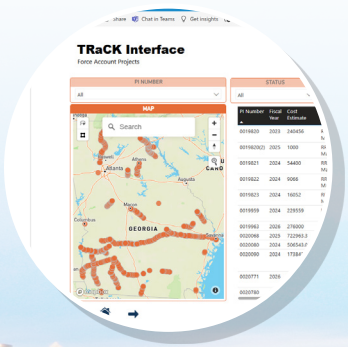
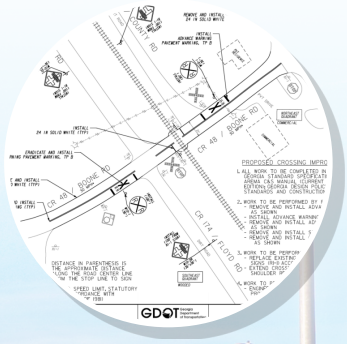
ARCADIS

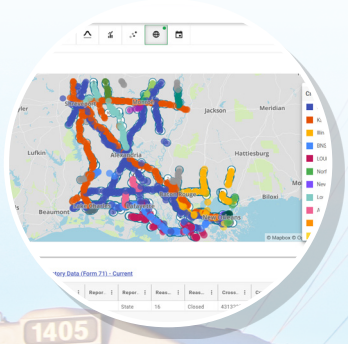


Arcadis- Developed TRaCK Interface

Railroad Crossing Inventory



Arcadis- Proposed Safety Improvements



FRA Inventory Data Visualization Tool

CONTRACT NO. 4400033940

JANUARY 13, 2026

IDIQ CONTRACT FOR STATEWIDE RAILROAD SAFETY

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Tuesday, January 13, 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. 4400033940 - IDIQ Contract for Statewide Railroad Safety**

Dear Project Evaluation Team,

The Arcadis Team is prepared to provide all services under this IDIQ contract. We have performed similar railroad safety services to state highway administrations throughout the country for more than **12 years**, and we appreciate the opportunity to serve Louisiana in its efforts to improve railroad crossing safety statewide.

OUR EXPERIENCE

Collectively, our team has **completed railroad safety, planning, track design, crossing modification designs, and environmental services throughout North America, including Louisiana, of all scales and complexity.** This includes comprehensive reviews of corridors including site visits, GIS mapping, and analysis of historical crash, traffic, and train movement data to guide recommended improvements or closure/consolidation of crossings. We have conducted railroad crossing hazard analyses and developed plan programs in compliance with **Federal Section 130 regulations** for safety improvements at numerous public grade crossings across multiple states. **To date, we have evaluated more than 2,000 crossings along Class I and Shortline railroads throughout the southeast region**.

OUR STRENGTHS

Our team combines industry-leading expertise and technologies with a commitment to innovative solutions; all aimed at making our clients' work easier and ensuring successful project delivery. We leverage **innovative tools and interactive dashboards such as PowerBI and the TRaCK Interface to monitor project progress, manage milestones, and deliver real-time data to support informed decision-making**. In addition, we bring extensive, hands-on experience managing Force Account Projects as part of a comprehensive Section 130 Program. We take full ownership of scope, schedule, and budget—ensuring every project is delivered on time and within the agreed-upon fee. This unwavering commitment to accountability and quality provides our clients with peace of mind through the project lifecycle.

OUR MOTIVATION

At Arcadis, our purpose is to create lasting, positive change—placing quality of life at the center of everything we do. Every project we deliver is an opportunity to shape safer, more sustainable, and more connected communities for generations to come.

We are excited about the opportunity to continue partnering with LADOTD to strengthen the safety, service, and reliability of Louisiana's transportation network. Thank you for your time and consideration.

Sincerely,

Akhil Chauhan PE, PTOE, PTP, PMP
Principal Engineer

Kester Hollier, PE, PTOE
Senior Transportation Engineer

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS

1-11

Arcadis has railroad safety improvement experience working with Departments of Transportation and Rail clients across the United States. Specifically, in our collaboration with the Georgia DOT, we have initiated and managed over 60 force account agreements between the State and various railroad companies. Through these agreements, we have facilitated the allocation of more than **$18 million** to enhance safety at highway-rail crossings throughout Georgia.

