P.O. Box 60046, New Orleans, LA 70160, 504 528 3309, anthony.evett@portnola.com		
Services commenced by this firm (mm/yy)	04/21; 09/25	Total consultant contract cost ($1,000's)	$157; $80.5
Services completed by this firm (mm/yy)	Ongoing (Hold); Ongoing	Cost of consultant services provided by this firm ($1,000's)	$157; $80.5

Firm Members Involved: Alison Michel, Matthew Morgan, Nicole Stewart

The new Port of New Orleans (PONO) Louisiana International Terminal (LIT) is proposed on the east bank of the Mississippi River in Violet, LA. An initial high-level study was conducted in 2021 to analyze potential impacts that the LIT may have on the direct vicinity of the proposed LIT, considering multiple build phases and terminal configuration alternatives.

Since commencing the initial high-level study, LIT trip volumes were revised to reflect COVID-19 effects on terminal growth projections. The proposed development at its peak is projected to increase both truck traffic and passenger vehicles along major state highways in St. Bernard Parish.

The ***study was expanded to include all signalized intersections*** along E Judge Perez Dr and Paris Rd between the proposed LIT terminal and I-510 (the primary terminal access route). ***Operational analysis*** was conducted using HCS 7 software for base conditions and opening year (2028). A ***design life analysis*** was also conducted to identify potential improvements to the study area between 2028 and 2050.



A draft report summarizing the study findings was prepared and submitted to PONO. Additional tasks were requested by PONO to ***identify potential impacts that LIT's train activity may have on study area intersections***; this task is currently in progress.

LIT Peak Construction Traffic Addendum. Urban Systems, Inc. prepared an addendum to the November 2024 Traffic Impact Analysis to ***evaluate the impacts of peak construction traffic*** associated with the proposed LIT. The study used previously collected traffic counts, supplemented with new turning movement data at LA 46 and Archbishop Hannan Boulevard, to ***assess how construction worker trips would affect operations*** on Paris Road (LA 47), E. Judge Perez Drive (LA 39), and E. St. Bernard Highway (LA 46). Urban Systems prepared a draft addendum, coordinated with PONO and LADOTD, incorporated comments, and submitted a stamped final report. The addendum also included a traffic signal warrant analysis for the PONO main entrance on E. Judge Perez, with additional traffic control recommendations provided if a signal is not warranted.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Traffic, Environmental, Road, Bridge
Project name	**Kansas Lane – Garrett Road EA/IMR and Roundabout Analysis**	Firm responsibility (prime or sub?)	Prime
Project number	SP No. 700-37-0119 FAP No. IM-3704(508)	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Ouachita Parish, Louisiana	Owner's Project Manager	Quang "Wayne" Nguyen
Owner's address, phone, email	1201 Capitol Access Road Baton Rouge, LA 70802, 225 379 1957, quang.nguyen@la.gov		
Services commenced by this firm (mm/yy)	09/09	Total consultant contract cost ($1,000's)	$871
Services completed by this firm (mm/yy)	03/11	Cost of consultant services provided by this firm ($1,000's)	N/A

Firm's Role: Analysis of five (5) roundabouts; Interchange Modification Report (IMR); line and grade study; traffic analysis; noise analysis; alternatives development; ***Environmental Assessment (EA)***.

Firm Members Involved: **Akhil Chauhan**

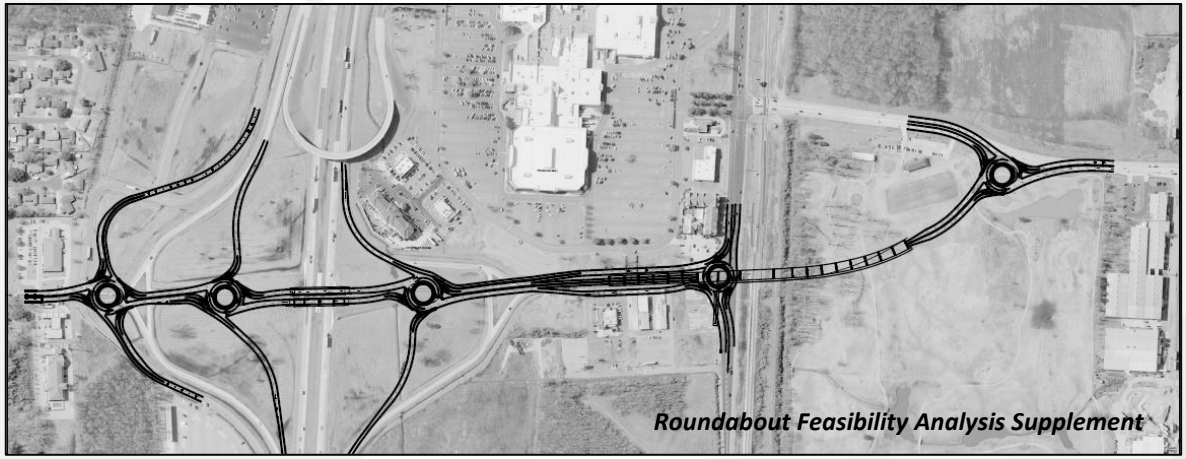
To address congestion, mobility and connectivity, LADOTD proposed improvements to the Kansas Lane/Garrett Road connection and the Garrett Road/I-20 interchange that would include a crossing of the KCS railroad. The project was proposed to address increased traffic congestion associated with commercial development associated with a regional shopping mall and big box retail in addition to several new developments in the region.

Following rapid negotiations, the project team worked closely with LADOTD and FHWA to develop four (4) new concepts and refine six alternatives. Arcadis ***conducted a tiered traffic analysis identifying fatal operational flaws before completing the detailed traffic analysis***. Projected traffic operations resulted in additional concept evaluation and optimization. Analysis of the railroad crossing included consideration of a tunnel versus overpass as well as alternative locations for the existing at-grade crossing.

Relevant Services

- ROW Impact Minimization
- Railroad At-Grade and Elevated Crossing Design
- Cost Minimization and Construction Phasing Analysis
- Stakeholder Coordination

By incorporating and refining ***value engineering recommendations for the overpass bridge and approaches***, adjustments were made to the design to reduce costs. Pedestrian access to the adjacent Pecanland Mall area at grade and on structure was incorporated in the project alternatives development and refinement. Several unique alternative configurations for the Garrett and Millhaven intersection were proposed by LADOTD. Arcadis utilized Synchro to model traffic operations and signalization options, and SIMTraffic to address queuing and weaving issues. The contract was supplemented in the fall of 2013 to include roundabout analysis in compliance with LADOTD EDSM V.1.1.5 (Analysis) and EDSM V.1.1.6 (Design) for six separate intersections within the study area.



Roundabout Feasibility Analysis Supplement

17 FIRM EXPERIENCE:

Firm name	CDM Smith	Past Performance Evaluation Discipline(s)*	Planning
Project name	**Lower St. Bernard/Lousiana International Terminal Roadway, Stage 0 Feasibility Study**	Firm responsibility (prime or sub?)	Sub
Project number	H.0015428.0	Owner's name	New Orleans Regional Planning Commission (NORPC)
Project location	East Baton Rouge and Livingston Parishes, LA	Owner's Project Manager	Karen J. Parsons
Owner's address, phone, email	10 Veterans Blvd, New Orleans, LA, 70124; 504 483 8511 (Office), 504 615 8782 (Cell)		
Services commenced by this firm (mm/yy)	12/2023	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	04/2025	Cost of consultant services provided by this firm ($1,000's)	$155 (Stage 0)

Firm Members Involved: **David Aron, Carleen Flynn, Richard Tillery, Zoran Todorovic**



The Lower St. Bernard/Louisiana International Terminal (LIT) Roadway Feasibility Study began in response to the transportation needs created by the proposed Port of New Orleans (PONO) LIT. The project aims to improve roadway connectivity, strengthen system resilience, and support the expected growth in travel demand and freight activity throughout the region. GIS Engineering, Inc. commissioned the study, and CDM Smith served as the subconsultant responsible for technical analysis and recommendations.

CDM Smith ***evaluated three (3) alternative routes for the proposed access road to the terminal***. The concept features a two-lane toll facility that connects I-510 and US 90 via Paris Road (LA 49). Most of the route would operate as a mid-level elevated structure crossing Bayou Bienvenue. The project seeks to provide direct access to the terminal and reduce congestion on existing roadways in Chalmette, Meraux, and Violet, Louisiana. It also supports the movement of truck traffic carrying the 300,000 to 1.2 million containers expected to move through the terminal each year on post-Panamax vessels. The terminal's location south of the Crescent City Connection Bridge addresses ship-clearance constraints that limit larger vessels.

The ***Stage 0 Feasibility Study*** included several key tasks:

1. **Travel Demand Modeling**: Using the SELATRAM Model, CDM Smith forecasted travel demand based on updated land-use datasets from the NORPC and the PONO. The model incorporates population, employment, and truck trip projections to ***assess the terminal's effect on the regional transportation network***. CDM Smith coded proposed highway network changes into the model and analyzed multiple scenarios to forecast future traffic volumes.
2. **Toll Feasibility Study**: CDM Smith completed a sketch-level tolling analysis using the Cube Voyager platform. The work included developing toll-pricing schemes, identifying potential tolling locations, and forecasting annual net revenue for 2050. The analysis considered capital and operating costs and ***evaluated the bonding capacity of the proposed connector relative to its capital needs***.

The study provided the PONO with valuable insight into the facility's potential performance as a toll facility, intended solely for planning purposes.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environment
Project name	**US 90 Chef Menteur Bridge Environmental Assessment**	Firm responsibility (prime or sub?)	Prime
Project number	H.000263.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Orleans Parish, LA	Owner's Project Manager	Nikki Leon / Irina Sorset
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 242 4514, nikki.leon@la.gov (irina.sorset@la.gov)		
Services commenced by this firm (mm/yy)	08/11	Total consultant contract cost ($1,000's)	$1,118
Services completed by this firm (mm/yy)	11/14	Cost of consultant services provided by this firm ($1,000's)	$879

Firms Role: Arcadis was contracted by LADOTD to evaluate bridge design alternatives to replace the existing US 90 swing- span bridge over Chef Menteur Pass in Orleans Parish as part of an National Environmental Policy Act (NEPA) ***Environmental Assessment***. Both movable - and fixed-span designs were considered along with three preliminary alignments.

Firm Members Involved: **Akhil Chauhan, David Fulks**

Line and Grade Study - As part of the Environmental Assessment, Arcadis completed a ***line and grade study*** to determine the vertical and hortizontal geometry, bridge and roadway typical sections, utility and ROW impacts and ***construction cost estimates***.

Relevant Services

- Geometric Design of Roadway and Bridge
- Line and Grade Study
- Roadway and Bridge Typical Sections
- Local Access Connections
- Bridge type / Lifecycle Cost Assessment
- Construction Cost Estimate
- Stakeholder and Agency Coordination



Key Challenges - The challenges were to minimize impacts to abutting Venetian Isles subdivision, while also avoiding or minimizing effects to the Fort Macomb and state parkland, terrestrial and submerged archaeological sites, and the Bayou Sauvage National Wildlife Refuge. From an engineering perspective, the project site posed notable challenges associated with Chef Menteur Pass tidal flows that have resulted in substantial scour and increased potential for vessel collisions.

Project Approach - The approach identified the schedule's critical path items, including a post-Katrina vessel height study update, a remote sensing of Chef Menteur Pass to identify submerged cultural resources and to ascertain bathometric data, and early coordination and approval of the design criteria to adequately address the mixed-use in the vicinity of the bridge. In accordance with the ***LADOTD Complete Streets Policy***, this project queried and incorporated comments from New Orleans bicycle representatives, who recognize US 90 as the only bicycle route between New Orleans and the state line. Arcadis delivered ***access management solutions to address local mobility needs***. Private access connections (driveways) were minimized by providing interconnectivity and shared driveways among residential, commercial, and park properties. With nearly 10 stakeholder and agency meetings over the first two months of the contract, the ***team was aggressive with early outreach and continuous coordination with both agencies and the public***.

17 FIRM EXPERIENCE:

Firm name	EUSTIS ENGINEERING L.L.C. SINCE 1946	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Louisiana International Terminal**	Firm responsibility (prime or sub?)	Prime
Project number	EE 24618.00-.12	Owner's name	Port of New Orleans
Project location	Violet, Louisiana	Owner's Project Manager	Anthony Evett, P.E.
Owner's address, phone, email	1350 Port of New Orleans Place, New Orleans, Louisiana, 504 528 3305, Anthony.evett@portnola.com		
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$3,644

Firm Members Involved: Travis Richards, Ryan Rodrigue, Lawrence Rome, and Patrick Thurmond

Eustis Engineering L.L.C. has been ***actively involved in the Port of New Orleans - Louisiana International Terminal project since 2021.*** 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 the necessary data for the design and construction of the terminal's infrastructure. The scope of work involves:

Geotechnical Exploration: Eustis Engineering conducted extensive geotechnical explorations to gather data on the soil and subsurface conditions at the project site. This includes performing ***cone penetration tests (CPTs)*** and soil borings to various depths to assess the soil's properties and behavior under different loading conditions. These explorations occurred over land and water.

Data Analysis and Reporting: The data collected from the geotechnical explorations were meticulously analyzed to develop a comprehensive understanding of the site's subsurface conditions. Eustis Engineering prepared detailed ***geotechnical data reports and design reports*** including recommendations for foundation design, soil stabilization, and other critical aspects of the project.

Relevant Services

- Coordination with PortNOLA, DOTD, USACE and other agencies
- Geotechnical Exploration and Laboratory Testing
- Levee District/USACE Permit for Exploration
- Instrumented Test Sections
- Dynamic Pile Testing and Interpretation
- DOTD and AASHTO Standards
- Alternative Screening

Load Testing and Monitoring: Eustis Engineering conducted static and dynamic load tests to evaluate the performance of the proposed foundation systems. This includes monitoring the behavior of the soil and foundation elements under different loading conditions to verify they meet the project's design criteria. This includes test piles instrumented with strain gauges to assess load distribution.

Test Embankment Design, Instrumentation, and Monitoring. Our geotechnical instrumentation services are essential for understanding the subsurface conditions and providing the necessary data for the design and construction of the terminal's infrastructure. Types of instrumentation and their use include Piezometers (to assess groundwater conditions and their impact on the soil's behavior, Settlement Plates (to observe the magnitude and rate of settlement to calibrate theoretical models), Inclinometers (to measure the lateral movement of the soil to detect potential slope instability or lateral soil movement), Extensometers (to measure the deformation of the soil to predict performance of the foundation systems), and Data Loggers employed to allow for real time monitoring and analysis of the selected instruments.

Eustis Engineering's contributions to the Port of New Orleans - Louisiana International Terminal project also include construction materials testing (CMT). This includes ***testing of soils used as embankment fill*** for the test surcharges and on-site observations of the clearing, stripping, and site preparation activities at the test embankment sites. In addition, our CMT technicians log the installation of the driven concrete piles for the pile load testing program.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Bridge, Road, Traffic, Environmental
Project name	**US 165 Connector and Ouachita River Bridge EIS, Line and Grade and Toll Study**	Firm responsibility (prime or sub?)	Prime
Project number	4400004807 / H.004782	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Ouachita Parish, Louisiana	Owner's Project Manager	Rhonda Braud
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 242 4532, Rhonda.Braud@la.gov		
Services commenced by this firm (mm/yy)	05/12	Total consultant contract cost ($1,000's)	$1,981
Services completed by this firm (mm/yy)	04/14	Cost of consultant services provided by this firm ($1,000's)	$1,363

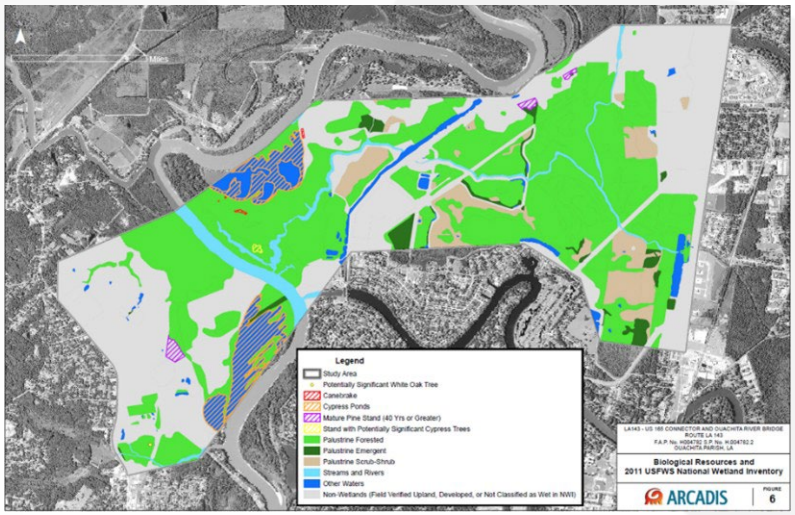
Firm's Role: Project management, conceptual design; alternatives development; bridge and road line and grade study; ***wetland impact analysis***; socio-economic/community impact considerations; ***toll study coordination***; air and noise analysis; Phase I ESA; stakeholder/public outreach; USCG Navigable Waterway coordination; traffic engineering & analysis, wetland delineation, agency coordination, ***USCG Navigable Waterway coordination, local levee board coordination***, threatened and endangered species review.

Firm Members Involved: **David Fulks; Akhil Chauhan; Josh Chatelain; Justin Maderia**

Relevant Services

- Traffic Engineering & Analysis
- Alternatives Analysis And Development
- Agency and Stakeholder Coordination
- Wetland Delineation/Biological Resources Survey
- USCG Navigable Waterway Coord.
- Levee Board Coord.
- Noise Modeling Analysis

The "4th Bridge" in Monroe has been discussed for over 40 years and will provide a vital transportation link in the northern region, where population and development continue to grow. The proposed bridge and its approaches will connect LA 143 to US 165, key north-south arterials for Ouachita, Union, and Morehouse parishes, and will serve as part of a future planned roadway around Monroe and West Monroe. Due to fiscal constraints, construction may need to be phased, and ***Arcadis identified phased implementation options and cost-effective construction methods***. The main challenge was selecting the least environmentally damaging, practicable crossing and approach alignment over the Ouachita River between LA 143 and US 165.



The project area, adjacent to the ecologically valuable Chauvin Bottomland Hardwood Swamp, has river meanders limiting pier placement to avoid navigation hazards. The team prioritized avoiding and minimizing wetland impacts and effects on the built environment, in coordination with the USCG, Tensas Basin Levee District, and USACE. ***A total of 183 unique alternative alignments were developed*** across three river crossings and evaluated using GIS data to balance wetland and structural impacts. ***After priority screening, three (3) corridors were selected for detailed study***, which included field assessments and modeling of existing and future traffic noise, noise barrier feasibility, and qualitative air impact analysis. A biological resources survey was conducted to verify wetland data and identify sensitive habitats and significant trees per LADOTD criteria, including areas important for the Louisiana black bear (*Ursus americanus luteolus*), red-cockaded woodpecker (*Picoides borealis*), bald Eagle (*Haliaeetus leucocephalus*), and golden Eagle (*Aquila chrysaetos*), which were avoided in developing the alternatives.

17 FIRM EXPERIENCE:

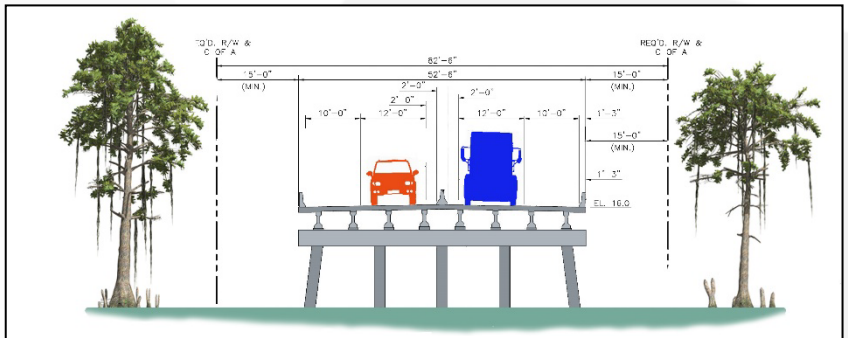
Firm name	N-Y ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic
Project name	**US 61 at Reserve to I-10 Port Connector Road Environmental Impact Statement (EIS) and Interchange Justification Report (IJR)**	Firm responsibility (prime or sub?)	Prime
Project number	PSLC-STJ	Owner's name	New Orleans Regional Planning Commission (NORPC)
Project location	St. John the Baptist Parish, LA	Owner's Project Manager	Jeffrey Roesel, AICP
Owner's address, phone, email	10 Veterans Blvd., New Orleans, LA 70124; 504 483 8528; jroesel@norpc.org		
Services commenced by this firm (mm/yy)	06/08	Total consultant contract cost ($1,000's)	$1,469
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$975

Firms Role: ***Environmental Impact Statement (EIS)*** and Interchange Justification Report (IJR).

Firm Members Involved: **Bruce Richards, Lydia Jemison, Michael Nicoladis, Jim Simmons**

N-Y was contracted by NORPC to complete an Environmental Impact Statement (EIS) for new roadway alternatives for port, commercial and local traffic to connect US 61 to I-10 in St. John Parish, LA including ***improved connectivity to the Port of South Louisiana***. The project includes the ***Development of Purpose and Need***, Alternatives Development and Consideration, Evaluation and Screening of the Initial Alternatives into Candidate Alternatives, Conceptual Designs and Cost Estimates of the Candidate Alternatives, and Impact Analysis of these Candidate Alternatives, and preparation of a Draft ***Environmental Impact Statement (DEIS)***.

An Interchange Justification Report (IJR) required by the FHWA and LADOTD and is being prepared prior to the preparation of the Final Environmental Impact Statement (FEIS) and Record of Decision (ROD). N-Y has completed the Draft EIS and the preferred alternative has been identified, which includes a new I-10 Interchange in St. John the Baptist Parish. N-Y is nearing completion of this IJR, which includes an ***Existing Network Study and a Phase II Alternative Study***, comprising a Tier 1 Alternative Analysis (which examined, evaluated and screened different types of interchanges), a Tier 2 Alternative Analysis (which analyzed and compared the remaining alternatives' operational performance and critical geometry) and the Tier 3 Functional Design (in which the selected interchange alternative was further developed in geometric form). As part of the IJR, a Potential ***Innovative Financing and Delivery Study*** is being completed. Both the EIS and IJR included ***Stakeholder and Public Meetings***. Upon FHWA evaluation and approval, the findings and analysis from the IJR will be incorporated into the Final EIS document.



Typical Section
Proposed Elevated Two-Lane Connector Road over wetlands



17 FIRM EXPERIENCE:

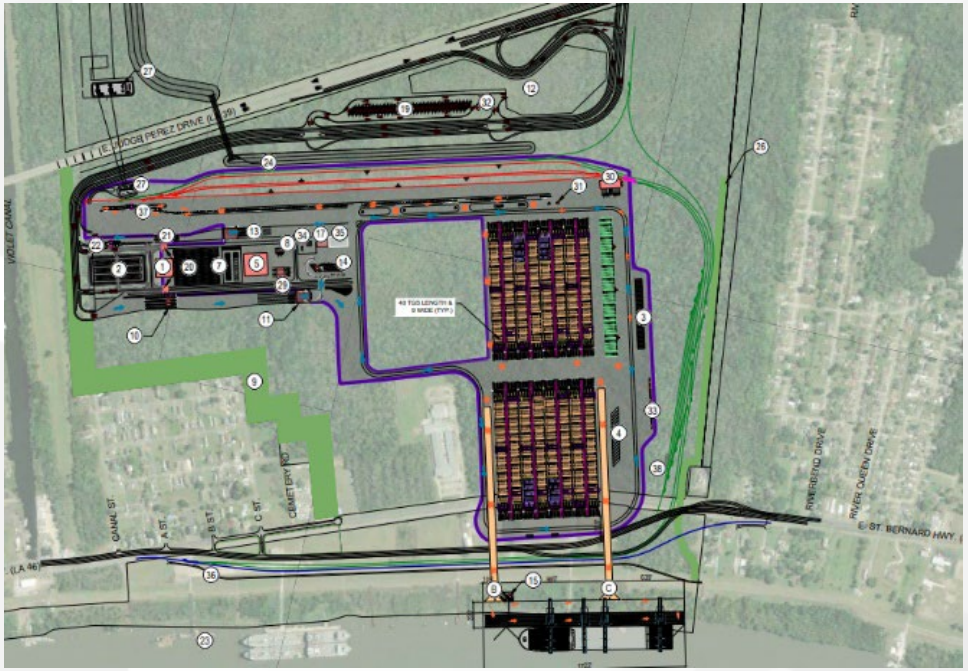
Firm name	URBAN SYSTEMS inc.	Past Performance Evaluation Discipline(s)*	Traffic
Project name	**Louisiana International Terminal (LIT) Data Collection**	Firm responsibility (prime or sub?)	Prime
Project number	2020-625	Owner's name	Port of New Orleans
Project location	St. Bernard , Louisiana	Owner's Project Manager	Chris Gilmore
Owner's address, phone, email	1350 Port of New Orleans Place, New Orleans, LA 70130; 504.528.3305; chris.gilmore@portnola.com		
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$238
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$238

Firms Role: Urban Systems provided a comprehensive traffic analysis to support PONO's logistical operations by assessing truck and rail impacts on key roadways and intersections. This study focused on ***evaluating truck distribution, rail crossing delays, and identifying mitigation measures to facilitate efficient and safe operations at critical intersections***, especially at Paris Rd and Judge Perez Dr.

Firm Members Involved: **Alison Michel, Nicole Stewart**

The project involved a high-level review of truck traffic data, validating client-provided data, and conducting trip distribution analysis for AM and PM peaks across various planning horizons (2028 and 2050). A qualitative assessment identified key areas of concern, with follow-up meetings to discuss findings and refine study focus.

For an updated ***LIT Traffic Study***, Urban Systems collected traffic movement count (TMC) data at ten study intersections, analyzed peak conditions, and conducted both ***existing and 2050 capacity analyses for No Build and Build scenarios*** using HCS software. The results were summarized in a comprehensive Measures of Effectiveness (MOE) table, with comparisons guiding discussions on potential mitigation measures. For Paris Rd at Judge Perez Dr, three (3) design alternatives were developed, analyzed, and presented to determine the best mitigation strategies. The impact of each alternative on roadway operations, right-of-way, and property access was captured in a comparison matrix.



Additionally, the ***rail crossing analysis evaluated train-induced delays at intersections*** along St. Bernard Hwy and Judge Perez Dr for peak periods and projected horizon years. Queuing analyses identified congestion points due to port-related trains, and the findings informed further recommendations.

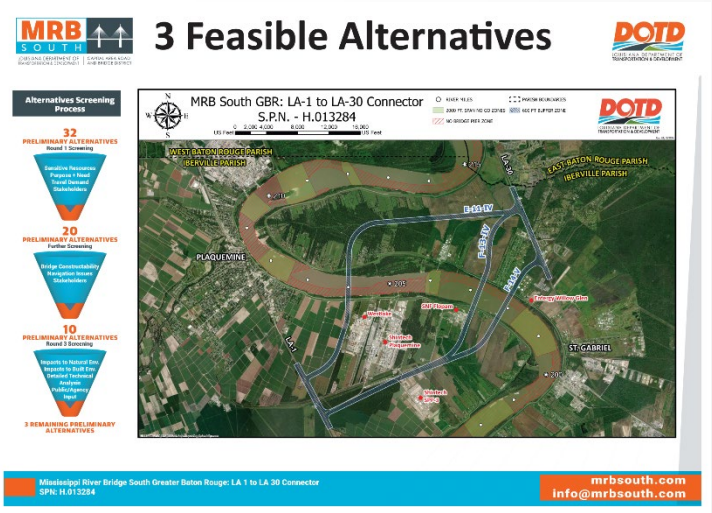
Urban Systems compiled these results into a draft LIT Traffic Study, capturing traffic conditions, potential impacts, and suggested mitigation strategies, which were refined based on client feedback for final submission. This report supports PONO's commitment to sustainable, efficient operations through 2050, balancing operational demands with community and infrastructure needs.

17 FIRM EXPERIENCE:

Firm name	CDM Smith	Past Performance Evaluation Discipline(s)*	Environmental, Planning
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, LA	Owner's Project Manager	Anna Choudhuri
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, 70802; 225 379 1025		
Services commenced by this firm (mm/yy)	07/2020	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1200 (Phases I & II)

Firm Members Involved: **David Aron, Richard Tillery, Wesley Blackwell, Zoran Todorovic**

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 an initial 32 potential alternatives to 10 that best met the project's purpose and need*** and achieved as many project goals as possible. Selected alternatives were presented to the public for input at six public meetings in Spring 2022. ***Based on public comments, the list was narrowed to three (3) alternatives*** by Summer 2022.

The project is now in Phase II of the DOTD Highway Project Delivery Process. Phase II includes a broader National Environmental Policy Act (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.

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 project 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.

17 FIRM EXPERIENCE:

Firm name	TBS T. BAKER SMITH	Past Performance Evaluation Discipline(s)*	Other (Subsurface Utility Engineering)
Project name	**LADOTD-IDIQ SUE Services Statewide Louisiana**	Firm responsibility (prime or sub?)	Prime
Project number	4400014661	Owner's name	Louisiana Department of Transportation and Development
Project location	Statewide, Louisiana	Owner's Project Manager	Steve LeBlanc, PLS
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802, 225.379.1956, steve.leblanc2@la.gov		
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)	$2,332
Services completed by this firm (mm/yy)	10/23	Cost of consultant services provided by this firm ($1,000's)	$2,332

Firm Members Involved: **TJ Stokes, Perry Smith, Jr., Kaleb Brooks**

T. Baker Smith (TBS) was awarded a statewide SUE retainer contract to provide services for LADOTD projects statewide. Multiple task orders for SUE work were issued and below is a partial list of Task Orders:

I-10 Calcasieu River Bridge. TBS provided ***Quality Level B and Quality Level A SUE services as well as Utility Coordination*** during Design for this project along I-10 in Lake Charles, Louisiana. The purpose of the project is to replace the existing I-10 bridge crossing Lake Charles. This is ***one of the largest SUE projects in the history of LADOTD***. There are numerous pipelines throughout the corridor due to the abundance of chemical plants in the area, so determining the location of these pipelines was crucial to the design of the project. Our team had to coordinate continuously with the pipeline owners to perform test holes on these facilities which slowed down the production rate of the field staff.

The City of Westlake utilities such as water, sewer, and gas proved to be difficult to locate and the records were outdated and unclear. A combination of designating, test holes, and ingenuity was used to properly map out these utilities. Utility coordination was used to communicate anticipated project impacts to each utility owner. ***A key challenge was the absence of a final design, which limited the team's ability to confirm and resolve utility conflicts***. In response, our team established a new utility coordination process and precedent to meet LADOTD's objectives

Project Relevance:

✓Subsurface Utility Engineering



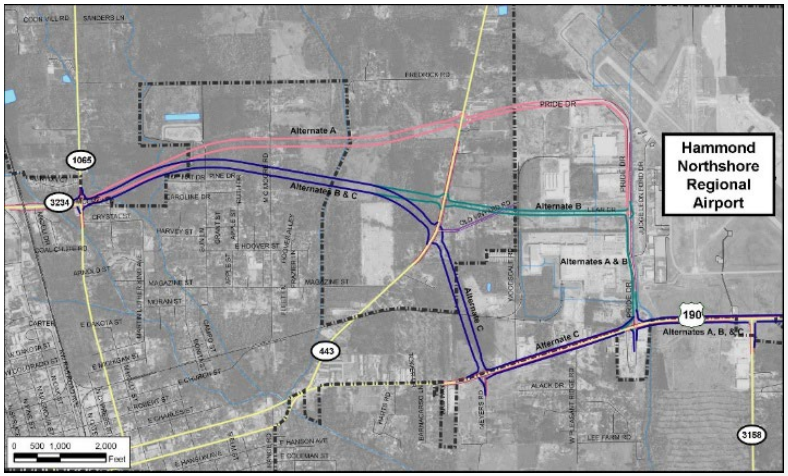
LA 549 Overpass at I-20. Located in Ouachita Parish, Louisiana, near the intersection of I-20 and Texas Avenue (LA 549), TBS provided Quality Level B services along a linear distance of approximately 4,055 feet. While most utilities proved locatable, the existing water lines were difficult to designate. TBS used a combination of probing and records review to determine the location of the water mains within the project limits.

Southern University Ravine Protection. Located in East Baton Rouge Parish, Louisiana, within the campus of Southern University, TBS performed Quality Level B and C services throughout the survey limits for an emergency ravine protection project. University campuses are a notoriously difficult environment to locate underground utilities and Southern's campus proved this theory correct. There were no record drawings available of the Southern University private facilities and associated utilities. TBS had to rely heavily on sweeps and diligently search for above ground connection features. Although part of the scope included delivery of Quality Level C services, the lack of available records limited the provision of QL-C services for certain areas.

17 FIRM EXPERIENCE:

Firm name	NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic, Road, Bridge
Project name	**LA 3234 Extension Environmental Assessment (LA 1065 to Hammond Airport)**	Firm responsibility (prime or sub?)	Prime
Project number	SPN. H.008915.2	Owner's name	LADOTD
Project location	Tangipahoa Parish, LA	Owner's Project Manager	Mark Chenevert, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225 379 1591; mark.chenevert@la.gov		
Services commenced by this firm (mm/yy)	09/16	Total consultant contract cost ($1,000's)	$941
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm ($1,000's)	$535

Firms Role: Engineering, environmental, and planning Services for a Stage 1 Environmental Assessment (including Concept Engineering Design) for extending LA 3234 in Tangipahoa Parish.

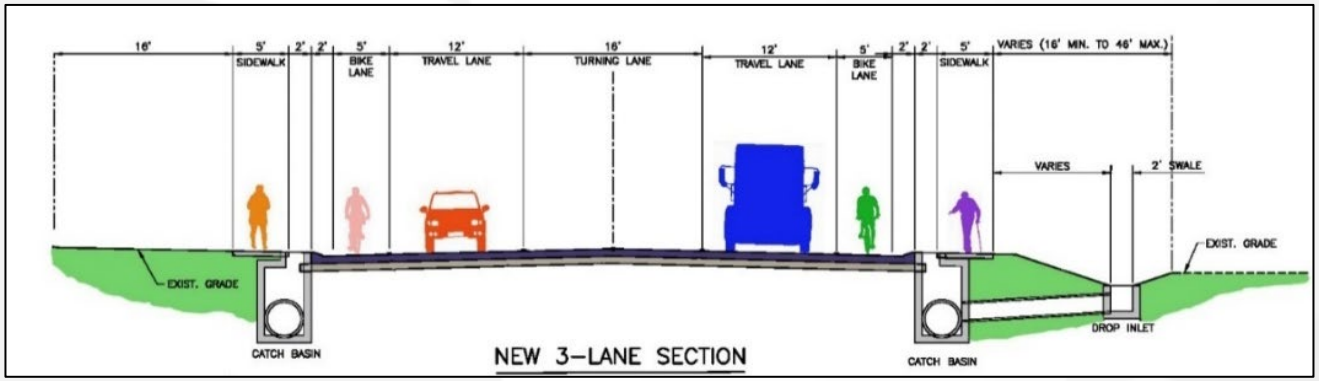


Firm Members Involved: Bruce Richards, Michael Nicoladis, Jim Simmons

LA 3234 is currently a four-lane roadway, ending at LA 1065. The extension of LA 3234 will ***support intermodal connectivity*** near Hammond Northshore Regional Airport. The project will improve east-west connectivity through Hammond by extending LA 3234 (East University Avenue) from its current terminus at LA 1065 (North Cherry Street) to Hammond Northshore Regional Airport, thus providing a direct link for vehicular and truck traffic to transit between the Airport and Interstate 55.

The ***Environmental Assessment*** includes:

- Traffic Analysis
- AlternativeDevelopment
- Conceptual Roadway (a new three-lane divided roadway) and bridge plans (pre-cast concrete girders)
- Cost Estimates
- Natural and Built Environment Impact Analyses, including wetlands
- Stakeholder Coordination
- Conceptual Relocation Plan
- Public Outreach Program



The preferred alternative includes Complete Streets roadway and bridge cross-sections which consist of two 12-foot travel lanes, a 16-foot turning lane, two five-foot bike lanes and five-foot sidewalks for pedestrians.

17 FIRM EXPERIENCE:

Firm name	GIS ENGINEERING LLC	Past Performance Evaluation Discipline(s)*	Planning, Environmental, Other (Navigation Study)
Project name	**MRB South GBR: LA 1 to LA 30 Connector**	Firm responsibility (prime or sub?)	Sub
Project number	H.000688.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	East Baton Rouge/Iberville Parishes, LA	Owner's Project Manager	Christina Brignac, PE
Owner's address, phone, email	1201 Capitol Access Rd, RM 602-L, Baton Rouge, LA 70802; 225 379 1331, Christina.brignac@la.gov		
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost ($1,000's)	$2,373
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$332

Firms Role: GIS Engineering is serving as a subconsultant to prepare an ***Environmental Assessment*** for a new Mississippi Bridge crossing that connects LA 1 to LA 30 south of I-10 river crossing and north of the LA 70 "Sunshine Bridge". The project goal is to increase capacity and mobility over the Mississippi River.

Firm Members Involved: Jacob Loeske, Mohan Menon

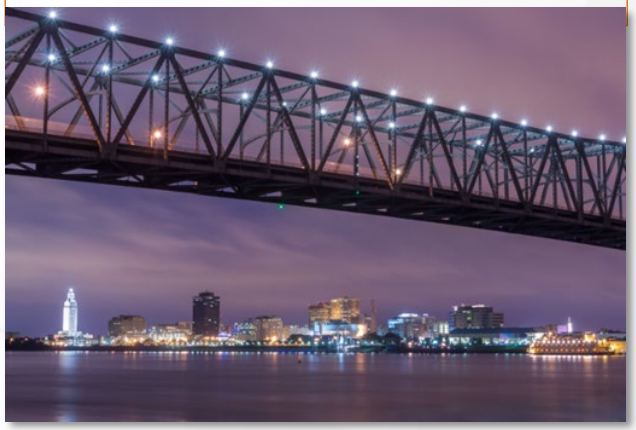
Navigation Study:

GIS Engineering performed the Navigation Study for the project which involves the following tasks:

1. Prepared a list of potential cooperating and participating agencies. ***Developed a preliminary agency coordination plan*** to present to cooperating and participating agencies for review and consensus. Updated the list of agencies and coordination plan throughout the project as needed.
2. Prepared a list of stakeholders and their contact information including, but not limited to, interested entities, governmental and elected officials, utilities, railroads, environmental groups, civic groups, and neighborhood associations. ***Developed a preliminary public involvement plan*** for review. Updated the list of stakeholders and public involvement plan throughout the life of the project.
3. Obtained and reviewed readily available, previous studies or plans for a new Mississippi River Bridge in the study area, whether an independent facility or as part of a larger facility, available through the Capital Region Planning Commission, one or more-member parishes, or the DOTD.
4. Assisted with conducting an iterative process of analyzing and assessing plausible alternative corridors that meet the preliminary Purpose and Need statement.
5. Assisted with conducting a ***preliminary environmental review of those corridors which meet the preliminary statement of Purpose and Need statement***. Identified the study area and assembled an environmental inventory including navigational constraints, environmental constraints, and demographics, using the most current data available; and prepared associated environmental inventory maps. Identified environmental or technical "showstoppers." ***Developed draft environmental screening methodology*** with collaboration from the USACE, USCG, and NOBRA Pilots.

Relevant Services

- Alternatives Screening
- Agency Coordination
- Navigation Study / Marine Traffic
- ArcGIS/Shapefile management
- Public Engagement
- Environmental Assessment



17 FIRM EXPERIENCE:

Firm name	COASTAL ENVIRONMENTS, INCORPORATED	Past Performance Evaluation Discipline(s)*	Environmental
Project name	**Stage 1 Enviornmental Assessment (EA), Hooper Rd Extension & Widening**	Firm responsibility (prime or sub?)	Sub
Project number	H.005403.2	Owner's name	LADOTD
Project location	East Baton Rouge and Livingston Parishes, LA	Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802, (225) 379-1733, Nicholas.Olivier@la.gov		
Services commenced by this firm (mm/yy)	05/12	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	06/15	Cost of consultant services provided by this firm ($1,000's)	$136.66

Firm Members Involved: Walker Wilson, Sara Hahn

Synopsis: The LADOTD proposed to widen and extend Hooper Rd (LA 408) from its existing terminus at LA 37/64 to LA 16 and construct a new bridge over the Amite River. CEI, subcontractor to N-Y & Associates, Inc., ***conducted surveys to document environmental effects of three (3) alternatives on wetlands, threatened and endangered (T&E) species, cultural resources and hazardous materials***.



Methodology/Results:

Wetlands and Threatened & Endangered Species: CEI biologists researched databases; coordinated with LDWF, USFWS and LDOTD biologists and conducted field surveys. A wetland delineation was prepared according to USACE criteria for three alternatives. ***A Wetland Findings Report was prepared according to FHWA criteria with results reported in the EA.***

CEI biologists consulted with USFWS, LDWF and LADOTD and conducted aquatic field surveys in vicinity of two alternative bridge crossings of the Amite River for the Alabama (inflated) heelsplitter mussel *(Lasmigona alabamensis)*.

Hazardous Wastes: A Phase I ESA survey was performed according to ASTM standards. No sites of environmental concern were identified.