RAILROAD

GDOT Georgia Department of Transportation

CN

PATRIOT RAIL

ALDOT Alabama Department of Transportation

UNION PACIFIC RAILROAD

GS

CSX

CPR CaterParrott Railnet

CPKC

NS NORFOLK SOUTHERN

ABC Florida East Coast

GENESEE G&W WYOMING

BNSF RAILWAY

Palmetto RAILWAYS

TRANSIT

Metro

SEPTA

Metra

Massachusetts Bay Transportation Authority

AMTRAK

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR STATEWIDE RAILROAD SAFETY STATEWIDE
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400033940
3. State Project Number(s), if shown in the advertisement	-
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**	Kester Hollier, PE *Project Manager* P. 504 343 9579| E. Kester.Hollier@arcadis.com
9. **Name, title, phone number, and email address of the official with signing authority for this proposal**	Akhil Chauhan, PE, PTOE, PTP, PMP *Senior Vice President* P. 225 368 6563 | E. akhil.chauhan@arcadis.com

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: Date: January 13, 2026

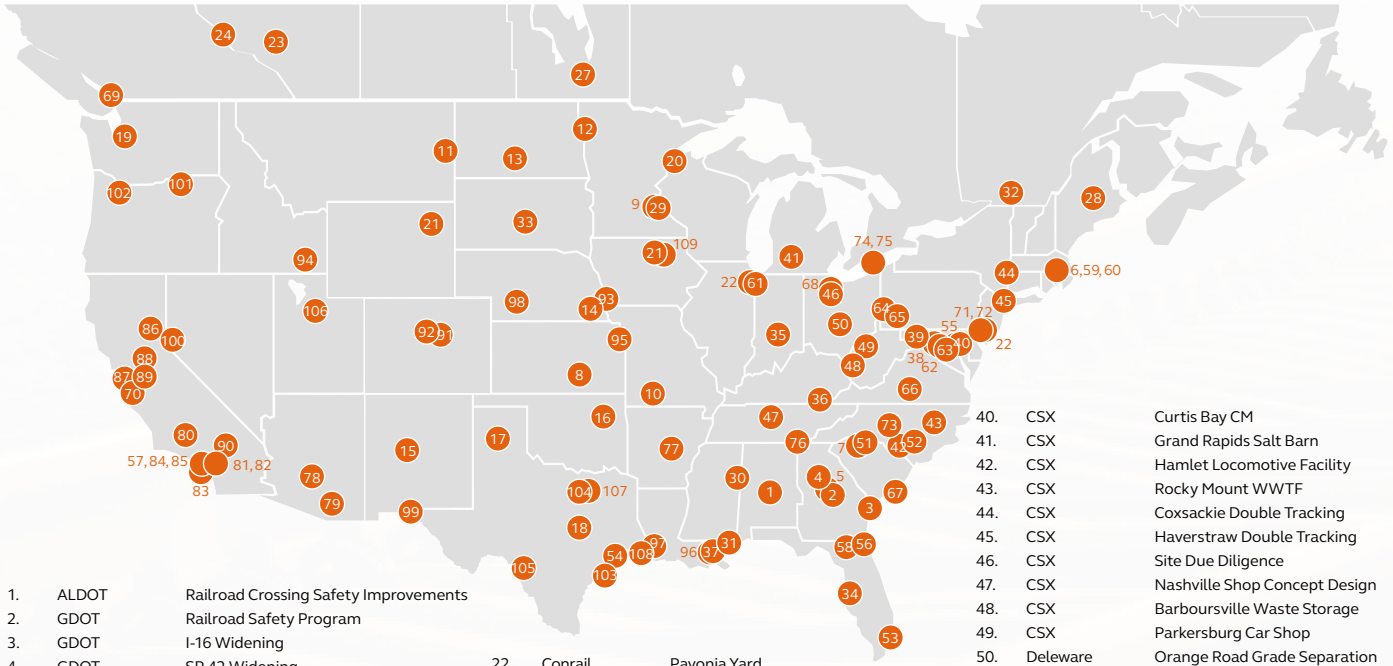
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	**Firm(s):**	**Firm(s)' %:**
	N/A	N/A

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS 12-14

The Arcadis Team has completed over **100** railroad safety, planning, track design, crossing modification designs, and environmental services throughout North America, including Louisiana.