Cultural Resources: A ***Cultural Resources Survey Report and Section 106 Adverse Effect Documentation*** were developed through field surveys of potential area of impact for three alternative sites and records searches at LA Division of Historic Preservation and Division of Archaeology. No archaeological remains were found and no archaeological sites were recorded. A total of 78 structures constructed before 1968 were examined and 63 of these were common to all alternatives. No structures was considered eligible for listing on the National Register of Historic Places.

Deliverables: Wetland Findings Report, Biological Assessment (Alabama [Inflated] Heelsplitter Mussel); Phase I ESA Report; Cultural Resources Survey Report, Section 106 Adverse Effect Documentation; sections of EA on wetlands, T&E species, cultural resources, hazardous materials.

17 FIRM EXPERIENCE:

Firm name	The HAWTHORNE AGENCY, INC.	Past Performance Evaluation Discipline(s)*	Other (Public Outreach)
Project name	**New Orleans Rail Gateway Program Jefferson Highway Rail Relocation Project**	Firm responsibility (prime or sub?)	Sub
Project number	H.005168	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Orleans and Jefferson Parishes, LA	Owner's Project Manager	Kevin Lawson
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802 / 225-379-3032 / kevin.lawson@la.gov		
Services commenced by this firm (mm/yy)	10/19	Total consultant contract cost ($1,000's)	$203
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$82

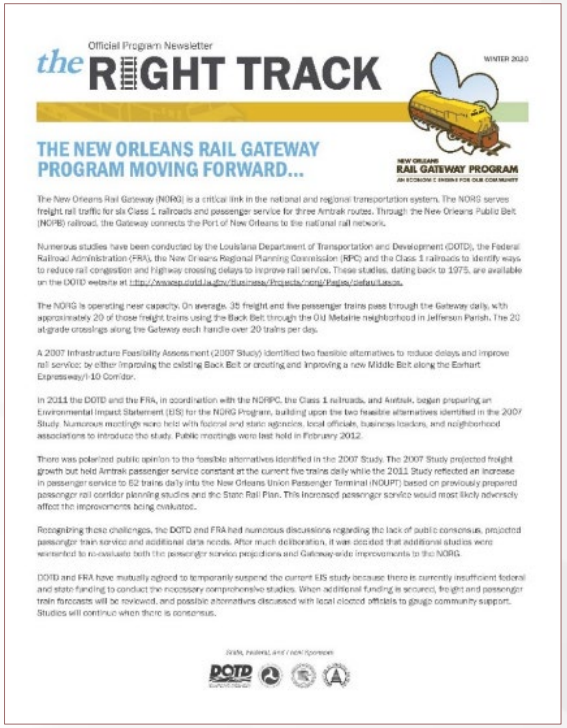
Firm's Role: The Louisiana Department of Transportation and Development and the Federal Railroad Administration, in coordination with the New Orleans Regional Planning Commission and the railroads operating in the New Orleans metropolitan area are preparing an ***Environmental Assessment*** as part of the New Orleans Rail Gateway Program for the Jefferson Highway Rail Relocation project. This project involves improvements to the at-grade highway-rail crossings located along Jefferson Highway (US 90) in Jefferson Parish, between Ochsner Health Foundation Hospital and Monticello Avenue.

Firm Members Involved: Geneva Coleman, Karimah Stewart, and Steven Pierre

The Hawthorne Agency, Inc. (THA) is executing strategic public outreach and involvement tasks to make certain the community is educated about the study and provided opportunities for meaningful participation.From designing and disseminating informational program newsletters, to ***facilitating agency, elected official, and public open house meetings***, THA is assisting the team in effectively carrying forth integral outreach tasks in accordance with National Environmental Policy Act guidelines.

Relevant Services

- Environmental Assessment
- Public Involvement
- Agency Coordination


Official Program Newsletter

the RIGHT TRACK

WINTER 2020

THE NEW ORLEANS RAIL GATEWAY PROGRAM MOVING FORWARD...

NEW ORLEANS RAIL GATEWAY PROGRAM

The New Orleans Rail Gateway (NORG) is a critical link in the national and regional transportation system. The NORG serves freight rail traffic for six Class 1 railroads and passenger service for three Amtrak routes. Through the New Orleans Public Belt (NOPB) railroad, the Gateway connects the Port of New Orleans to the national rail network.

Numerous studies have been conducted by the Louisiana Department of Transportation and Development (DOTD), the Federal Railroad Administration (FRA), the New Orleans Regional Planning Commission (RPC) and the Class 1 railroads to identify ways to reduce rail congestion and highway crossing delays to improve rail service. These studies, dating back to 1975, are available on the DOTD website at http://wwwsp.dotd.la.gov/Business/Projects/norg/Pages/default.aspx.

The NORG is operating near capacity. On average, 35 freight and five passenger trains pass through the Gateway daily, with approximately 20 of those freight trains using the Back Belt through the Old Metairie neighborhood in Jefferson Parish. The 20 at-grade crossings along the Gateway each handle over 20 trains per day.

A 2007 Infrastructure Feasibility Assessment (2007 Study) identified two feasible alternatives to reduce delays and improve rail service: by either improving the existing Back Belt or creating and improving a new Middle Belt along the Earhart Expressway/I-10 Corridor.

In 2011 the DOTD and the FRA, in coordination with the NORPC, the Class 1 railroads, and Amtrak, began preparing an Environmental Impact Statement (EIS) for the NORG Program, building upon the two feasible alternatives identified in the 2007 Study. Numerous meetings were held with federal and state agencies, local officials, business leaders, and neighborhood associations to introduce the study. Public meetings were last held in February 2012.

There was polarized public opinion to the feasible alternatives identified in the 2007 Study. The 2007 Study projected freight growth but held Amtrak passenger service constant at the current five trains daily while the 2011 Study reflected an increase in passenger service to 62 trains daily into the New Orleans Union Passenger Terminal (NOUPT) based on previously prepared passenger rail corridor planning studies and the State Rail Plan. This increased passenger service would most likely adversely affect the improvements being evaluated.

Recognizing these challenges, the DOTD and FRA had numerous discussions regarding the lack of public consensus, projected passenger train service and additional data needs. After much deliberation, it was decided that additional studies were warranted to re-evaluate both the passenger service projections and Gateway-wide improvements to the NORG.

DOTD and FRA have mutually agreed to temporarily suspend the current EIS study because there is currently insufficient federal and state funding to conduct the necessary comprehensive studies. When additional funding is secured, freight and passenger train forecasts will be reviewed, and possible alternatives discussed with local elected officials to gauge community support. Studies will continue when there is consensus.

DOTD

New Orleans Rail Gateway Program Newsletter

17 FIRM EXPERIENCE:

Firm name	EUSTIS ENGINEERING L.L.C. SINCE 1946	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Bayou Barataria Bridge**	Firm responsibility (prime or sub?)	Prime
Project number	H.004420.5/H.015028.6	Owner's name	Louisiana Department of Transportation and Development (LaDOTD)
Project location	Jefferson Parish, Louisiana	Owner's Project Manager	Kristy Smith
Owner's address, phone, email	5080 Florida Boulevard, Baton Rouge, Louisiana, 70806, 225 929 9133, kristy.smith2@la.gov		
Services commenced by this firm (mm/yy)	01/2021	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,107 (to date)

Firms Role: Responsible for ensuring the bridge's foundation and supporting structures are properly designed, tested, and monitored — from initial soil analysis through construction oversight. Eustis Engineering L.L.C. expertise guarantees that the replacement bridge and associated highway modifications are safe, durable, and compliant with Louisiana DOTD requirements.

Firm Members Involved: **Travis Richards, Matthew Morales, Lawrence Rome, Ryan A. Rodrigue, and Patrick Thurmond**

Relevant Services

- Marsh, Marine and Land-Based Geotechnical Exploration
- Coastal Use Permit for Exploration
- Geotechnical Laboratory Testing
- Settlement Mitigation Recommendations
- Dynamic Pile Testing and Interpretation
- DOTD and ASSHTO Standards
- Geotechnical Data Report and Interpretation Report
- Roadway, Approaches and Bridge Design

The existing Bayou Barataria Bridge is being replaced with a new structure that will be 963 feet long and supported by 13 pile bents comprising square, precast concrete piles. An unequal arm swing span, 183 feet long, is proposed between Bents 6 and 8 to provide a horizontal channel clearance of 85 feet within Bayou Barataria. Mill and overlay of existing pavements along portions of LA Highways 45 and 3257 are planned. Portions of these highways will also be raised and widened, and approximately one (1) mile of LA Highway 45 will be shifted 30 feet to the east into the marsh.

For the design of this project (H.004420.5), Eustis Engineering L.L.C. obtained the relevant Coastal Use Permits for the marsh as well as the roadway and marine locations. We also obtained necessary land access permissions. Drilling comprised 24 soil borings. Of these borings, 20 were drilled over marsh or water to depths ranging from 100 to 200 feet below the mudline. The remaining four borings were drilled to depths of 20 feet through existing pavements to evaluate proposed drainage structures and provide recommendations for mill and overlay of existing pavement sections to be incorporated into the final design. ***Geotechnical design analyses*** included estimates of vertical pile load capacity, effects of scour on pile capacity, soil-pile interaction to evaluate lateral loads, and pile group settlement. Additional analyses were performed to ***evaluate ground settlement, settlement surcharge/remediation programs, retaining walls, slope stability, and pavement design***. Deliverables included a ***Geotechnical Data Report,*** a ***Geotechnical Design Report***, and an electronic boring log data file.

For the construction phase of this project (H.015028.6), Eustis Engineering is completing engineering during construction services as a Prime to the LaDOTD and is also providing selected construction materials testing services as a subcontractor. We have completed a Wave Equation Analysis of Piles (WEAP) driveability study and are performing dynamic pile testing on the monitor piles and selected job piles. We have also developed and implemented a vibration monitoring plan and have reviewed surcharge operations to date. Testing services have included logging the installation of driven square, precast concrete piles.

17 FIRM EXPERIENCE:

Firm name	COASTAL ENVIRONMENTS, INCORPORATED	Past Performance Evaluation Discipline(s)*	Environmental
Project name	**US HWY 61 – I-10 Connector Environmental Impact Statement (EIS)**	Firm responsibility (prime or sub?)	Sub
Project number	H.004891	Owner's name	New Orleans Regional Planning Commission
Project location	St. John the Baptist Parish	Owner's Project Manager	Jeff Roesel
Owner's address, phone, email	10 Veterans Memorial Blvd., New Orleans, LA 70124, (504) 483-8500, jroesel@norpc.org		
Services commenced by this firm (mm/yy)	02/10	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	02/15	Cost of consultant services provided by this firm ($1,000's)	$75

Firm Members Involved: Sara Hahn

As subconsultant to N-Y Associates, Inc., Coastal Environments, Inc. (CEI) provided environmental services for the construction of a road to improve access from US 61 to I-10 in Reserve, LA. Under this contract CEI evaluated alternatives, documented environmental setting and potential impacts for alternates, prepared NEPA associated documents and sections of the ***Environmental Impact Statement (EIS)***.

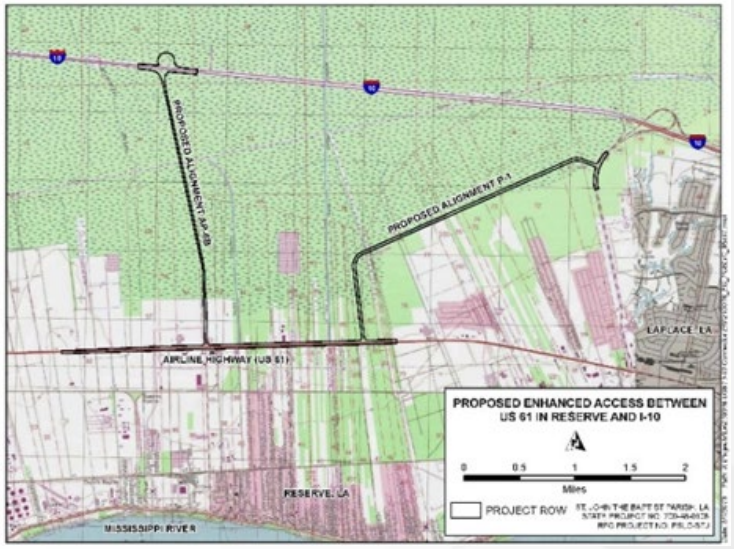
CEI biologists conducted background research; coordinated with biologists with LDWF & USFWS regarding T&E species; conducted field surveys to delineate wetlands using USACE criteria; flew the area seeking locations of Bald Eagle nests and colonial nesting bird colonies; ***prepared report of findings for FHWA & USACE and described environmental setting and impacts***.

CEI archaeologists and historians conducted literature and records review, standing structure surveys and shovel testing along the two (2) alternative corridors. One standing structure form was prepared. The cultural resources report documented the area's history, research and survey methodology and reported no archaeological sites.

The **Environmental Site Assessment Phase I** investigation was conducted according to ASTM protocols to identify:

1. Potential, abandoned hazardous and solid waste sites,
2. Active hazardous waste generators,
3. Facilities that treat, store, and/or dispose of hazardous wastes, and
4. Underground and aboveground storage tanks.
5. No recognized environmental conditions were identified for either alternate.

Deliverables: ***Wetland Findings Report, Phase I ESA Report, Cultural Resources Survey Report;*** Standing Structure Survey Form; EIS sections on wetlands, T&E species, cultural resources, hazardous materials.

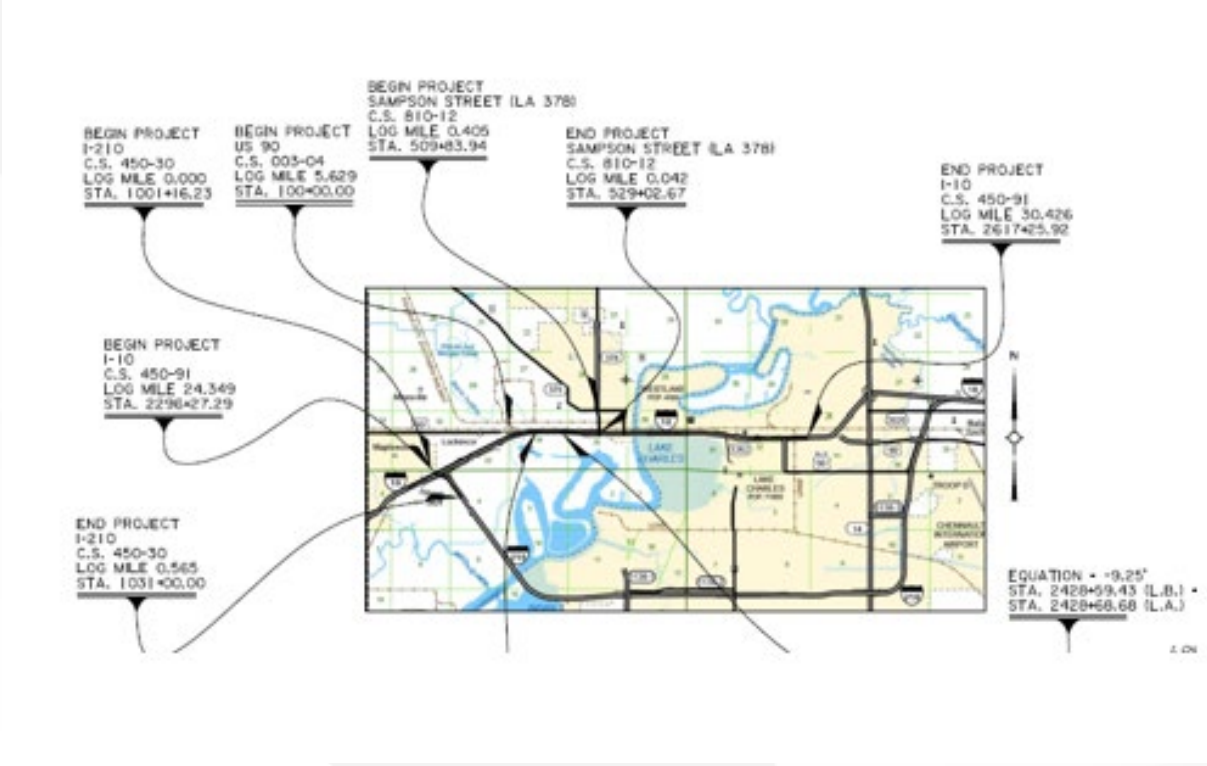


17 FIRM EXPERIENCE:

Firm name	THE LAKVOLD GROUP Commercial Real Estate Appraisers	Past Performance Evaluation Discipline(s)*	Appraiser
Project name	**I-10 Calcasieu River Bridge, Public-Private Partnership (P3)**	Firm responsibility (prime or sub?)	Sub
Project number	H.003931	Owner's name	TRC Companies, Inc.
Project location	Calcasieu Parish, Louisiana	Owner's Project Manager	Geoff Wilson, P.E.
Owner's address, phone, email	7915 Wrenwood Boulevard, Suite C, Baton Rouge, Louisiana 70809; 225 205 6869; wilson@trccompanies.com		
Services commenced by this firm (mm/yy)	01/25	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	01/26	Cost of consultant services provided by this firm ($1,000's)	$10

Firms Role: Completed ***Conceptual Stage Relocation Plan*** in 2025 based on various preliminary information. Updated the cost of the real estate impacts in 2026 based on final right-of-way maps. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Firm Members Involved: Angela Lemoine-Lakvold



DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

Teal stars in graphic below notates an exclusive teaming partner.

SECTION
18

Drawing on local presence and direct involvement in the Stage 0 Feasibility Study, the Arcadis Team brings continuity, institutional knowledge, and established agency and stakeholder relationships that make us uniquely qualitied to advance the St. Bernard LIT Corridor through Stage 1 Planning/Environmental.

ARCADIS

- ✓ Louisiana operations began in 1978 as Geraghty & Miller
- ✓ 15+ EA/EIS projects for DOTD since 2001
- ✓ 50+ Traffic and Safety projects for LADOTD since 2008
- ✓ 5+ Tavel Demand Modeling/Forecasting projects
- ✓ DOTD P3 Procurement and Delivery experience

GIS

- ✓ Prime Consultant for St. Bernard LIT Corridor Stage 0 Feasibility Study
- ✓ Founded in Louisiana in 1948
- ✓ 10+ years of DOTD roadway, drainage, survey, hydraulic design, and construction support

NY ASSOCIATES, INC.

ENGINEERS · ARCHITECTS · PLANNERS
PROGRAM & PROJECT MANAGERS

- ✓ 55+ years of DOTD planning, environmental design, bridge, and construction engineering services
- ✓ Staff with 25+ years managing DOTD projects
- ✓ 10+ EA/EIS projects for DOTD

CDM Smith

- ✓ Completed Stage 0 Toll Feasibility Study
- ✓ Recognized leader in Traffic and Revenue by credit rating agencies
- ✓ Supported over $57 Billion in nationwide bond issuance since 2015
- ✓ 5 Major DOTD project Traffic and Revenue Studies since 2012

URBAN SYSTEMS Inc. USI

- ✓ Completed LIT Corridor Stage 0 Traffic Analysis
- ✓ Founded in New Orleans in 1974
- ✓ 65+ DOTD Traffic and Safety projects
- ✓ 50+ years of DOTD traffic engineering, operational analysis, and data collection

EUSTIS ENGINEERING L.L.C.

- ✓ 80+ years of geotechnical experience
- ✓ Operating in New Orleans since 1949
- ✓ Trusted provider for deep foundations, embankments, and construction support
- ✓ Institutional knowledge of Louisiana's most challenging geotechnical conditions

COASTAL ENVIRONMENTS, INCORPORATED

- ✓ Founded in 1967 in Baton Rouge
- ✓ 50+ years of environmental experience in Louisiana
- ✓ 20+ years DOTD biological, wetlands, GIS, and cultural resources services

The HAWTHORNE AGENCY, INC.

- ✓ Founded in New Orleans in 1990
- ✓ 20+ years DOTD EA and EIS experience
- ✓ Extensive public involvement experience in Greater New Orleans

THE LAKVOLD GROUP

Commercial Real Estate Appraisers

- ✓ Founded in Baton Rouge in 1995
- ✓ Angie Lakvold is a former DOTD and Certified R/W Appraiser
- ✓ 10+ DOTD Conceptual Stage Relocations Plans

TBS T. BAKER SMITH

- ✓ Founded in 1913 in Houma, LA
- ✓ Prime Consultant on LADOTD Statewide SUE IDIQ contracts
- ✓ Licensed SUE Professional Engineers

18 APPROACH AND METHODOLOGY:



The Louisiana International Terminal (LIT) will enable Louisiana to remain competitive in global trade, and support long-term job creation and economic growth statewide. The St. Bernard LIT Corridor is integral to the LIT because it enables efficient freight movement, minimizes community impacts, enhances hurricane evacuation, and mitigates traffic impacts from terminal operations. The corridor is critical to LIT's operational feasibility, environmental compliance, and long-term economic benefits. If selected, the Arcadis Team's primary goal will be advancing the LIT Corridor through Stage 1 Planning/Environmental and preparing the project for Public-Private-Partnership (P3) procurement. Concurrently with project delivery, ***we will balance the needs and concerns of the Port of New Orleans (PONO) and St. Bernard Parish through active stakeholder engagement and management.***

Given the aggressive 2.5-year schedule, our approach involves completing a Mitigated Environmental Assessment (EA) contingent upon agency approval. Significant wetland impacts are associated with elevated highway construction through the Central Wetlands marsh recommended in the Stage 0 Feasibility Study (Stage 0). Utilizing "top-down" construction (also referred to as "end-on" construction) would significantly minimize the footprint and duration of wetland impacts. The Arcadis Team will complete early coordination with the Louisiana Department of Transportation and Development (DOTD), Federal Highway Administration (FHWA), U.S. Army Corps of Engineers (USACE), and the U.S. Coast Guard (USCG) to propose use of a Mitigated EA with the commitment to utilize top-down construction for the elevated highway.