1.	ALDOT	Railroad Crossing Safety Improvements
2.	GDOT	Railroad Safety Program
3.	GDOT	I-16 Widening
4.	GDOT	SR 42 Widening
5.	Norfolk Southern	Macon Operations Building
6.	Amtrak	Southampton Shops
7.	BMW	Facility Expansion
8.	BNSF	Newton Lube Oil Improvements
9.	BNSF	Northtown WWTP
10.	BNSF	Springfield IWW Improvements
11.	BNSF	Glendive Fueling
12.	BNSF	Grand Forks IWW Improvements
13.	BNSF	Mandan IWW Improvements
14.	BNSF	Lincoln WWTP
15.	BNSF	Belen IWW Improvements
16.	BNSF	Tulsa Fueling Platform
17.	BNSF	Amarillo WWTP
18.	BNSF	Temple Fueling Platforms
19.	BNSF	Interbay Fueling Platforms
20.	BNSF	Superior Oil Water Seperator
21.	BNSF	Gillette IWW Improvements
22.	Conrail	Pavonia Yard
23.	CPKC	Alyth Yard IWTF
24.	CPKC	Golden IWW Improvements
25.	CPKC	Mason City WWTP
26.	CPKC	Bensenville Reefer Fueling
27.	CPKC	Weston Locomotive Fueling Platforms
28.	CPKC	Brownville Fueling Improvements
29.	CPKC	St Paul IWTF
30.	CPKC	Artesia Fueling
31.	CPKC	Gulf Port Locomotive Wash
32.	CPKC	St Luc Yard Sanitary Improvements
33.	CPKC	Pierre Fueling Facility
34.	CSX	Uceta Yard Pump Station
35.	CSX	Avon Sludge Beds
36.	CSX	Corbin WWTF
37.	CSX	Gentilly Yard Pond Liner Replacement
38.	CSX	Brunswick Stormwater Improvements
39.	CSX	Cumberland Locomotive Shop
40.	CSX	Curtis Bay CM
41.	CSX	Grand Rapids Salt Barn
42.	CSX	Hamlet Locomotive Facility
43.	CSX	Rocky Mount WWTF
44.	CSX	Coxsackie Double Tracking
45.	CSX	Haverstraw Double Tracking
46.	CSX	Site Due Diligence
47.	CSX	Nashville Shop Concept Design
48.	CSX	Barboursville Waste Storage
49.	CSX	Parkersburg Car Shop
50.	Deleware County, OH	Orange Road Grade Separation
51.	Enoda	Manufacturing Facility
52.	Fayetteville, NC	Russell Street Bridge Replacement
53.	Florida East Coast	Hialeah Yard IWW
54.	Houston, TX	Conceptual Rail Connection
55.	Howard County, MD	CSX Shoofly
56.	JAXPORT	Intermodal Container Transfer Facility
57.	LA Metro	East San Fernando Valley Light Rail
58.	Lake City, FL	Bell Road Crossing
59.	MBTA	Green Line Trolley Traction Power
60.	MBTA	Reservoir Lower Yard Upgrades
61.	Metra	Western Avenue Yard IWW
62.	Montgomery County, MD	Resource Recovery Facility Study
63.	Montgomery County, MD	Transfer Station Study
64.	Norfolk Southern	East Palestine Fire & Hazmat Training Center
65.	Norfolk Southern	Flood Recovery
66.	Norfolk Southern	Lynchburg Stormwater Improvements
67.	Palmetto Rail	ICTF North Lead
68.	Perstorp	Industrial Rail Facility Rehab
69.	Province of British Columbia	Cross Fraser Tunnel Project
70.	Santa Clara Unified School District	Railroad Safety Study
71.	SEPTA	Chestnut Hill East Station Rehab
72.	SEPTA	Green Line Train Signal System
73.	Siemens	Railcar Manufacturing Facility
74.	St. Thomas, ON	Industrial Rail Yard
75.	St. Thomas, ON	At-Grade Crossing
76.	TDOT	I-24 Widening
77.	Union Pacific	North Little Rock IWW
78.	Union Pacific	Phoenix Auto Facility
79.	Union Pacific	Tucson Inspection Pit
80.	Union Pacific	Bakersfield Tank & Haul
81.	Union Pacific	Inland Empire Intermodal Terminal
82.	Union Pacific	Colton Yard IWW
83.	Union Pacific	ICTF Tank & Haul
84.	Union Pacific	Commerce Yard IWW
85.	Union Pacific	Dolores Yard IWW
86.	Union Pacific	Keddie Potable Water
87.	Union Pacific	Oakland IWW Concept
88.	Union Pacific	Roseville IWW
89.	Union Pacific	Stockton IWW Concept
90.	Union Pacific	Yermo Track Pan CS
91.	Union Pacific	Denver North Yard IWW
92.	Union Pacific	Winter Park IWW
93.	Union Pacific	Council Bluffs Yard IWW
94.	Union Pacific	Pocatello Yard Tank & Haul
95.	Union Pacific	Atchison Fueling Facility
96.	Union Pacific	Avondale Yard Track Pans
97.	Union Pacific	Lake Charles Service Pit
98.	Union Pacific	North Platte IWW
99.	Union Pacific	Santa Theresa IWW
100.	Union Pacific	Sparks IWW
101.	Union Pacific	Hinkle Yard Tank & Haul
102.	Union Pacific	Portland IWW
103.	Union Pacific	Wadsworth Industrial Lead
104.	Union Pacific	Fort Worth IWW
105.	Union Pacific	Spofford 10% Design
106.	Union Pacific	Roper Yard IWTF
107.	USACE	Cadillac Heights Flood Protection
108.	USACE	Port Arthur Flood Protection
109.	Valero	Main Line Crossover