The PONO plans initial operations for LIT to begin in 2030. St. Bernard Parish officials and stakeholders have voiced concerns over increased freight traffic utilizing existing rail lines and roadways. The three build alternatives advanced in the Stage 0 include intersection improvements at five locations and railroad grade separations at Judge Perez Drive (LA 39) and St. Bernard Ave (LA 46). Unless an updated traffic analysis shows otherwise, these improvements must be part of the Preferred Alternative. Further, as 2039 is the earliest an elevated highway could be constructed and open to traffic, strengthening the pavement on sections of LA 39 and Paris Road (LA 47) will likely be needed initially followed by pavement restoration once the elevated facility is completed.

St. Bernard LIT Corridor Development Timeline

2026 – 2028	*Complete Stage 1 – Planning/Environmental*
2029 – 2030	*Secure commitments for gap funding / begin preliminary engineering*
2031 - 2032	*P3 procurement / preliminary engineering / ROW acquisition*
2033 – 2038	*Design-build of facility by concessionaire*
2039	*Facility opens to traffic*

Upon completion of Stage 1, it is essential to initiate preliminary engineering for the elevated highway facility, as well as engineering design for existing highway pavement strengthening, intersection improvements, and railroad grade separations. Advancing these improvements is vital to sustaining the confidence and support of St. Bernard Parish officials and residents.

Initial Services



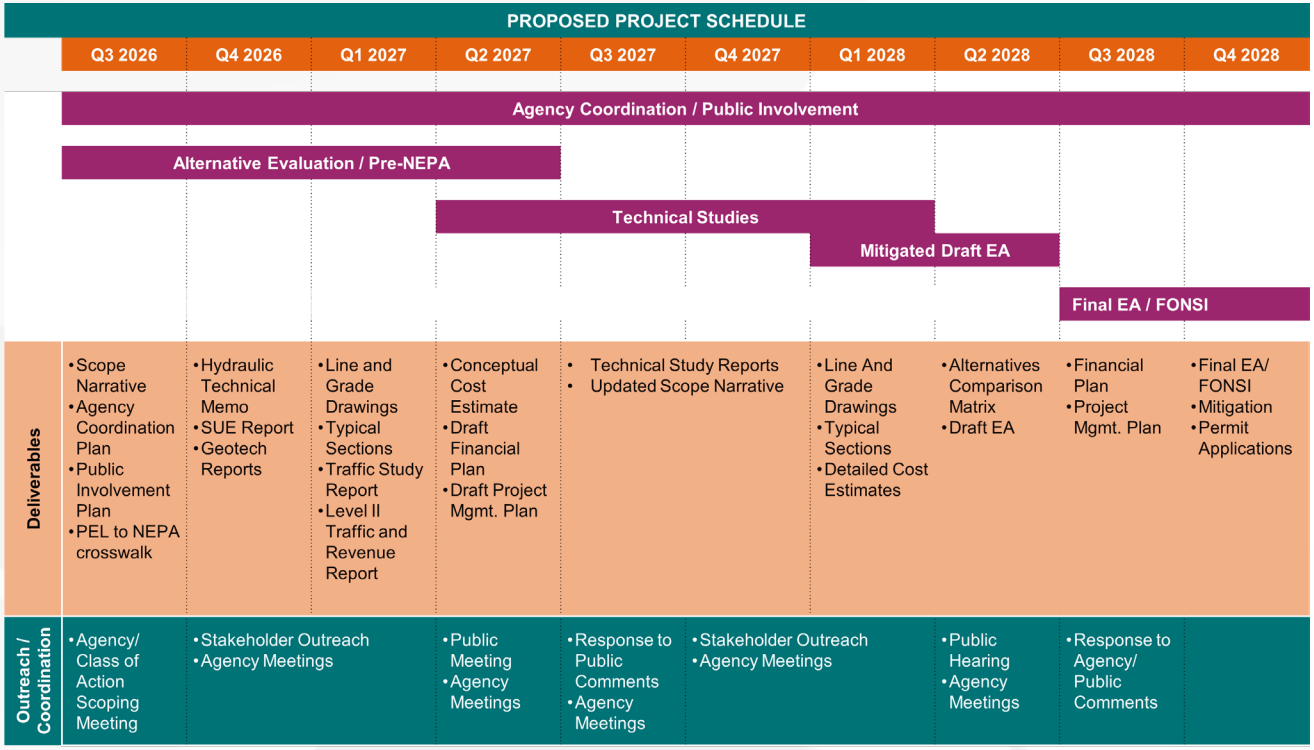
Within 15 calendar days following selection, Arcadis will submit an Initial Work Plan to DOTD identifying Pre-NEPA Activities critical to maintaining the project schedule. The initial work plan will include: 1) Stage 0 Review; 2) Early Agency Coordination; 3) Scope Narrative; 3) Critical Path Schedule; 4) Revised Stakeholder and Public Outreach Plan; and 5) Public Involvement Plan. Upon DOTD approval, the Arcadis Team will proceed with initial services while full contract negotiations proceed.

Stage 0 Review will be completed to identify critical data gaps in the study that need to be addressed during Pre-NEPA activities. We will confirm traffic datasets, model assumptions, and the scope for anyadditional counts/observations needed to analyze alternatives.

Early Agency Coordination meetings will be conducted with FHWA, DOTD, and participating agencies (USACE and USCG) to confirm the anticipated class of action (Mitigated EA vs. EIS/ROD) and establish expectations for studies, documentation, and schedules.

A Detailed Scope Narrative for Pre-NEPA activities will be developed in collaboration with DOTD upon agency concurrence with the NEPA class of action.

A Critical Path Schedule based on the scope narrative will be prepared, maintained, and shared monthly with DOTD. A dedicated project scheduler will build and maintain a schedule for the life of the project. ***Our goal is to complete Pre-NEPA Activities in 12 months and a Mitigated EA in 12-18 months.***



The Stakeholder and Public Outreach Plan from Stage 0 will be updated with stakeholder contact information and communications. Engagement tactics for non-NEPA activities (community briefings, project newsletters, social media) will be updated, as well as coordination with the PONO, St. Bernard Parish, New Orleans Regional Planning Commission (NORPC), and community groups. An online database and dashboard will be developed to provide current stakeholder contact information and communication logs to DOTD.

A Public Involvement Plan (PIP) will be prepared to document public engagement and agency coordination appropriate for a Mitigated EA. The PIP will describe how public meetings, opportunities for public comment, agency consultation, and documentation of public input will be conducted.

Project Management

A Project Management Plan (PMP) will be developed to define roles and responsibilities, communication protocols, document control systems, invoicing, key milestones and deliverable schedules. A Quality Management Plan (QMP) will govern a formal QA/QC process, including peer and independent technical reviews, overseen by the Project Manager to ensure deliverable quality and reliability. ***A contract management dashboard will be developed and maintained*** to provide DOTD access to the project schedule, submittal log, risk register, and project financials.

Pre-NEPA Activities

The Arcadis Team will advance planning level studies to prepare for Draft EA development. These studies will provide a defensible basis for NEPA decision-making and selection of a Preferred Alternative.

Traffic and Revenue (T&R) Study The Arcadis team will conduct an Intermediate (Level 2) T&R study for project alternatives. The study will establish baseline traffic conditions, estimate future travel demand under a No-Build scenario, and compare tolled alternatives to No-Build conditions.

Data Assembly and Analysis: Historic traffic volumes and key connecting facilities will be compiled and reviewed. Speed and travel time data will also be compiled to characterize existing conditions and support model validation. Travel patterns and origin-destination movements will be reviewed using third-party sources to confirm observed diversion and route choice behavior.

Regional Economic Review: A review of regional economic and demographic projections will be completed, including population and employment forecasts, development trends, and freight activity. This review will be conducted in coordination with NORPC to confirm consistency with regional planning assumptions and refine model socioeconomic inputs.

T&R Analysis: The NORPC Southeast Louisiana Travel Model (SELATRAM) will be used to estimate future-year T&R. A No-Build and Build "No-Toll" scenario will be evaluated, as well as a range of toll rates to determine traffic optimizing and revenue maximizing rates. Truck toll rates will consider per-axle escalations but may be capped to ensure the facility remains competitive with regional container ports. Restrictions on truck traffic on existing highways, requirements for port-related vehicles to use the facility, and employer-paid programs for port employees may be considered through coordination with stakeholders. Toll scenario T&R will be estimated daily for each model forecast year and annualized to estimate annual transactions and gross toll revenue. ***A 30-year***

and 50-year revenue stream of annual T&R estimates will be produced by interpolating between model years to support concessionaire periods.

Traffic Engineering The Arcadis Team has conducted an initial review of the Stage 0 and has identified gaps in traffic data collection and analysis that will require discussion and potential additional study before advancing into NEPA.

Traffic and Safety Data / Volume Projections - Additional traffic counts will be needed to quantify impacts to minor streets, driveways, and other network components not addressed in the Stage 0. ***Safety data and analyses*** will need to be expanded to include the full impact area of the project. Volume projections for ***expanded traffic count locations*** and additional future year scenarios will be developed. Growth rate assumptions and trip generation estimates will be reviewed and updated if necessary.

Analysis Scenario and Alternative Refinement – Several Stage 0 alternatives pose significant impacts to right-of-way (ROW), existing structures, and local network access—impacts which were not fully addressed in the Stage 0. The proposed roundabout at Palminsano Blvd and LA 46 would significantly affect access to adjacent side streets, requiring further analysis and mitigation planning. Additionally, Stage 0 did not consider or identify alternatives for the tie-in points of the three elevated highway options, which must be carefully evaluated through supplemental traffic analysis to ensure feasible integration and minimize disruption.

Given the anticipated increase in trips generated by port activity, it is imperative to implement improvements to the local network as soon as possible to maintain an acceptable level of service. Interim network enhancements must be capable of accommodating projected traffic volumes until the new elevated roadway is constructed (currently estimated for 2039) and provide reliable performance through 2050. To address these critical needs, ***The Arcadis team will refine future year scenario projections and traffic analysis, focusing on identifying more efficient alternatives that minimize impacts while also enabling a faster implementation timeline.***

Traffic Analysis Tools - All traffic analysis in Stage 0 was performed using Highway Capacity Software (HCS) and SIDRA (for roundabouts). The Stage 0 noted that HCS was insufficient to fully quantify the operational performance of certain alternatives. If these alternatives remain, more in depth analysis will be needed using more advanced tools such as Vissim (microsimulation). ***The Arcadis Team is experienced in a wide range of traffic analysis tools*** that may be utilized for the study including HCS, Vissim, Synchro, and Sidra.

Geotechnical Engineering. Given the project setting—characterized by soft deltaic soils, extensive wetlands, navigable waterways, and heavy freight and emergency evacuation load demands—early geotechnical investigations will be completed to confirm feasibility, support engineering concepts, and develop realistic cost estimates. The work will focus on confirming constructability of elevated highway alternatives and associated infrastructure, identifying geotechnical risks, and defining mitigation strategies.

Bridge Concept Studies. Planning-level bridge concepts will be developed that demonstrate technical viability while supporting alternative comparison, environmental analysis, constructability review, and cost estimating. We will identify bridge locations and evaluate feasible span arrangements, superstructure and substructure types, and foundation concepts based on site constraints, geotechnical conditions, navigation requirements, and constructability. Design criteria and assumptions, including freight and evacuation loading, clearances, and resilience considerations, will be documented and applied.

Line and Grade. Preliminary horizontal and vertical alignments, profiles, and typical sections will be developed for each alternative using existing LiDAR-derived terrain models. Line and grade concepts will be developed to achieve safe and efficient operations for heavy freight and evacuation traffic, maintain required vertical clearances at roadway, rail, and waterway crossings, and provide smooth transitions at tie-ins to existing facilities. Preliminary grades will consider settlement potential, drainage, resilience to flooding, and constructability, including compatibility with top-down construction methods for elevated segments.

Subsurface Utility Engineering (SUE). **Quality Level D SUE** investigation will be performed to identify and manage utility risks early in project development. A desktop review of available utility records, as-built plans, permitting data, and coordination with known utility owners will be completed to develop a planning-level utility inventory. Utilities will be mapped along each alternative to identify potential conflicts and relocation implications.

Environmental Baseline. Targeted field studies, including wetland delineations, T&E species survey, and cultural resources screening, will be completed to support alternatives evaluation. Fieldwork will be appropriately scaled to a Pre-NEPA level, providing sufficient baseline information to identify environmental constraints and potential permitting considerations.

Stakeholder and Public Outreach. Targeted outreach to affected communities, local governments, advocacy groups, and freight stakeholders will be completed. Stakeholder input will be documented and summarized to inform Purpose and Need refinement, alternatives screening, and identification of potential fatal flaws. Clear documentation of outreach and coordination activities, including meeting summaries, engagement materials, and comment tracking will be incorporated into an updated Stakeholder Outreach Plan.

PEL-to-NEPA Crosswalk will map Pre-NEPA (PEL) decisions, data, and technical studies to corresponding NEPA requirements, identifying studies to be adopted versus studies to be updated or newly completed. The crosswalk memo will include Pre-NEPA study reports and document carry-forward items, assumptions, gaps, and required NEPA studies and coordination.

Purpose and Need. Informed by the Pre-NEPA studies that collectively define the project's transportation challenges and objectives, the Purpose and Need statement will be refined and validated to ensure it is clear, comprehensive, and defensible for NEPA.

Environmental Evaluation



The Arcadis Team will advance a Mitigated EA to achieve NEPA clearance while maintaining technical rigor, agency alignment, and stakeholder transparency. The Mitigated EA is intended to support the project's aggressive schedule by focusing on a refined range of alternatives, leveraging Stage 0 and Pre-NEPA studies to minimize duplication, and incorporating enforceable mitigation commitments.

Alternatives Analysis. The EA will evaluate a reasonable range of alternatives, including the No-Build Alternative, viable elevated highway alternatives, and supporting interim improvements. Traffic and tolling studies will provide comparative performance measures across alternatives. Geotechnical, bridge concept, and line and grade studies will establish engineering feasibility and constructability, geotechnical or structural constraints, staging considerations, and key cost drivers. Environmental baseline findings will inform comparative impact analysis, avoidance and minimization opportunities, and permitting considerations. Stakeholder input and agency coordination will be integrated to validate tradeoffs and confirm regulatory expectations. Together, these inputs will support a well-documented alternatives analysis based on performance, feasibility, environmental considerations, cost, and risk, for the selection of a Preferred Alternative.

Technical studies will be scaled for an EA and include cultural resources surveys and Section 106 consultation, air quality, noise, socioeconomics, land use, water quality, and hazardous materials, as applicable. Pre-NEPA traffic, tolling, geotechnical, bridge, SUE, and line-and-grade studies will inform impact analysis and refinement of a Preferred Alternative. ***A defining element of the Mitigated EA will be development of specific, enforceable mitigation commitments to avoid, minimize, and compensate for wetland impacts***, including construction methods to reduce the footprint and duration of impacts. Impact minimization will be prioritized through iterative design refinements, particularly the use of top-down construction methods for elevated sections, and by integrating intersection and corridor improvements that address community mobility and safety concerns ahead of full corridor buildout.

Public involvement led by The Hawthorne Agency based in New Orleans will follow the PIP designed to ensure early and ongoing, transparent, and meaningful engagement. Public input will be systematically documented, evaluated, and addressed in coordination with agency review, and incorporated into the EA, mitigation commitments, and administrative record to support a defensible Finding of No Significant Impact (FONSI). Upon approval of a Final EA/ FONSI, mitigation documentation and permit applications will be prepared including but not limited to USACE Section 401/404/408 permits, USCG Section 9 bridge permit, LDEQ Water Quality Certification, and a Lake Borgne Basin Levee District permit. Lastly, a Project Management Plan and Financial Plan, as required in accordance with 23 U.S.C. 106(h), will be included in the EA to guide post-NEPA project development and implementation.

Preliminary Engineering



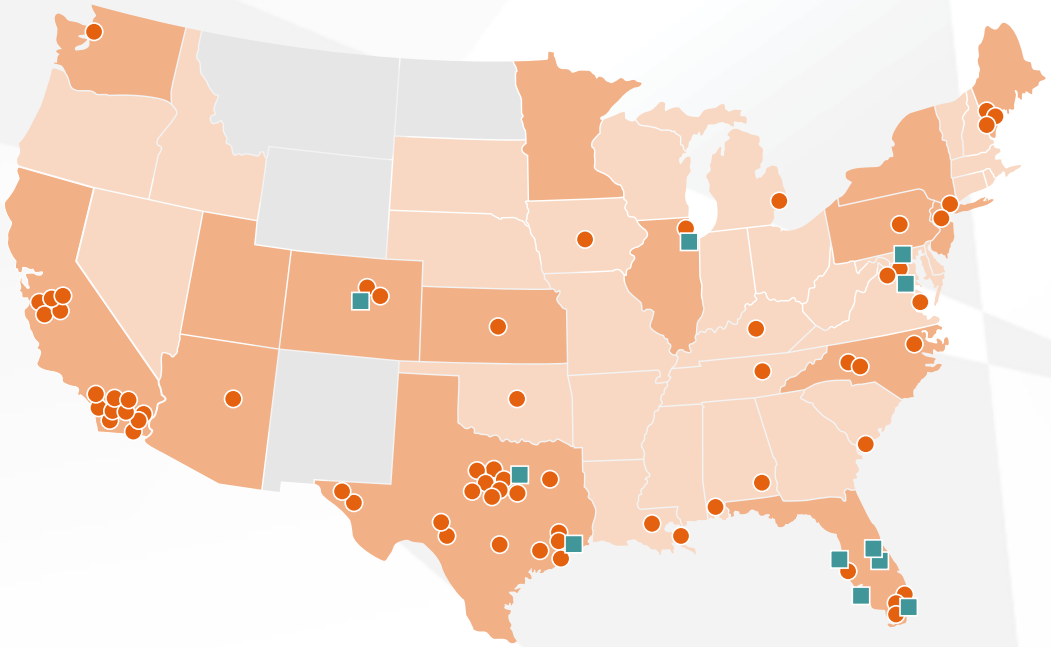
Preferred Alternative design will be advanced to support right-of-way acquisition, utility coordination, cost certainty, and readiness for P3 procurement. Design for strengthening pavement on LA 39 and LA 47 segments, intersection improvements, and rail/highway grade separations will also be advanced to ensure they can be implemented independently or phased ahead of the elevated facility. Engineering for both the elevated highway and interim improvements will be developed in an integrated manner. This will ensure geometric compatibility and consistency with environmental commitments, while allowing flexibility in project phasing, funding, and P3 procurement. This coordinated approach will provide a seamless transition between interim solutions and long-term corridor implementation, maintaining community confidence and operational performance throughout project delivery.

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION
19

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.



- 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

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.*

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	Environmental	4400019338 / Multiple State Project Nos	Rural Bridge Replacement Initiative Phase II	$17,088
		4400009281 / H.009932	US 80 Widening: Vancil Road to Well Road EA	$5,343
		4400025022 / H.015498.5 Recall 102225	Park Road Over Lagoon	$35,000
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Env. Task Orders	$183,549
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$37,871
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 6 months)*	$100,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$6,957
	Traffic	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12	$541,663
		4400019379 / H.013797	LA 30: EBR PL – I-10	$232,048
		4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$4,510
		4400021325 / H.012837.5	I-10 New Orleans Master Plan	$58,758
		4400023690 / H.015590.5	LA 494: LA 6 To Blanchard Rd	$86,924
		4400023690 / H.016529.5	US90BUS (Broad St): Enterprise BL – I-210	$168,203
		4400023690 / H.016380.5	LA 1024: S-Wave Ground Inlay Grooves	$82,995
		4400017033 / H.005121	LA 1/LA 415 Connector	$434,747
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$107,786
		4400024084 / H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	$10,202
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 6 months)*	$600,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$80,013
		4400021325 / H.010824.1	US 71 Corridor Study	$113,080

ARCADIS	Road	4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$2,883
		4400017033 / H.005121	LA 1/LA 415 Connector	$950,000
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Road Task Orders	$10,377
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 6 months)*	$250,000
	ITS	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12	$127,450
		4400026457 / H.013868.5	ITS MGMT, OPERATIONS, & MAINT	$581,428
		4400026457 / H.013868.6 (A)	ITS MGMT, OPERATIONS, & MAINT	$424,134
		4400026457 / H.013868.6 (B)	ITS MGMT, OPERATIONS, & MAINT	$228,024
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 6 months)*	$140,000
	Bridge	4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12	$265,521
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Bridge Task Orders	$20,498
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 6 months)*	$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	$127,450
		4400027361 / H.011220.6, H.012901.6, H.010634.6	US 90 Engineering Support	$248,775
		4400016923 / H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	$192,319
		4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I)	N/A
		4400025665 / H.013482.6	I-10 WBR Queue Warning System	$83,341
	Data Collection	4400021325 / H.012837.5	I-10 New Orleans Master Plan	$3,751
		4400023812 / H.015377.5	Weigh Station Assessment	$352,125
NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	Bridge, Environmental	4400019337 / H.014245	Rural Bridge Replacement Initiative - Phase II - LA 119, Natchitoches Parish	$33,173
		4400019337 / H.014246	Rural Bridge Replacement Initiative - Phase II - LA 1199, Rapides Parish	$289
		4400019337 / H.014248	Rural Bridge Replacement Initiative - Phase II - LA 124, Catahoula Parish	$756
		4400019337 / H.014250	Rural Bridge Replacement Initiative - Phase II - LA 577, Franklin Parish	$420

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
EUSTIS ENGINEERING L.L.C.	CE&I / OV	4400019017, 4400024654 / H.015028.6	LA 302: Bayou Barataria Bridge Replacement, Phase 1	$15,000
		4400021740 / H.004100.6	Roosevelt Boulevard, Intersection of West Napoleon Avenue to Intersection of West Metairie Avenue, Kenner	$5,000
		4400030048/ H.012867.6	South Larriviere Road, LA Highway 92 to Chemin Metairie Parkway	$1,000
	Geotech	4400024654 / H.015028.6.	IDIQ for Geotechnical Services Statewide, LA Highway 302: Bayou Barataria Bridge Replacement, Phase 1	$51,000
GIS	Survey	4400021531 / SP H.011829	IMP@LA 13 & LA 100 & I-10 Acc. Rd (Crowley)	$16,119
		4400021531 / SP H.014728	LA 20: LA 304 - LA 307	$22,232
		4400021976 / SP H.016507	US 90 over Wax Lake Outlet Scour Repair	$26,550
		4400021976 / SP H.015308	I-49: Lafayette P/L – Evangeline P/L	$297,376
	Environmental	4400017438 / SP H.013284.1	MRB South GBR: LA 1 to LA 30	$63,340
	CE&I / OV	4400021680 / SP H.008145.6	LA 1: Leeville to Golden Meadow (Phase 2)	$1,526,389
CDM Smith	Planning	H.013284	Mississippi River Bridge South to Greater Baton Rouge: LA 1 to LA 30 Connector	$150,000
Coastal Environments, Incorporated	Environmental	4400005787 / H.005720	Florida Avenue Expressway (on hold)	$38,275
		4400007175 / H.011328.2	I-49 South (Ricohoc to Berwick) (on hold)	$336,188
		4400007959 / H.008915.2	LA 3234 Ext from LA 1065-Hammond Airport (on hold)	$798
		4400012084 / H.000358	US190 LA 415: Lobdell Interchange	$82,989
		4400023973 / H.000358.2	Ground Penetrating Radar Survey US190: LA 415 & RR	$83,722
		4400012084 / H.005121.2	LA1: LA 415 Connector Widening	$43,577

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
THE LAKVOLD GROUP Commercial Real Estate Appraisers	Appraiser	H.004100	LA 415 to Essen on I-10 and I-12; Phase I: Washington Street to Essen Lane, East Baton Rouge Parish, LA	$86,340
		H.007811	Comite River Diversion Canal, Amite River and Tributaries, East Baton Rouge Parish, LA	$20,800
		H.003931	Interstate 10 Calcasieu River Bridge, Public – Private Partnership Project, Calcasieu Parish, LA	$150,000
		H.011909	Roundabout: US 71 at Boone Street, Vernon Parish, LA	$12,000
		H.010960	LA 30 Roundabout at Tanger & I-10, Ascension Parish, LA	$12,000
The HAWTHORNE AGENCY, INC.	Other (Public Outreach)	4400005484 / H.005168	Jefferson Highway Rail Relocation Project	$5,526
	Other (Public Outreach)	4400005484 / H.005168.2	Avondale Planning & Environmental Linkages Study	$1,811
URBAN SYSTEMS Inc. USI	Traffic	4400022581/ H011221.5	I-10: N.O. CBD3 (Poydras- Louisa) & I-10:N.O CBD4 (Louisa – I-510)	$20,482
		4400024185 / H.016046.5	US 190: Atchafalaya R @ K'Sprngs Repairs	$5,946
		4400026585 / H.006226.5	Pointe-a-La-Hache Ferry Landing Replacement	$5,000
T. BAKER SMITH TBS	Bridge	4400013407 / H.013199	Country Estates Dr. Over St. Louis Bayou	$13,940
		4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$1,183
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$29,016
	CE&I/OV	4400025760 / H.011137	I-12: LA 1077 to LA 21 (CE&I)	$520,240
	Environmental	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$13,804
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$40,849
		4400031920 / H.008069	Peters Road Bridge & Extension (Phase 3)	$207,770
	Other (Construction Support)	4400013203 / H.001344	US 190: LA 437 to US 190 Bus (Ph 1)	$10,984
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$102,090

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Other (Contract Management)	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$8,663
		4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$27,546
	Road	4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$1,170
T. BAKER SMITH TBS	Road	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$49,026
		4400024928 / H.015576	LA 447 @ LA 1025: Roundabout	$9,521
		4400024928 / H.015587	LA 3211 @ Yokley Road Roundabout	$133,650
		4400024298 / H.016095	LA 70 Rehab: Marguerite St to US 90	$10,991
		4400024928 / H.015485	LA 3187: LA 13 - LA 13	$129,892
		4400024928 / H.010795	LA 42: Roundabout at Joe Sevario Road	$93,295
	Survey	4400025027 / Multiple S.P. No's	IIJA Off-System Bridge Program	$9,236
		4400021973 / H.011242	LA 384 (Big Lake Rd to McNeese St)	$666,371
		4400024928 / H.015485	LA 3187: LA 13 - LA 13	$153,257
		4400031920 / H.008069.5	Peters Road Bridge & Extension (Phase 3)	$444,670
		4400019336 / Multiple S.P. No's	Rural Bridge Replacement Initiative Phase II	$2,284
	Other (Subsurface Utility Engineering)	4400025511 / H.011242.5	LA 384	$770,896

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS

20-23

Partnering with New Orleans-based The Hawthorne Agency that brings local knowledge and public involvement experience. Since 1990, they have provided tailored communications solutions. As a boutique firm specializing in strategic community outreach and engagement, Hawthorne works collaboratively to achieve results while keeping projects on time, on budget and in compliance with regulatory regulations.



20 CERTIFICATIONS/LICENCES

STAFF CERTIFICATION CHART SUMMARY		
Names	**Firm**	**Relevant Certification**
Akhil Chauhan, PE, PTOE, PTP, PMP *Meets MPR No. 1*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Project Management Professional (PMP) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Module 1, 2, & 3 NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making" NHI Course No. 380075 – New Approaches to Highway Safety Analysis NHI Course No. 133121 – Traffic Signal Design and Operation FHWA – NHI Course No. 380071 – Interactive Highway Safety Design Model (IHSDM) FHWA – NHI Course No. 133078 – Access Management, Location and Design
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
Bonnie Bynum *Meets MPR No. 4*	ARCADIS	NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making"
Bruce Richards, AICP, PTP, GIP *Meets MPR No. 4*	NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making" American Institute of Certified Planners Professional Transportation Planner (PTP) National Green Infrastructure Certificate Program (NGICP)

20 CERTIFICATIONS/LICENCES

STAFF CERTIFICATION CHART SUMMARY		
Names	**Firm**	**Relevant Certification**
Daniel Burgin, INCE *Meets MPR No. 5*	ARCADIS	Institute of Noise Control Engineering Certification TNM 2.5 Training NTI Transportation Conformity Training EPA MOVES Training NTI Transit Noise and Vibration Training
Justin Maderia, PE, PTOE, PTP *Meets MPR No. 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE)
Mohan Menon, PhD, PMP, PG *Meets MPR No. 7*	GTS ENGINEERING LLC	Professional Geoscientist, Louisiana USACE - Wetlands Delineation Training Course
Cassandra Hart, CEP *Meets MPR No. 7*	COASTAL ENVIRONMENTS, INCORPORATED	Certified Environmental Professional USACE – Wetlands Delineation Training Course
Hunter Guidry *Meets MPR No. 8*	ARCADIS	USACE - Wetlands Delineation Training Course
Walker Wilson *Meets MPR No. 8*	COASTAL ENVIRONMENTS, INCORPORATED	USACE - Wetland Delineation Manual Training
Lauran Switzer, MA, RPA *Meets MPR No. 10*	ARCADIS	Registered Professional Archaeologist Section 106 of the National Historic Preservation Act Training
Douglas Wells *Meets MPR No. 10*	COASTAL ENVIRONMENTS, INCORPORATED	Section 106 of the National Historic Preservation Act Training
Ari Deitch, PE, PTOE, PTP, RSP1 *Meets MPR No. 13*	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. 13*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor
Sridhar Basetty, PE, PTOE, PTP *Meets MPR No. 14*	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

20 CERTIFICATIONS/LICENCES

STAFF CERTIFICATION CHART SUMMARY		
Names	**Firm**	**Relevant Certification**
		Traffic Controller and Streetwise Training Course NHI – 133121 Traffic Signal Design and Operation
James Simmons, PE *Meets MPR No. 14 & 15*	NY ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	NHI course No. 142005, "National Environmental Policy Act and Transportation Decision Making"
Jose L. Rodriguez, PE *Meets MPR No. 14*	ARCADIS	ATSSA Traffic Control Supervisor
T J Stokes, PE *Meets MPR No. 17*	TBS T. BAKER SMITH	ATSSA Traffic Control Supervisor Cybersecurity Awareness WBT
Ryan A. Rodrigue *Meets MPR No. 20*	EUSTIS ENGINEERING L.L.C. SINCE 1946	American Concrete Institute Certification: ACI: Concrete Strength Testing Technician ACI: Concrete Laboratory Testing Technician, Level 1 ACI: Aggregate Testing Technician, Level 1 ACI: Aggregate Base Testing Technician
Lawrence W. Rome, CET *Meets MPR No. 21*	EUSTIS ENGINEERING L.L.C. SINCE 1946	Water Well Contractor's License Transportation Workers Identification Card (TWIC) National Institute for Certification in Engineering Technologies (NICET) Certification: – Geotechnical Engineering Technology – Construction, Level II – Geotechnical Engineering Technology – Generalist, Level III – Geotechnical Engineering Technology – Exploration, Level IV – Geotechnical Engineering Technology – Laboratory, Level IV – Construction Materials Testing – Asphalt, Level I – Construction Materials Testing – Concrete, Level II – Construction Materials Testing – Soils, Level IV
Lina Khoury, PE, CFM *Meets MPR No. 24*	ARCADIS	Certified Floodplain Manager (CFM) Certified Professional in Erosion and Sediment Control (CPESC)
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
Julie Price, AICP	ARCADIS	American Institute of Certified Planners

20 CERTIFICATIONS/LICENCES

STAFF CERTIFICATION CHART SUMMARY		
Names	**Firm**	**Relevant Certification**
Kovid Saxena, AICP	ARCADIS	American Institute of Certified Planners
Danny Arnold, AICP	ARCADIS	American Institute of Certified Planners
Lydia Jemison, AICP	N-Y ASSOCIATES, INC. ENGINEERS · ARCHITECTS · PLANNERS PROGRAM & PROJECT MANAGERS	American Institute of Certified Planners
Jennifer (Jenny) Humphreys, AICP	CDM Smith	American Institute of Certified Planners
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
Alison Michel, PE, PTOE, PTP, RSP	URBAN SYSTEMS Inc. USI	Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Nicole Stewart PE, PTOE	URBAN SYSTEMS Inc. USI	ATSSA Traffic Control Supervisor Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Matthew Morgan, PE, PTOE	URBAN SYSTEMS Inc. USI	National Flagger Certification Course Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Perry Smith	TBS T. BAKER SMITH	ATSSA Traffic Control Supervisor
Kaleb Brooks	TBS T. BAKER SMITH	OpenRoads Survey (Fundamentals Class)

Louisiana's Secretary of State (SOS) Registration Screenshots for: **ARCADIS U.S., INC.; N-Y ASSOCIATES, INC.; EUSTIS ENGINEERING L.L.C.; GIS ENGINEERING, L.L.C.; CDM SMITH INC.; COASTAL ENVIRONMENTS, INC.; THE LAKVOLD GROUP LLC; THE HAWTHORNE AGENCY, INC.; URBAN SYSTEMS ASSOCIATES, INC.**; and **T. BAKER SMITH, LLC** are located at the end of this section.



Project Management Institute

This is to certify that

Akhilendra S Chauhan

has been formally evaluated for demonstrated experience, knowledge and skills to lead and direct project teams and is hereby bestowed the global credential

Project Management Professional

In testimony whereof, we have subscribed our signatures under the seal of the institute.

Bob Paulson - Chair, Board of Directors

Mark A. Langley - President and Chief Executive Officer

PMP® Number **1444676**

PMP® Original Grant Date **16 August 2011**

PMP® Expiration Date **15 August 2014**

PMI Project Management Institute

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

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

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. 142005 -
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: **May 28-30, 2014** ***Hours of Instruction:*** **18**

Location: **Baton Rouge, LA**

Instructor

Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director

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. 380071 -
Interactive Highway Safety Design Model (IHSDM)

hosted by

Louisiana Department of Transportation and Development

Date: **May 9-10, 2012** ***Hours of Instruction:*** **12**

Location: **Baton Rouge, LA**

Instructor

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** ***Hours of Instruction:*** **18**

Location: **Baton Rouge, LA**

Instructor

Instructor

Allison H. Landry
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-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

NATIONAL HIGHWAY INSTITUTE

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** ***Hours of Instruction:*** **18**

Location: **Baton Rouge, LA**

Instructor

Instructor

Allison H. Landry
Local Coordinator

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

NATIONAL HIGHWAY INSTITUTE



NE ROUNDABOUTS

CERTIFICATE OF COURSE COMPLETION

This certifies that ***Akhilendra Chauhan*** has completed

SIDRA INTERSECTION 6
ROUNDABOUT ANALYSIS WORKSHOP

Hours of Instruction: 13

Location: Baton Rouge, Louisiana
Date: September 12th & 13th, 2013

Howard McCulloch

Howard McCulloch, NE ROUNDABOUTS



NE ROUNDABOUTS

CERTIFICATE OF COURSE COMPLETION

This certifies that ***Akhil Chauhan*** has completed

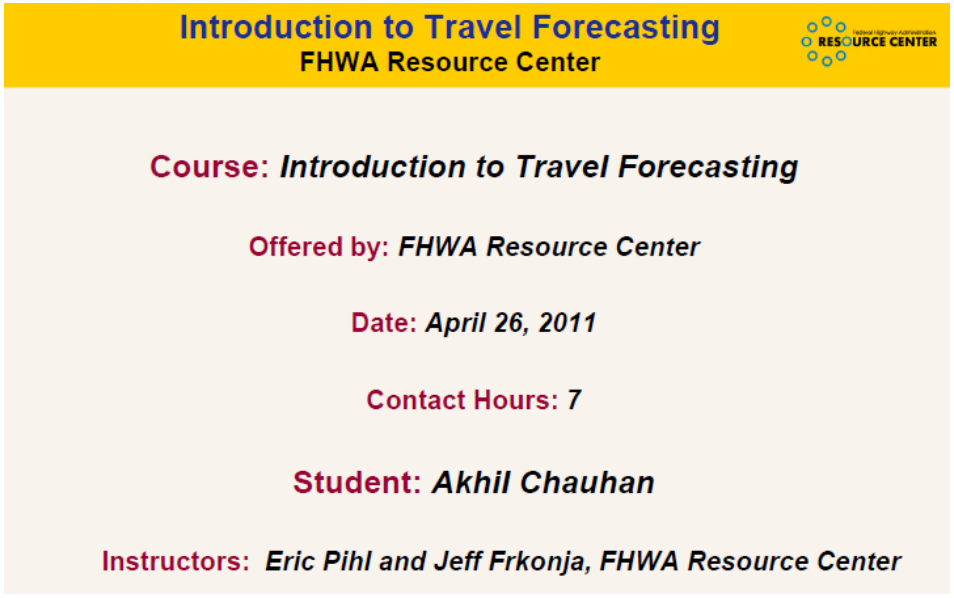
ROUNDABOUT DESIGN WORKSHOP

Hours of Instruction: 13

Location: Baton Rouge, Louisiana
Date: September 10th & 11th, 2013

Howard McCulloch

Howard McCulloch, P.E., NE ROUNDABOUTS



Introduction to Travel Forecasting
FHWA Resource Center

RESOURCE CENTER

Course: ***Introduction to Travel Forecasting***

Offered by: ***FHWA Resource Center***

Date: ***April 26, 2011***

Contact Hours: ***7***

Student: ***Akhil Chauhan***

Instructors: ***Eric Pihl and Jeff Frkonja, FHWA Resource Center***



Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Akhil Chauhan

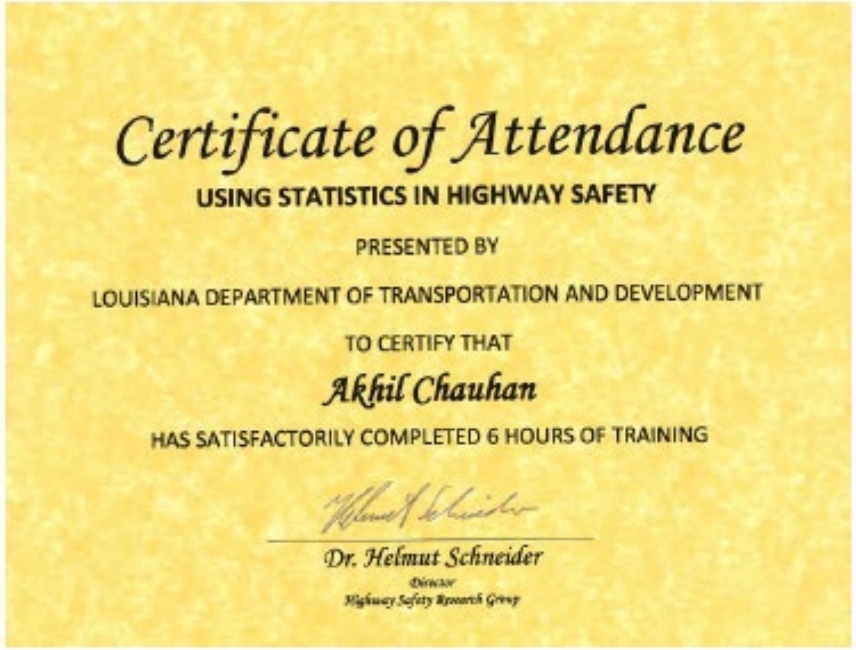
HAS SATISFACTORILY COMPLETED 7 PROFESSIONAL DEVELOPMENT HOURS IN:

Louisiana's Complete Streets Peer Exchange

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

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

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

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 ScientistNumber 2319 issued on 4/1/2013 and recertified on 2/10/2018. Due to recertify again by 4/1/2023.