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	Neel-Schaffer	CD&C (DBE)	Each Discipline must total to 100%
Traffic	60%	65%	35%	0%	**100%**
Road	25%	45%	30%	25%	**100%**
Bridge	5%	80%	0%	20%	**100%**
Environmental	5%	100%	0%	0%	**100%**
Other (Construction Proposal)	5%	90%	0%	10%	**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%**	**64%**	**28%**	**8%**	

**Traffic Evaluation Discipline involves both Safety and Traffic services.*

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	Engineer	9	9
	Engineer - Other	2	3
	Engineer Intern	1	2
	Engineering-Aide	1	2
	Environmental Pro	2	2
	Planner	1	1
	Principal	4	4
	Professional	2	3
	Senior Technician	1	1
	Supervisor - Eng	4	4
	Supervisor - Other	2	2
NEEL-SCHAFFER Solutions you can build upon	Principal	1	1
	Supervisor - Eng	2	2
	Engineer	6	6
	Engineer - Other	2	2
C&C INCORPORATED *(DBE)*	Surveyor	1	2
	Party Chief	3	3
	Instrument Man	2	3
	Rodman	2	2
	Senior Technician	3	3
	Supervisor - Other	1	1

14 ORGANIZATIONAL CHART:

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Prinicipal-in-Charge

Akhil Chauhan, PE, PTOE, PTP, PMP[1]*

Project Manager

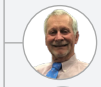
Kester Hollier, PE, PTOE[1] ◆*

Deputy Project Manager

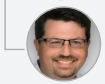
Jim Tolson, PE[1]

Quality Control/Quality Assurance

Douglas Tilt, PE[1]



Buddy Porta, PE[1]



Nick Ferlito, PE, PTOE[2]*

Legend:

Arcadis[1]
Neel-Schaffer[2]
CD&C[3] (DBE)