Ben LePage, 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*
Location: *Baton Rouge, LA*

Hours of Instruction: 18

Instructor

Instructor

Local Coordinator

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*
Location: *Atlanta, GA*

Hours of Instruction: *12 hours*

Instructor

Instructor

Local Coordinator

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

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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

Kathy Baumgaertner

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

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

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**

Tim M. Klein
Instructor

M Walker
Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

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* *Hours of Instruction:* 18

Location: *Baton Rouge, LA*

Instructor

Kathy Baumgartner
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 G. Perret
Kenneth Perret
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

Moges Ayele
Director, National Highway Institute
Federal Highway Administration

Coordinator

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

U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Certificate of Training

Bonnie Bynum

has participated in

FHWA-NHI-142005

NEPA and Transportation Decision-making

hosted by

South Carolina Department of Transportation

Date: April 22-24, 2014
Location: Columbia, SC

Hours of Instruction: 19.5

Instructor

Instructor

SCDOT – Training Resource Manager

Richard Barnaby, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

NHI
NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

National Highway Institute
Certificate of Training

Bruce J. Richards

has satisfactorily completed training in

National Environmental Policy Act (NEPA)
And Transportation Decision Making
conducted by

National Highway Institute

Location: Baton Rouge, LA

Date: August 20-22, 2002

Hours of instruction: 18

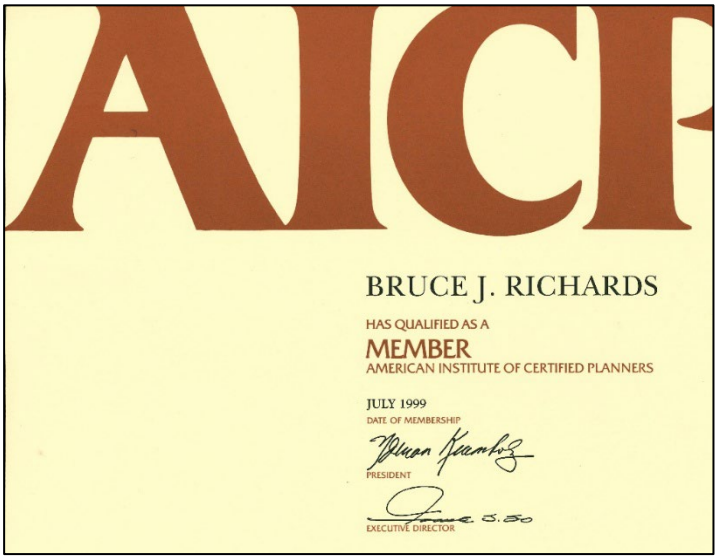
Continuing Education Units: 1.8

Instructor

Coordinator

Director, National Highway Institute
Federal Highway Administration

Director, Office of Professional Development
Federal Highway Administration



AICP

BRUCE J. RICHARDS

HAS QUALIFIED AS A

MEMBER
AMERICAN INSTITUTE OF CERTIFIED PLANNERS

JULY 1999
DATE OF MEMBERSHIP

PRESIDENT

EXECUTIVE DIRECTOR



Transportation Professional Certification Board, Inc.

certifies that

Bruce J. Richards

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 648 issued in Washington, DC, USA

3/18/18

PTP
PROFESSIONAL TRANSPORTATION PLANNER

Michael K. Park
Chair

Jeffrey F. Paniati
Executive Director



NATIONAL GREEN INFRASTRUCTURE

ngicp

CERTIFICATION PROGRAM

The EnviroCert Board of Directors hereby recognizes that:

Bruce Richards

has successfully met the requirements of the NGICP and has demonstrated competency in the foundational knowledge, concepts, and terminology required to perform tasks related to green infrastructure construction, inspection and maintenance, and has hereby been granted the NGICP certification.

974
NGICP ID

16-Jan-2020
Effective Date

1-Feb-2027
Expiration Date

Robert Anderson, EnviroCert President

Melissa McKinney, NGICP Director

ENVIROCERT International, Inc

This certification is non-transferable and must be maintained by the certificant in accordance with the NGICP policies and procedures, including meeting the recertification requirements and adhering to the NGICP Code of Conduct. ECI and the Board of Directors maintains sole ownership of the certificate.

ANAB



INCE USA

The Institute of Noise Control Engineering of the United States of America, Inc.

In Recognition of Professional Standing and Contributions, the Officers and Board of Directors Attest that

Daniel G. Burgin

Has been Elected a Member of the Institute

Steve Sorenson
President

Jeanette Hesedahl
Vice President, Membership



NTI
National Transit Institute

THIS CERTIFICATE IS AWARDED TO:

Daniel Burgin

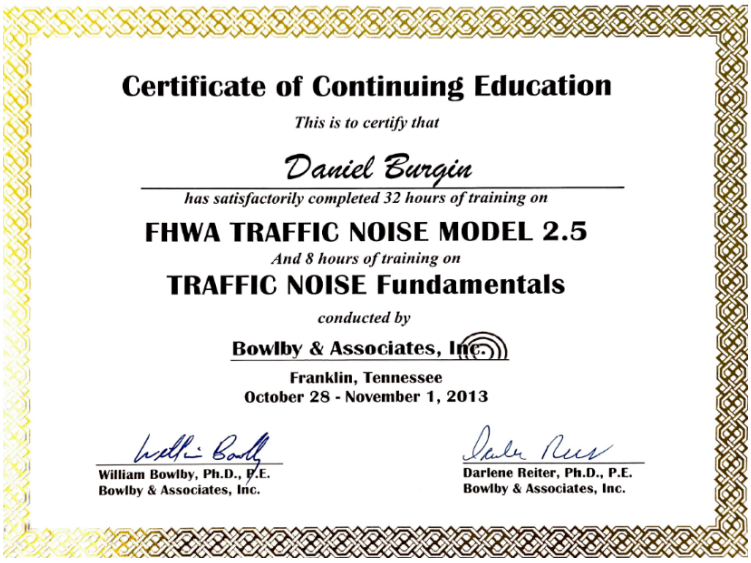
FOR THE COMPLETION OF:

Transit Noise and Vibration Impact Assessment

October 22-24, 2019
Phoenix, AZ
CEUs Awarded: 1.8

RUTGERS

Billy Terry
Director, NTI



Certificate of Continuing Education

This is to certify that

Daniel Burgin

has satisfactorily completed 32 hours of training on

FHWA TRAFFIC NOISE MODEL 2.5

And 8 hours of training on

TRAFFIC NOISE Fundamentals

conducted by

Bowlby & Associates, Inc.

Franklin, Tennessee
October 28 - November 1, 2013

William Bowlby, Ph.D., P.E.
Bowlby & Associates, Inc.

Darlene Reiter, Ph.D., P.E.
Bowlby & Associates, Inc.



U.S. Department of Transportation
Federal Highway Administration

RESOURCE CENTER

Certificate of Completion

Daniel Burgin

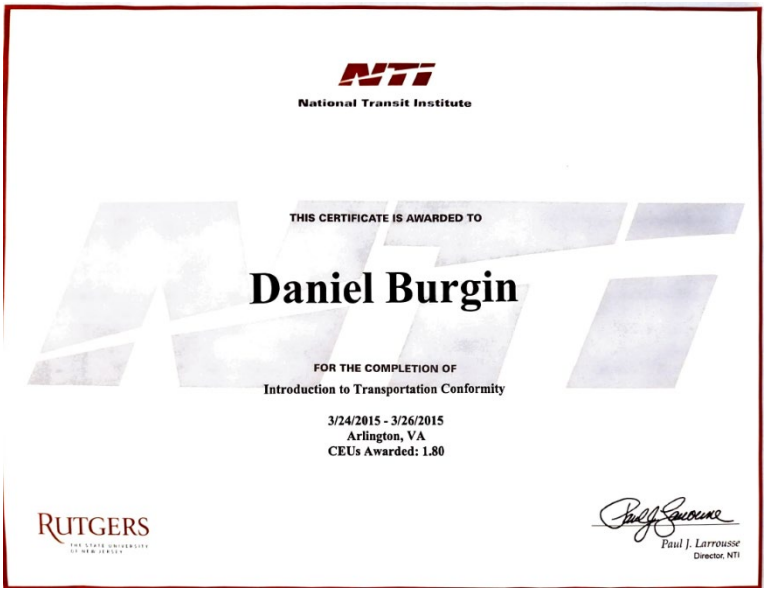
has successfully completed the

MOVES4 Workshop

Portland, OR
September 4-5, 2024

Hours of Instruction Enhancing Professional Development: 16

Chris Dresser
Air Quality Modeling Specialist
Federal Highway Administration



NTI
National Transit Institute

THIS CERTIFICATE IS AWARDED TO

Daniel Burgin

FOR THE COMPLETION OF
Introduction to Transportation Conformity

3/24/2015 - 3/26/2015
Arlington, VA
CEUs Awarded: 1.80

RUTGERS

Paul J. Larrousse
Director, NTI

Transportation Professional Certification Board Inc.

certifies that

Justin M. Maderia

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

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3455 issued in Washington, D.C., U.S.A.
July 22, 2013

Timothy P. Harpst
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Justin M. Maderia

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

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 604 issued in Washington, DC, USA

7/19/17

Michael K. Park
Chair

PTP
PROFESSIONAL TRANSPORTATION PLANNER

Jeffrey F. Paniati
Executive Director

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



SEARCH OUR ROSTER OF LICENSED GEOSCIENTISTS

PROFESSIONAL GEOSCIENTISTS

LICENSED IN THE STATE OF LOUISIANA

Name

MOHAN

License Number

State

Louisiana

Search

Menon, Mohan — License # 1217
Louisiana — Valid until Jan 09, 2027

Richard Chinn Environmental Training, Inc.

certifies that

Mohan Menon

has successfully completed a

38 Hour Army Corps of Engineers Wetland Delineation Training Program

issued Certificate No. 8615 and 3.8 CEUs on February 25 - 28, 2019 in Metairie, Louisiana
This course is pre-approved by the Society of Wetland Scientists Professional Certification Program to provide 2.5 Training Credits and/or Points.

Richard Chinn, PWS

Richard Chinn Environmental Training, Inc.
804 Cottage Hill Way, Brandon, FL 33511-8098
813.655.7549 • FAX: 813.354.4659 • info@richardchinn.com • http://www.richardchinn.com

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.



THE ACADEMY OF BOARD CERTIFIED ENVIRONMENTAL PROFESSIONALS

ATTESTS THAT

Cassandra Hart

IS HEREBY DECLARED TO BE A

CERTIFIED ENVIRONMENTAL PROFESSIONAL

IN

Environmental Assessment

BY THE CERTIFICATION REVIEW BOARD

ACTING UNDER THE AUTHORITY OF THE BOARD OF TRUSTEES

THIS 16th DAY OF APRIL 2012

LEAD REVIEWER, CERTIFICATION REVIEW BOARD

THE ACADEMY OF BOARD CERTIFIED ENVIRONMENTAL PROFESSIONALS
C E P
ESTABLISHED 1979

CHAIR, CERTIFICATION REVIEW BOARD

CERTIFICATION NUMBER: 12030649

Wetland Training Institute

This certifies that

Cassandra Hart

has completed training based in part on the U.S. Army Corps of Engineers Wetland 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

Given at e Session - Houston Field Practicum

On March 10-11 , 20 14

Robert J. Pierce
Course Coordinator

Wetland Training Institute

This certifies that

Hunter Guidry

has completed training based in part on the U.S. Army Corps of Engineers Wetland 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

Given at Covington, Louisiana

On September 15-19, 20 14

James T. Witford

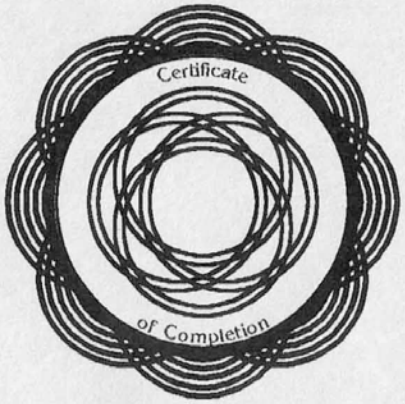
Course Coordinator

Certificate of Completion

This certifies that

WALKER WILSON

has successfully completed a training course that is 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.



Presented by
WETLAND RESOURCES Environmental Consulting

Gena Todia

Gena Todia, President

25 Aug 2006

Date



THE

Register of Professional Archaeologists

Certifies that

J. Lauran Riser, M.A., RPA

Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologi

President

10/12/09
Date

Print this certificate Close this window

Certificate of Completion

This is to certify that
Lauran J. Switzer
has successfully completed
The Advisory Council on Historic Preservation's
What is Section 106

May 15, 2023

1138

This is to certify that

Douglas C. Wells

has completed the
National Preservation Institute seminar

Section 106: An Introduction

Baton Rouge, LA • March 7-9, 2006

Executive Director, National Preservation Institute

March 9, 2006
date

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 Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 990 issued in Washington, DC, USA

07/17/2019

Diane Morabito
Chair

PTP
PROFESSIONAL
PLANNER

Jeffrey F. Paniati
Executive Director

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

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 4846 issued in Washington, DC, USA

11/20/17

Michael K. Park
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

ARI DEITCH

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

Local Coordinator

Valerie Briggs

Valerie Briggs, Director
National Highway Institute

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

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

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



National Highway Institute

Certificate of Training

Sridhar Basetty

has participated in

NHI Course No. 133078 -
Access Management, Location and Design

hosted by

LA DOTD/LTRC

Date: April 8-10, 2014 *Hours of Instruction:* 18
Location: Bossier City, LA

Instructor
Instructor
Allison H. Landry
Local Coordinator
Richard Barnaby, Director
National Highway Institute



National Highway Institute

Certificate of Training

SRIDHAR BASETTY

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, 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

PRESENTED TO

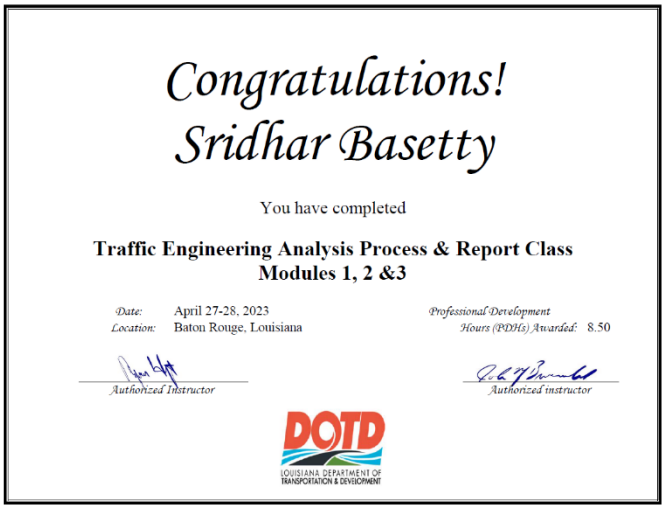
Sridhar Basetty

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 *Professional Development Hours (PDH(s) Awarded:* 8.50
Location: Baton Rouge, Louisiana

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

Timothy D. Harpst
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

U.S. Department
Of Transportation

Federal Highway Administration

NATIONAL HIGHWAY INSTITUTE

National Highway Institute

Certificate of Training

James E. Simmons

has participated in

NEPA and Transportation Decision Making

hosted by

LADOTD / LTRC

Location: Baton Rouge, LA

Hours of instruction: 18

Date: **August 31 - September 2, 2004**

Instructor

Director, National Highway Institute
Federal Highway Administration

Coordinator

Director, Office of Professional Development
Federal Highway Administration

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

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

TJ B Stokes

has attended

Traffic Control Supervisor-LA State Specific

Training Course

11/30/2022 to 11/30/2026
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

This certificate acknowledges that

TJ Stokes

has successfully completed the training course:

Cybersecurity Awareness WBT

on

03/03/2026

STATECIVILSERVICE

This document is intended to be used solely for the purpose of documenting the individual's completion of this SCS web-based training.

https://nicet.useclarus.com/view/verify/

YouTube Maps Sign in to Outlook Vantagepoint Facebook (13) Feed | LinkedIn Eustis Engineering L... Eustis Engineering L... Meta Business Suite https://www.canva.c...

Matched Results



Last Name	First Name	Credential Type	Credential #	Effective Date	Expiration Date
Rome	Larry	Geotechnical - Generalist Level III	95800	2004-06-23	2028-02-01
Rome	Larry	Geotechnical - Construction Level II	95800	2004-02-13	2028-02-01
Rome	Larry	Geotechnical - Laboratory Level IV	95800	2005-01-17	2028-02-01
Rome	Larry	Construction Materials Testing - Soils Level II	95800	2005-04-05	2028-02-01
Rome	Larry	Construction Materials Testing - Concrete Level I	95800	2012-02-22	2028-02-01
Rome	Larry	Construction Materials Testing - Soils Level III	95800	2012-02-22	2028-02-01
Rome	Larry	Construction Materials Testing - Concrete Level II	95800	2015-07-17	2028-02-01
Rome	Larry	Highway Materials Level III	95800	2016-06-22	2028-02-01
Rome	Larry	Construction Materials Testing - Soils Level IV	95800	2016-09-13	2028-02-01

Office of Conservation
Department of Energy and Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Energy and Natural Resources
State of Louisiana

hereby certifies that

EUSTIS ENGINEERING, LLC

LARRY ROME

has been licensed to drill environmental wells under the provisions of R.S. 38:3098 and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires ***June 30, 2026*** unless renewed, revoked or suspended by the licensing authority as prescribed by statue.

Signed and sealed this ***14th*** day of ***May*** , ***2025***

GAVIN D. BROUSSARD
ENVIRONMENTAL DIVISION ADMINISTRATOR
Office of Conservation
Louisiana Department of Energy and Natural Resources

License No. WWC- ***# 267***

Your search returned 4 records.

Ryan A Rodrigue
ACI Concrete Laboratory Testing Technician - Level 1
Started: October 23, 2024
Expires: October 22, 2029
Luling, LA 70070 United States

Ryan A Rodrigue
ACI Aggregate Base Testing Technician
Started: October 12, 2023
Expires: October 11, 2028
Luling, LA 70070 United States

Ryan A Rodrigue
ACI Aggregate Testing Technician - Level 1
Started: October 23, 2024
Expires: October 22, 2029
Luling, LA 70070 United States

Ryan A Rodrigue
ACI Concrete Strength Testing Technician
Started: November 13, 2021
Expires: November 12, 2026
Luling, LA 70070 United States

EnviroCert International, Inc.®

certifies that

Lina S Khoury

Subscribes to the Code of Ethics and Professional Conduct and has met the requirements established for the CPESC® Program as a

Certified Professional in Erosion and Sediment Control®

CPESC® Number: 9267

Certificate Date: February 20, 2019

Jim O'Tousa, EnviroCert Technical Co-Chair

Michael R. Chase, EnviroCert Technical Co-Chair

Robert Anderson, EnviroCert Board President

The CPESC® Certification was established in 1983

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

Lina S. Khoury, CFM

IS DULY REGISTERED AS AN

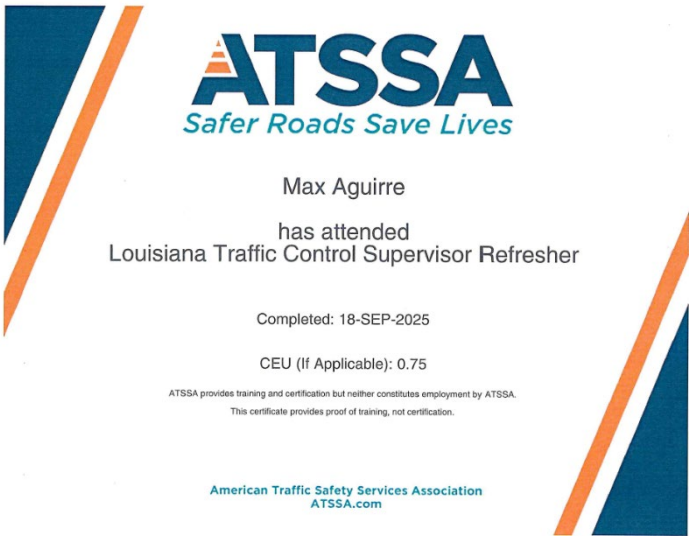
ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-19-11213, ISSUED 8/2/2019. THIS CERTIFICATE SHALL EXPIRE 1/31/2026, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, ROGER LINDSEY, P.E., CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM

ASFPM CFM® CERTIFIED



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



TPCB

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



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

7/18/2022

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

8/8/2021

Deborah Snyder
Chair

RSP1 ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

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

The American Institute of Certified Planners

The Professional Institute of the American Planning Association

hereby qualifies

Julie Anne McQueen

as a member
with all the benefits
of a Certified Planner and
responsibility to the
AICP Code of Ethics
and Professional Conduct.

Certified Planner Number: **021863**

August 13, 2007

PRESIDENT

EXECUTIVE DIRECTOR

The American Institute of Certified Planners

The Professional Institute of the American Planning Association

hereby qualifies

Kovid Saxena

as a member
with all the benefits
of a Certified Planner and
responsibility to the
AICP Code of Ethics
and Professional Conduct.

Certified Planner Number: 022351

January 25, 2008

PRESIDENT

EXECUTIVE DIRECTOR

The American Planning Association's
Professional Institute
American Institute of Certified Planners

Creating Great Communities for All

April 9, 2026

AICP Certification Verification for Daniel Arnold, 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: 06/05/2025
AICP Certification Number: 37117
AICP Certification End Date: 06/30/2026

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,

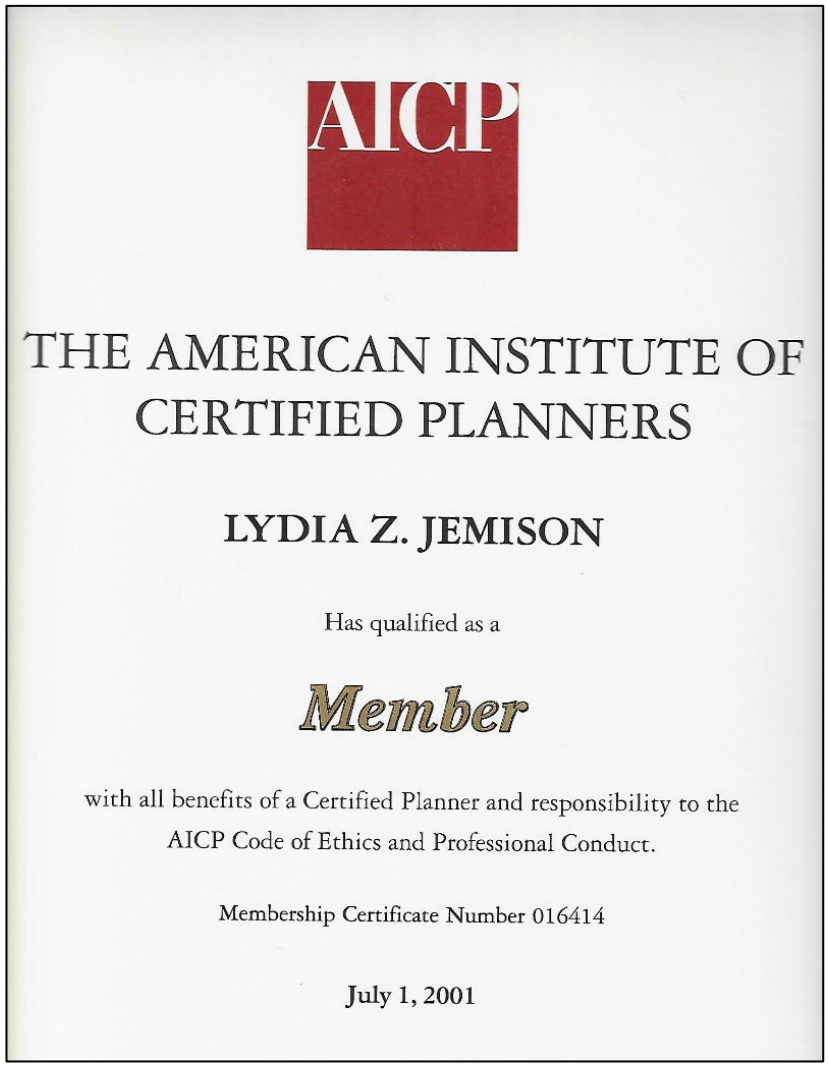
Renee Kronon-Schertz
Certification Program Manager
AICP@planning.org

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


AICP
THE AMERICAN INSTITUTE OF CERTIFIED PLANNERS
LYDIA Z. JEMISON
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 016414
July 1, 2001

American Institute of Certified Planners

Jennifer Humphreys, AICP

APA ID: 154477

AICP Start Date: 04/01/2005
AICP Certification #: 19741

CM Reporting Period Ends: 05/31/2026
CM Grace Period Ends: 05/31/2026

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

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



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



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

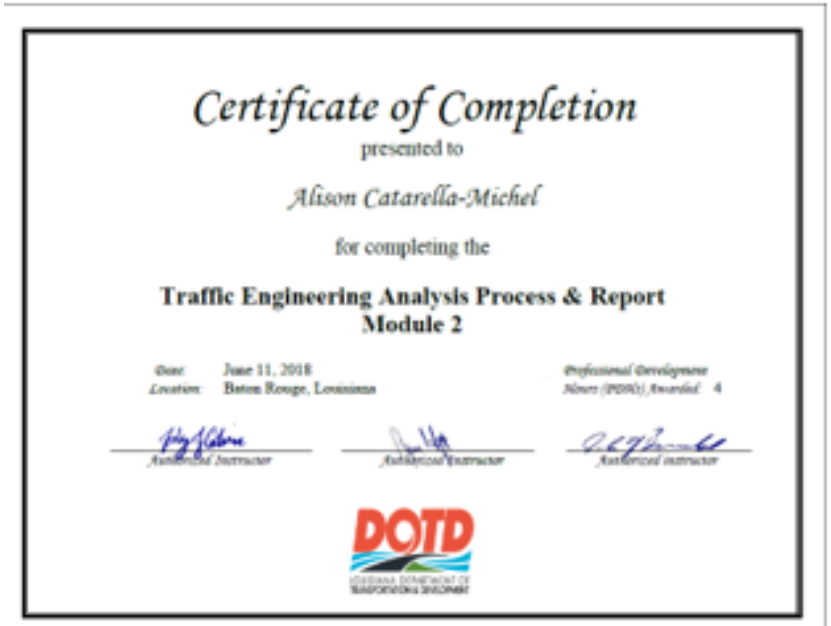
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDH) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

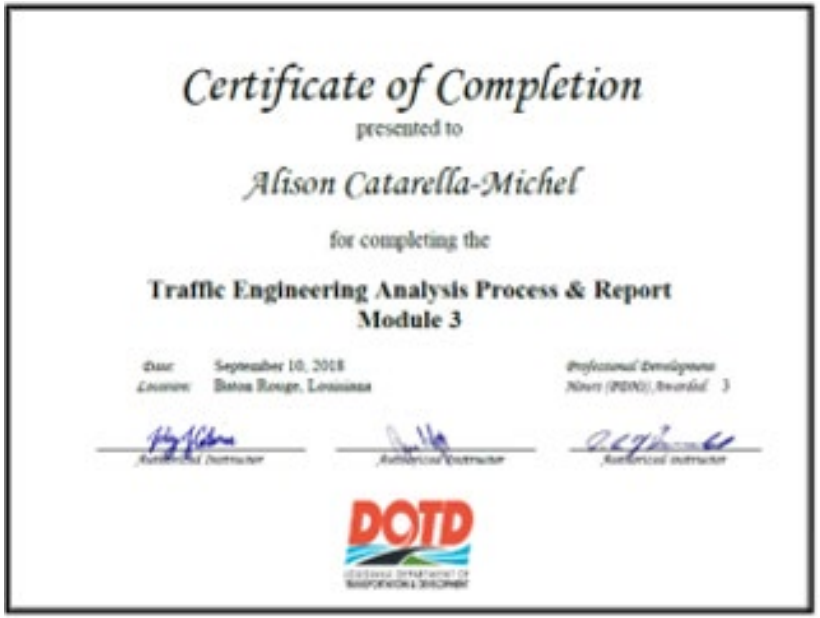
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDH) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



ATSSA

Safer Roads Save Lives

Nicole Stewart

has attended
Louisiana Traffic Control Supervisor

Completed: 26-FEB-2025

CEU (If Applicable): 1.5

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

American Traffic Safety Services Association
ATSSA.com



Certificate of Completion

presented to

Nicole Stewart

for completing the

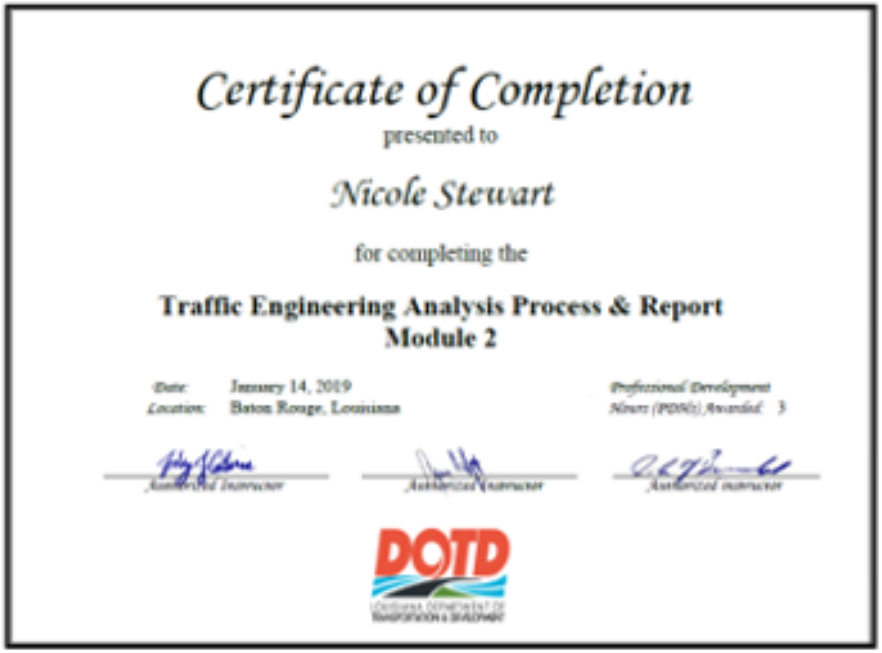
Traffic Engineering Analysis Process & Report
Module 1

Date: January 14, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 14, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: January 15, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Training

this certifies that

Matthew M. Morgan

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this 23rd *day of* August 2022

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



Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDH) Awarded: 2

DOTD



Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDH) Awarded: 3

DOTD



Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDH) Awarded: 3

DOTD



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Perry Smith Jr.

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

6/24/2022 to 6/24/2026
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

OPENROADS SURVEY

CERTIFICATION OF COMPLETION

THIS OFFICIALLY CERTIFIES THAT

KALEB BROOKS

HAS SUCCESSFULLY COMPLETED THE 24 HR OPENROADS FUNDAMENTALS CLASS
STARTING ON THE 12TH OF MARCH 2024 AND ENDING ON THE 14TH OF MARCH 2024
AND HAS EARNED 24 PROFESSIONAL DEVELOPMENT HOURS

ZEN CERTIFIED

by Mark S. Ditko

by Jeff Martin, PE

(Zen Engineering Instructors)

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
COASTAL ENVIRONMENTS, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: COASTAL ENVIRONMENTS, INC.
Charter Number: 27701120D
Registration Date: 1/6/1967
Domicile Address
1260 MAIN STREET
BATON ROUGE, LA 70802
Mailing Address
1260 MAIN STREET
BATON ROUGE, LA 70802
Principal Office Address
1260 MAIN STREET
BATON ROUGE, LA 70802

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 1/6/1967
Last Report Filed: 12/8/2025
Type: Business Corporation

Registered Agent(s)

Agent: CAPITOL CORPORATE SERVICES, INC.
Address 1: 8550 UNITED PLAZA BUILDING II, STE. 305
City, State, Zip: BATON ROUGE, LA 70809
Appointment Date: 6/15/2022

Officer(s)

Additional Officers: No

Officer: BETTY GAGLIANO
Title: Director, Officer
Address 1: 929 E. LAKEVIEW DR.
City, State, Zip: BATON ROUGE, LA 70810

Officer: MARK GAGLIANO
Title: Vice-President, Secretary/Treasurer, Director

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
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
GIS ENGINEERING, L.L.C.	Limited Liability Company	GALLIANO	Active

Previous Names

Business: GIS ENGINEERING, L.L.C.
Charter Number: 42116621K
Registration Date: 12/28/2015

Domicile Address

18838 HWY 3235
GALLIANO, LA 70354

Mailing Address

P.O. BOX 820
18838 HWY 3235
GALLIANO, LA 70354

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 12/28/2015
Last Report Filed: 12/1/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: DAN ST. GERMAINE
Address 1: 18838 HIGHWAY 3235
City, State, Zip: GALLIANO, LA 70354
Appointment Date: 1/27/2017

Officer(s)

Additional Officers: No

Officer: DANIEL ST. GERMAINE
Title: Manager
Address 1: 18838 HIGHWAY 3235
City, State, Zip: GALLIANO, LA 70354

Officer: MARK PREGEANT, II
Title: Manager
Address 1: 18838 HWY. 3235
City, State, Zip: GALLIANO, LA 70354

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
THE HAWTHORNE AGENCY, INC.	Business Corporation	NEW ORLEANS	Active

Previous Names

Business: THE HAWTHORNE AGENCY, INC.
Charter Number: 35413656D
Registration Date: 1/23/2003

Domicile Address

615 BARONNE ST.
SUITE 200
NEW ORLEANS, LA 70113

Mailing Address

615 BARONNE ST.
SUITE 200
NEW ORLEANS, LA 70113

Principal Office Address

615 BARONNE ST.
SUITE 200
NEW ORLEANS, LA 70113

Status

Status: **Active**
Annual Report Status: **Not In Good Standing for failure to file Annual Report**
File Date: 1/23/2003
Last Report Filed: 3/13/2025
Type: Business Corporation

Registered Agent(s)

Agent: BRYAN C. REUTER
Address 1: 909 POYDRAS ST., STE. 2500
City, State, Zip: NEW ORLEANS, LA 70112
Appointment Date: 1/15/2009

Officer(s)

Additional Officers: No

Officer: GENEVA W. COLEMAN
Title: President, Director
Address 1: 818 HOWARD AVE

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
THE LAKVOLD GROUP LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: THE LAKVOLD GROUP LLC
Charter Number: 34882713K
Registration Date: 1/24/2000

Domicile Address

4520 JAMESTOWN AVENUE, SUITE 6
BATON ROUGE, LA 70808

Mailing Address

C/O 4520 JAMESTOWN AVENUE, SUITE 6
ANGELA LEMOINE-LAKVOLD
BATON ROUGE, LA 70808

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 1/24/2000
Last Report Filed: 12/26/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: DAVID EARL LAKVOLD
Address 1: 6812 SOUTH WOODGATE COURT
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 1/24/2000

Agent: ANGELA LEMOINE-LAKVOLD
Address 1: 6812 SOUTH WOODGATE COURT
City, State, Zip: BATON ROUGE, LA 70808
Appointment Date: 10/20/2022

Officer(s)

Additional Officers: No

Officer: DAVID EARL LAKVOLD
Title: Member
Address 1: 6812 SOUTH WOODGATE COURT

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
N-Y ASSOCIATES, INC.	Business Corporation	METAIRIE	Active

Previous Names

N Y ASSOCIATES, INC. (Changed: 10/10/2007)

N Y ENGINEERING COMPANY, INC. (Changed: 4/22/1970)

Business: N-Y ASSOCIATES, INC.
Charter Number: 28626840D
Registration Date: 6/24/1969

Domicile Address

2750 LAKE VILLA DRIVE
METAIRIE, LA 70002

Mailing Address

C/O MICHAEL F. NICOLADIS
2750 LAKE VILLA DR.
METAIRIE, LA 70002

Principal Office Address

2750 LAKE VILLA DRIVE
METAIRIE, LA 70002

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 6/24/1969
Last Report Filed: 5/25/2025
Type: Business Corporation

Registered Agent(s)

Agent: MICHAEL F. NICOLADIS
Address 1: 2750 LAKE VILLA DR.
City, State, Zip: METAIRIE, LA 70002
Appointment Date: 5/28/2003

Officer(s)

Additional Officers: No

Officer: FRANK NICOLADIS
Title: Director
Address 1: 2750 LAKE VILLA DRIVE

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
T. BAKER SMITH, LLC	Limited Liability Company	HOUMA	Active

Previous Names

T. BAKER SMITH, L.L.C. (Changed: 3/23/2011)
T. BAKER SMITH, INC. (Changed: 12/13/2010)
T. BAKER SMITH & SON, INC. (Changed: 4/20/2005)

Business: T. BAKER SMITH, LLC
Charter Number: 26901340K
Registration Date: 1/7/1965

Domicile Address

412 SOUTH VAN AVENUE
HOUMA, LA 70363

Mailing Address

P.O. BOX 2266
HOUMA, LA 70361

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 1/7/1965
Last Report Filed: 12/8/2025
Type: Limited Liability Company

Registered Agent(s)

Agent: KENNETH W. SMITH
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363
Appointment Date: 10/29/2001

Officer(s)

Additional Officers: No

Officer: KENNETH W. SMITH
Title: Manager
Address 1: 412 SOUTH VAN AVENUE
City, State, Zip: HOUMA, LA 70363

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
URBAN SYSTEMS ASSOCIATES, INC.	Business Corporation	NEW ORLEANS	Active

Previous Names

Business: URBAN SYSTEMS ASSOCIATES, INC.
Charter Number: 30812980D
Registration Date: 11/12/1974

Domicile Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Mailing Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Principal Office Address

2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 11/12/1974
Last Report Filed: 10/14/2025
Type: Business Corporation

Registered Agent(s)

Agent: ALISON MICHEL
Address 1: 2000 TULANE AVE
Address 2: SUITE 200
City, State, Zip: NEW ORLEANS, LA 70112
Appointment Date: 12/31/2019

Officer(s)

Additional Officers: No

Officer: ALISON C. MICHEL
Title: President

ARCADIS

QUALITY CONTROL / QUALITY ASSURANCE

Bridge Design

ST. BERNARD LIT CORRIDOR

Contract No. 4400035009

State Project Nos. H.015428.2

F.A.P. No. H015428

Route: New Roadway

St. Bernard Parish, LA

Prepared For

DOTD

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Appendix I — Consultant Project Submittal QA/QC Certification

Appendix J — Project Activity Log Sheet

Consultant Submittal Review Checklist

1.1. 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 (LADOTD) *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.

1.2. 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.

1.3. 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 LA DOTD is not responsible for the QA/QC of its consultants' work. The individual

roles, responsibilities, and requirements of the Arcadis design team and the LA DOTD Bridge Task Manager are described in Section 3.0. All personnel working on any task order shall follow the design policies and procedures described herein.

1.4. Summary of Project Scope of Work

The selected Consultant shall provide the following scope of engineering services. The selected Consultant should expect to perform task orders for specialized services.

Task 0: Initial Services

Arcadis shall prepare and submit an initial work plan to DOTD for review and approval within fifteen (15) calendar days of notification of selection. The work plan shall identify a subset of services described under Tasks 1 and 2 that are critical to maintaining the project schedule.

Upon approval of the work plan, DOTD may issue a Notice to Proceed (NTP) authorizing Arcadis to perform only those services identified in the approved work plan prior to completion of full contract negotiations for Tasks 1 and 2.

Task 1: Contract Management/Project Management

Contract Management includes all activities necessary to manage, coordinate, facilitate, and deliver the items specified in this contract. Arcadis shall be responsible for managing the overall project and ensuring that all deliverables are provided, as well as coordinating with LADOTD. The general tasks required include, but are not limited to, the following:

A. Document Control - The Consultant shall be responsible for uploading, maintaining, and organizing all submittals, plans, correspondence, and other pertinent project documentation to the designated document control system.

B. Invoicing - The Consultant shall provide the LADOTD Project Manager with monthly invoices using the Department's current standard form for invoicing. Invoices shall include a project schedule.

C. Meetings and Meeting Coordination - The Consultant shall prepare for, assist with, and/or facilitate, and prepare meeting minutes for all meetings conducted for the Project.

D. Project Tracking - The Consultant shall manage and coordinate with appropriate parties and personnel and provide the LADOTD Project Manager with project documentation including, but not limited to, a project roster, monthly updates (including the project schedule), comment and response logs, and a log of submittals.

Task 2: Pre-NEPA Activities

Arcadis shall further advance the Stage 0 findings by performing preliminary engineering and data collection before formally initiating the NEPA process. The general tasks required include, but are not limited to, the following:

A. Review all previous studies or plans available through the Regional Planning Commission, the Port of New Orleans, St. Bernard Parish, and/or LADOTD.

B. Review Stage 0 study and identify gaps relative to EIS requirements. Prepare a document (Planning and Environmental Linkage (PEL) to NEPA crosswalk) identifying PEL decisions to be adopted; data that will be used as a reference in the EIS; data that may need to be updated; and public involvement and agency coordination adequacy.

C. Refine Statement of Purpose and Need for the project.

D. Perform Quality Level D subsurface utility engineer (SUE) along the alternatives.

E. Perform preliminary hydrologic and hydraulic analysis to confirm drainage patterns and support line and grade drawings and bridge concepts.

F. Production of a DTM or TIN surface/Model of the corridor from existing LIDAR data. Existing lidar data shall be downloaded from USGS TNM Downloader (v2.0) in the format of a DEM (Digital Elevation Model) or LAS (Point Cloud).

G. Collect traffic data and perform corridor study to determine intersection control types and other improvements, at tie-ins and rail crossing locations for each alternative. Perform high-level screening to identify corridors adversely affected by each alternative.

H. Further collect traffic counts and other pertinent data to perform traffic analysis of the study area using the latest LADOTD-approved software. Grow the traffic volumes using LADOTD-approved methods and analyze the future conditions. Perform Safety Analysis. Utilize the collected data to analyze alternatives that accomplish the goals of the Purpose and Need.

I. Develop line and grade drawings and typical sections for each of the alternatives.

J. Prepare a bridge concept study report to demonstrate the technical viability of the build alterative. The bridge report shall include, but is not limited to, the following supporting documentation for each alternative: design criteria, preliminary designs for the superstructure and substructure, constructability review, life cycle cost analysis, and maintainability.

K. Initiate environmental analysis and begin preparation of reports, including field work, that can be completed before initiating the NEPA process. External agency review and coordination will occur under Task 3.