Meeting TEPR Requirement*
Workzone Training ◆

Corridor Studies / Diagnostics

Highway / Rail Safety

Max Aguirre, PhD, PE, RSP[1]*◆
Justin Maderia, PE, PTOE, PTP[1]*
Lance DeCuir, PE, AICP, RSP[2]
Becky Rogers, PE, PTP, RSP[2]
William (Case) Fulcher, PE, PTOE, RSP[2]
Brandon Thomas[1]

Traffic Engineering

Ari Deitch, PE, PTOE, PTP, RSP[1]*◆
Tait Karlson, PE, PTOE[1]*
Clara Foshee, PE, PTOE[1]*
Vijay Kunada, PE, PTOE, PTP[2]*
Jonathan Duhe, PE, PTOE[2]*◆

Diagnostic Reviews and Federal Reporting

DoriAnn Clayton,PE[1]
Sean Markey, PE[1]
Mason Hodges, EIT[1]
Brandon Thomas[1]
Douglas Tilt, PE[1]
Jim Tolson, PE[1]

Public Involvement

Julie Price, AICP[1]
Cara Vojdani[1]
Shane Blatt[1]

Project Design

Roadway Design

Jose Rodriguez, PE[1] ◆
Dishili Young Curry, PE[2]

Survey

Chris Ballard, PLS[3]
Madison Mills, PLS[3]

RR Crossing Design

Mason Hodges, EIT[1]
Brandon Thomas[1]
Justin Wood, PE[2]
Brian Adams, PE[2]

RR Track Design

Eric Bullerman, PE[1]
Sean Markey, PE[1]
Bill Jansen, PE, LEED AP
BD+C, ENV SP[1]

Structural Design

Victor Sanchez, PE[1]
Osama Shahawy, PE[1]

H&H Design

Colin Sarratt, PE[1]
Amanda Check, PE[1]

Construction Proposal Services

Tom Landry, PE[1]
Jose Rodriguez, PE[1] ◆

Support Services

Force Account Agreements

DoriAnn Clayton,PE[1]
Sean Markey, PE[1]

Environmental

Jan Hughes[1]
Hunter Guidry[1]

Utility Coordination

Karla Weston, PE[3]
Clarence J. Goodspeed[3]