L. Perform geotechnical exploration (e.g., CPTs and deep borings) and testing selected locations along each of the alternatives. Perform geotechnical analysis to provide preliminary design parameters for deep foundations, embankments/walls, and possible mitigation measures for problematic soil conditions, if identified. Perform all investigation and reporting in accordance with the currently published LADOTD Geotechnical Design Manual and all design/analysis in accordance with current AASHTO and NHI standards and recommended practices. Submit the results of the geotechnical investigations and analysis work in a Geotechnical Data Report (GDR) and a Geotechnical Interpretation Report (GIR), respectively.

M. Prepare “intermediate” toll analysis, including detailed traffic and revenue forecasts for each of the alternatives.

N. Update conceptual cost estimate for each alternative, including intersection alternatives.

O. Prepare a list of potential cooperating and participating agencies. Develop a preliminary agency coordination plan to present to cooperating and participating agencies for review and consensus. Update the list of agencies and coordination plan throughout the project as needed.

P. Prepare a list of stakeholders and their contact information, including, but not limited to, interested entities, governmental and elected officials, utilities, railroads, environmental groups, civic groups, and neighborhood associations. Develop a preliminary public involvement plan for review. Update the list of stakeholders and public involvement plan

throughout the project as needed.

Q. Prepare and update, as needed, a draft Financial Plan as required in accordance with 23 U.S.C. 106(h).

R. Prepare and update, as needed, a draft Project Management Plan (PMP) as required in accordance with 23 U.S.C. 106(h).

Task 3: Environmental Evaluation

Arcadis shall perform all work necessary to obtain environmental approval for the project. The work shall be based on the findings of the completed Enhanced Planning investigation for the project and shall conform to the NEPA guidelines and all other applicable laws and regulations. The general tasks required include, but are not limited to, the following:

A. Complete preliminary items, including but not limited to preparation of Solicitation of Views.

B. Refine the statement of Purpose and Need for the project.

C. Prepare a list of potential cooperating and participating agencies. Develop a preliminary agency coordination plan to present to cooperating and participating agencies for review and consensus. Update the list of agencies and coordination plan throughout the project as needed. Implement agency coordination plan.

D. Prepare a list of stakeholders and their contact information, including, but not limited to, interested entities, governmental and elected officials, utilities, railroads, environmental groups, civic groups, and neighborhood associations. Develop a preliminary public involvement plan for review. Update the list of stakeholders and public involvement plan throughout the project as needed. Implement public involvement plan.

E. Refine and evaluate the build alternatives advanced from Task 2: Pre-NEPA Activities and the no-build alternative.

F. Conduct at least one (1) public meeting.

G. Finalize line and grade drawings and typical sections for each of the alternatives and complete the engineering report.

H. Perform bridge activities needed to support the NEPA process, including, but not limited to, preliminary design refinements, aesthetic and context-sensitive design considerations, and agency and stakeholder meetings. Supplement the bridge concept study report to reflect NEPA related findings.

I. Complete environmental analysis and technical reports. Analyses and technical reports shall include, but are not limited to, noise and air studies, cultural resources surveys, biological surveys, wetland delineations, threatened and endangered species surveys, community impact analyses, conceptual stage relocation plan, phase 1 environmental site assessments, economic studies, and Section 4(f) and Section 6(f) evaluations. This may include finalizing analyses done prior to NEPA. Develop a matrix for comparing the remaining alternatives.

J. Prepare all environmental documentation, including EIS and Record of Decision documents, mitigation compliance plan, public involvement transcripts, responses to comments, technical reports, etc. Compile and maintain the associated project record in an organized format. All documents for public distribution should be reader-friendly in an accessible PDF format, properly formatted and bookmarked with metadata, and have read-

aloud capability for posting on the internet.

K. Refine the cost estimates for the alternatives, including engineering design, right-of-way, utility relocations, environmental commitments and mitigation, and construction, including construction traffic mitigation, and construction administration and inspection.

L. Coordinate with FHWA and cooperating agencies to select the preferred alternative.

M. Conduct at least one (1) public hearing.

N. Prepare other documentation, including any required for mitigation and for federal, state, and local permit applications. Fill out all required permit applications.

O. Develop detailed cost estimates and associated financial risks and uncertainties for the preferred alternative and participate in the Cost Schedule Risk Assessment (CSRA) with LADOTD and FHWA.

P. Update the Financial Plan as required in accordance with 23 U.S.C. 106(h).

Q. Update the Project Management Plan (PMP) as required in accordance with 23 U.S.C. 106(h).

Task 4: Preliminary Engineering and Data Collection (if required)

This work will be performed at the sole discretion of LADOTD. Under this task, Arcadis may be required to perform additional services, including, but not limited to, geotechnical investigations, hydraulic analyses, preparation of preliminary and final plans, and topographic surveys. Project phases and compensation will be determined under Supplemental Agreement(s), if required.

All work shall be performed in accordance with all applicable LADOTD policies, procedures, and manuals. Design criteria shall be developed and submitted to the Bridge Task Manager for review and approval before proceeding with the design.

Project submittals, the associated schedule, and the format shall be established for each Task Order. At a minimum, all bridge plan submittals shall be submitted in PDF format, and the 100% signed final plans shall be submitted in PDF format. Design and rating calculations shall be submitted in PDF format no later than 30 days after the 100% final plan submittal. Unless waived by the Task Order Project Manager, ProjectWise shall be utilized for all PDF submittals, and digital plan delivery will be required. See the following website for details on digital plan delivery: https://dotd.la.gov/about/office-of-project-delivery/engineering/road-design/digital-plans-delivery/

2. Project Team

Arcadis will be the prime consultant for the project. Arcadis will manage the contract and is responsible for Planning/Environmental, Bridge Design, Roadway Design, Traffic, hydraulics, drainage, and overall QA/QC of the design documents.

The sub-consultants, **GIS Engineering, LLC**, will be responsible for surveying, **Eustis Engineering LLC** will provide geotechnical services for bridge design, and **T. Baker Smith, LLC** will be responsible for subsurface utility engineering (SUE). Additional subconsultants **CDM Smith Inc.** will be responsible for tolling studies, **The Hawthorne Agency, Inc.** will lead public involvement, and **The Lakvold Group LLC** will be responsible for conceptual stage relocation plans. **N-Y Associates, Inc.** will support planning/environmental and public involvement, **Coastal Environments, Inc.** will support environmental investigations, and **Urban Systems Associates, Inc.** will support traffic engineering.

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	Jason Morrell, PWS	Arcadis
Quality Review	Bonnie Bynum (Environmental)	Arcadis
	Jonathan Reid, PE, PTOE, RSP (Alternative Development)	Arcadis
	Akhil Chauhan, PE, PTOE, PTP, PMP (Traffic & Safety)	Arcadis
	Kristen Kasmire, PE (Bridge)	Arcadis
	Jim Simmons, PE (Roadway)	N-Y Associates, Inc.
Bridge Design Lead	Victor Sanchez, PE	Arcadis
Roadway Design Lead	Jose L. Rodriguez, PE	Arcadis
Drainage Design Lead	Colin Sarratt, PE	Arcadis
Traffic Lead	Ari Deitch, PE, PTOE, PTP, RSP	Arcadis
Environmental Lead	Jason Morrell, PWS	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, Jason Morrell will be the team's administrative and technical point of contact for the LADOTD. All team communications to LADOTD will be through Mr. Morrell or his designee on a case-by-case basis, or at LADOTD'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.

3. 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
- LADOTD Bridge Design Manual
- LADOTD Bridge Design Technical Memoranda
- LADOTD 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

4. Design Team

As project manager, Mr. Morrell 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 the bridge concepts study and cost estimates. Mr. Sanchez's qualifications are clearly summarized in the attached 24-102 forms. He will be in charge of the preliminary and final design and cost estimation of the superstructure and substructure for the new bridge structures, if these additional services are requested by LADOTD.

Jose L. Rodriguez, PE of Arcadis, will lead the roadway design efforts for the project. He and his team are responsible for carrying out line and grade studies and engineering, as well

as preliminary and final plan preparation, if required. His credentials are also well highlighted in the relevant section of the 24-102 form.

Kristen Kasmire, PE of Arcadis and **Jim Simmors, PE** of N-Y Associates will serve as the overall Technical Advisors & QA/QC for bridge and roadway disciplines, respectively and bridges. Ms. Kasmire and Mr. Simmons will perform a detailed review of the contract documents, including the plan sets and specifications. Their credentials are also highlighted in the relevant section of the 24-102 form.

The design team mentioned above are responsible for developing a bridge concept study, line and grade study, associated reports, and cost estimates. In the event that LADOTD authorizes Additional Services under a Supplemental Agreement, the design team will be responsible for plan & profile sheets, preliminary and final design calculations, special provisions, and cost estimates for their respective disciplines. The designers are also required to follow the design criteria that will be developed for the project.

5. Bridge Plans Development

Before design efforts are initiated, detailed design criteria for roadway and bridge structures shall be proposed and approved by the LADOTD. Approval will be memorialized in a meeting/email or call record. Any changes to the design criteria will be reflected in a revised version that conforms to the expectations in LADOTD Policy on Quality Control and Quality Assurance (LADOTD 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 LADOTD calculation book checklist in Appendix B of the LADOTD 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 6 for an example of the form)

6. 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. LADOTD is not responsible for the quality of any contract deliverables. Ms. Kasmire of Arcadis will check the bridge concept study report and preliminary and final design plans for the bridge structures. 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 LADOTD 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.

7. QC Review

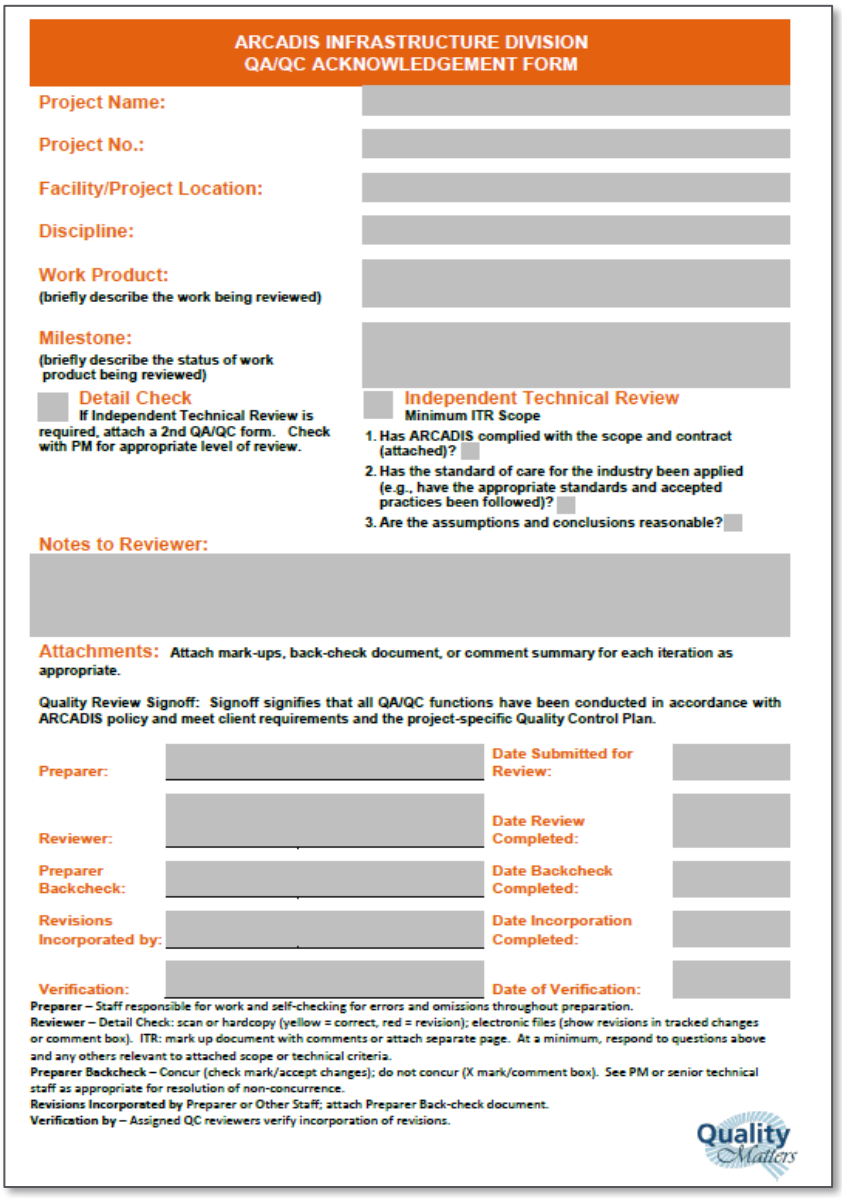
Based on Arcadis’ practice and established workflow on previous LADOTD projects, it is recommended that the review be initiated and completed at the end of each design stage. Individual pieces of the design, carried out throughout the project, shall be subjected to QC review before being transmitted or presented to LADOTD. 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

LADOTD 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.

8. QA Information Package

Upon satisfactory completion of the design and detail checks, the designer is required to prepare the QA Information Package using the LADOTD-approved checklist (Appendix C of the LADOTD 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.

9. 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 Jason Morrell, PWS, is ultimately responsible for ensuring that the QC Plan is implemented and that the Reviewer has completed all review steps. LADOTD 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. Morrell will coordinate with the Reviewer as required and maintain a record of QC forms, including the LADOTD checklists, QC/QA certification, Arcadis review forms, and other relevant information. Once the project 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 as final.

10. QC/QA Certificate

After the QA process by the Reviewer, the QC/QA certificate (Appendix D of the LADOTD 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.

11. Archiving Design Files

Mr. Morrell shall be responsible for transmitting all deliverables to LADOTD. All deliverables will be transmitted via LADOTD ProjectWise or another file transfer system if requested by LADOTD. Mr. Morrell 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 LADOTD'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.

12. Reference Material

Arcadis will use the following reference materials in our QC/QA process:

- AASHTO LRFD Bridge Design Specifications
- LADOTD Bridge Design & Evaluation Manual
- LADOTD Bridge Design Technical Memoranda
- AREMA Manual for Railway Engineering
- LADOTD Roadway Design Procedures and Details
- LADOTD Minimum Design Guidelines
- AASHTO Geometric Design of Highways and Streets
- LADOTD Policy on Quality Control and Quality Assurance
- Arcadis Policy on Records Retention and Management
- Arcadis Infrastructure Division Quality Matters Program

13. Software

A pre-approved list of software is posted on the LADOTD Bridge Design Section website under downloads (Appendix N of the LADOTD 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.

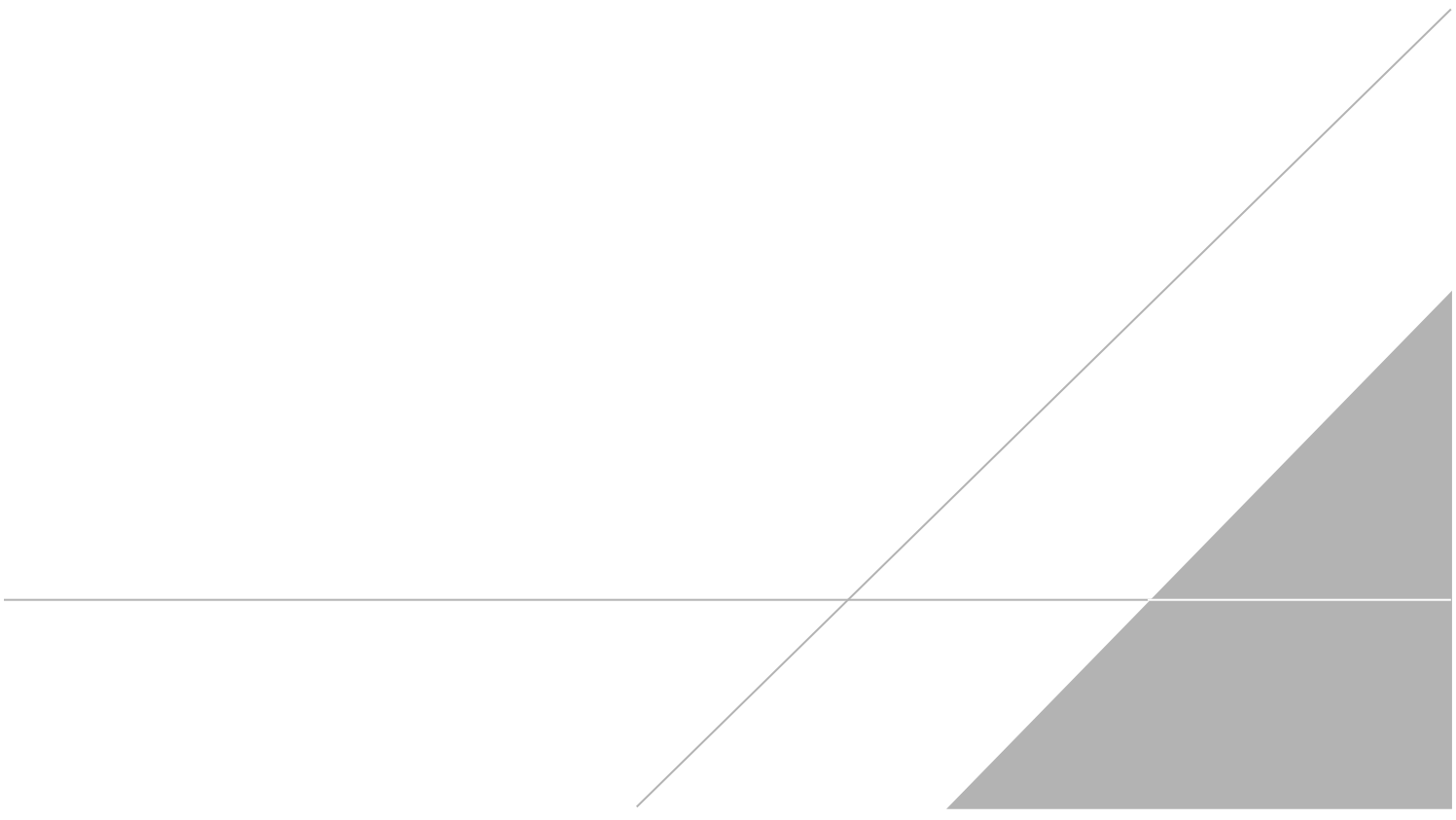
14. Deliverables

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 LADOTD Policy. This schedule will be reviewed regularly by the Project Manager, Jason Morrell, 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 LADOTD submittal and will be accompanied by a Consultant Submittal (QC/QA) Certification form (Appendix I of the LADOTD Policy).

APPENDICES

LADOTD POLICY ON QUALITY CONTROL AND QUALITY ASSURANCE



Design Criteria Checklist

(Appendix A of LADOTD 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:

- LADOTD 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 ɳD, redundancy factor ɳR, and operational importance factor ɳI 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 LADOTD 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:

- LADOTD 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 LADOTD 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 LADOTD 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 LADOTD 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 LADOTD 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 LADOTD Policy on Quality Control and Quality Assurance)

A kick-off meeting with the Consultant's bridge design team shall be initiated by the LADOTD Bridge Design Task Manager once the project is awarded. The meeting agenda shall include, but not limited to, the following items:

_____ **Introduce the LADOTD 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 LADOTD 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 LADOTD 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

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
N-Y ASSOCIATES, INC.	2750 Lake Villa Drive Metairie, LA 70002	Michael F. Nicoladis mnicoladis@n-yassociates.com	(504) 885-0500
EUSTIS ENGINEERING L.L.C.	3011 28th Street Metairie, LA 70002	Gwendolyn Sanders gsanders@eustiseng.com	(504) 834-0157
GIS ENGINEERING, L.L.C.	18838 Hwy 3235 Galliano, LA 70354	Jacob Loeske jloeske@gisy.com	(985) 665-2262
CDM SMITH INC.	1555 Poydras Street, Suite 1750 New Orleans, LA 70112	Carleen Flynn flynncm@cdmsmith.com	(407) 660-6423
COASTAL ENVIRONMENTS, INC.	1260 Main St. Baton Rouge, LA 70802	Jennifer Smith Jsmith@coastalenv.com	(225) 571-9030
THE LAKVOLD GROUP LLC	4520 Jamestown Avenue, Suite 6 Baton Rouge, LA 70808	Angela Lakvold angie@thelakvoldgroup.com	(225) 248-9984
THE HAWTHORNE AGENCY, INC.	615 Baronne St., Ste. 200 New Orleans, LA 70113	Geneva W. Coelman gcoleman@hawthorneagency.com	(504) 488-6100
URBAN SYSTEMS ASSOCIATES, INC.	2000 Tulane Ave. Suite 200 New Orleans, LA 70112	Alison Michael acmichel@urbansystems.com	(504) 569-3958
T. BAKER SMITH, LLC	180 Greenbriar Boulevard Covington, LA 70433	TJ Stokes tj.stokes@tbsmith.com	(225) 505-6739

23 LOCATION:

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS



Arcadis- developed rendering of proposed mid-level highway and railroad bridge at Violet Canal (Stage 0 Alternative 22)



Arcadis-developed rendering of proposed mid-level highway bridge at Bayou Bienvenue (Stage 0 Alternative 12)

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

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