Air/Drone Photography

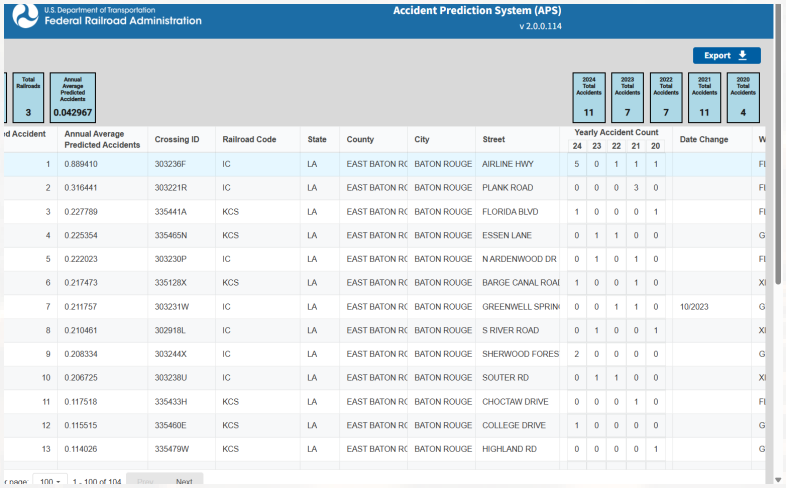
Cody Lemoine[1] ◆

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

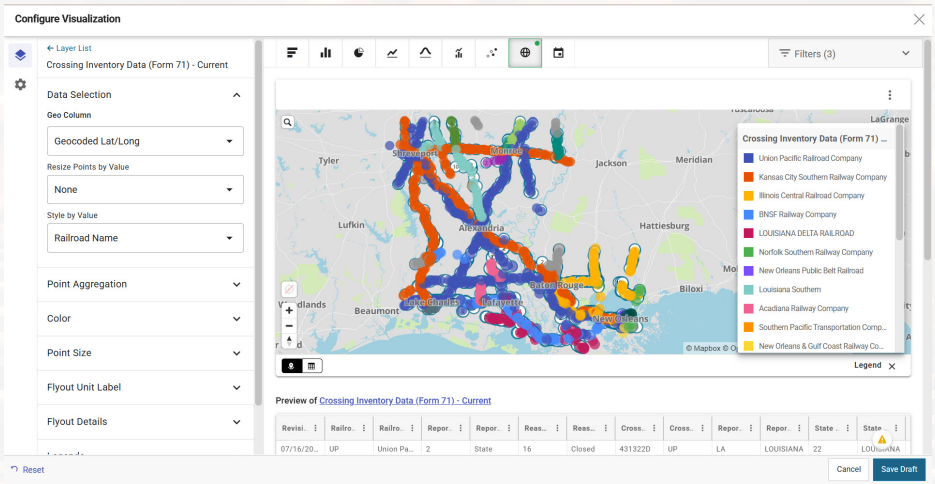
ARCADIS

SECTIONS 15-16

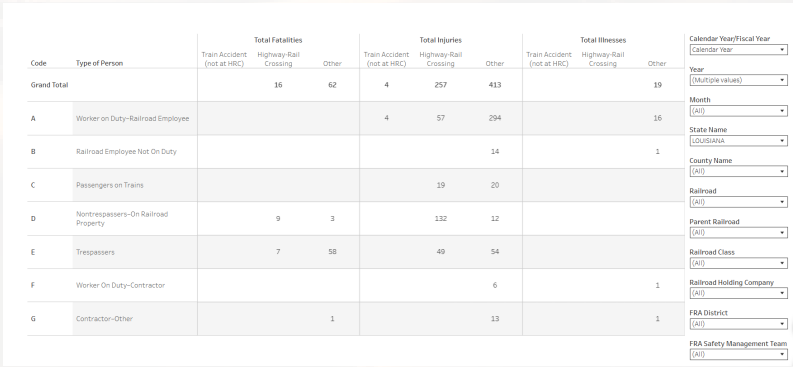
To maximize safety outcomes and deliver immediate value for LADOTD, our team will leverage industry-standard, readily available tools such as US DOT Federal Highway Administration (FHWA) and Federal Railroad Administration (FRA) web applications, Public Blocked Crossing incident reports and the Highway-Rail Grade Crossing Accident Prediction System (GXAPS). These tools help identify and prioritize railroad crossing hazards. By utilizing these, we ensure our recommendations are aligned with the latest federal safety metrics and best practices — minimizing training needs, maximizing process efficiencies, and delivering rapid, measurable improvements in railroad crossing safety — statewide.



GXAPS - FRA Accident Prediction Tool



FRA Inventory Data Visulization Tool



FRA Reported Louisiana Casulties Tool

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	09/2026
2	Jose L. Rodriguez, PE *(>24 years' experience)*	ARCADIS	PE. 30492 – Civil	LA	03/2027
	Lloyd (Buddy) Porta, PE *(>50 years' experience)*	ARCADIS	PE. 16425 – Civil	LA	09/2027
3	Doug Tilt, PE *(>28 years' experience)*	ARCADIS	PE. 33502 – Civil	LA	03/2026
	DoriAnn Clayton, PE *(>11 years' experience)*	ARCADIS	PE. 49622 – Civil	LA	03/2027
4	Ari Deitch, PE, PTOE, PTP, RSP *(>13 years' experience)*	ARCADIS	PE. 41842 – Civil PTOE: 4346	LA, US	03/2026 11/2027
	Kester Hollier, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 34304 – Civil PTOE: 3928	LA, US	03/2027 11/2027
	Justin Maderia, PE, PTOE, PTP *(>18 years' experience)*	ARCADIS	PE. 38492 – Civil PTOE: 3455	LA, US	03/2026 07/2027
	Nick Ferlito, PE, PTOE *(>31 years' experience)*	NEEL-SCHAFFER Solutions you can build upon	PE. 28001 – Civil PTOE: 930	LA, US	09/2027 04/2026
	Jonathan Duhe, PE, PTOE, RSP *(>13 years' experience)*	NEEL-SCHAFFER Solutions you can build upon	PE. 41047 – Civil PTOE: 4418	LA, US	03/2027 03/2027
5	Eric Bullerman, PE *(>24 years' experience)*	ARCADIS	PE. 49597 – Civil	LA	03/2027
	Sean Markey, PE *(>32 years' experience)*	ARCADIS	PE. 51033 – Civil	LA	09/2026

16 STAFF EXPERIENCE.

Firm employed by. ARCADIS			Meets MPR No. 1
Name	**Akhil Chauhan, PE, PTOE, PTP, PMP**	Years of relevant experience with this employer	18
Title	Principal Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology 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 Engineering
Contract role(s) / brief description of responsibilities		**Principal-in-Charge**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Chauhan is a principal traffic engineer with **23 years of applied research and industry experience** in the fields of **highway safety**, **traffic engineering**, traffic modeling and simulation, **Stage 0 Feasibility Studies**, transportation planning, demand modeling/forecasting, intersection/corridor analysis, **safety studies**, NEPA studies, and access management. Akhil has successfully led, managed, and mentored numerous projects related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS. **Mr. Chauhan meets Minimum Personnel Requirement Number 1.**
12/13 – 06/15	**Safety Studies IDIQ - LA 3235 Stage 0 Feasibility Study, 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, development of conceptual layouts, 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	**Safety Studies IDIQ - 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.***
09/09 – 03/12	**I-20 Garrett Road Connector Interchange Improvements, LADOTD, Ouachita Parish, LA.** *Principal Engineer.* Provided design oversight and technical advisory role for the 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 outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy.
04/16 – 09/18	**Safety Studies IDIQ - New Orleans Pedestrian Improvements, LADOTD, Orleans Parish, LA.** *Principal Engineer*. Preparation of Stage 0 pedestrian safety feasibility study (in accordance with LADOTD Stage 0: Manual of Standard Practice) of 20 intersections with high occurrence of pedestrian safety issues - especially between motorized and non-motorized travel modes. Scope of services include data collection analysis of existing traffic conditions, historic crash data evaluation, ***investigation of safety deficiencies at each intersection, recommendation of safety improvements*** such as traffic signal improvements, intersection striping improvements, signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliance including curb ramps, and parking modifications, analysis of alternatives and conceptual layout development, cost estimates, and Stage 0 checklists.
02/18 – 06/21	**Safety Studies IDIQ - Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for the project, which involved the development of a Pedestrian and Bicycle Safety Action Plan (PBSAP). Arcadis developed screening criteria based on crash data and socioeconomic data to identify high priority locations with a history of pedestrian and/or bicycle crashes, and ***performed Road Safety Assessments (RSAs) at 10 priority locations to identify safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists***.
04/16 – 10/19	**Safety Studies IDIQ - 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	**Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for project tasks including data collection and analysis, traffic and safety analysis, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to address historical safety issues along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
02/15 – 08/17	**US 71 Corridor Phase II Traffic and Safety Feasibility Study, LADOTD, Rapides Parish, LA.** *Principal Engineer*. Responsible in the overseeing the preparation of a Stage 0 feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Arcadis developed alternatives for the replacement of the traffic circle on US 71 using a ***data driven, tiered analysis approach.*** Alternatives were developed in close coordination with District 08 staff to better understand project needs and incorporate context sensitive solutions. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.

Firm employed by. ARCADIS				Meets MPR No. 3
Name	**Kester Hollier, PE, PTOE**		Years of relevant experience with this employer	5
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 Engineering	
Contract role(s) / brief description of responsibilities			**Project Manager**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including **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. **Mr. Hollier meets Minimum Personnel Requirement Number 3.**
02/2018 – Ongoing	**On-Call Professional Services Class III (Short Line) Railroad Crossing Safety Program, GDOT, Statewide, GA.** *Traffic Engineer* for ***reviewing plans for at-grade railroad crossings corridor studies for various task orders*** in Georgia. Responsible for QA/QC review of ***safety analysis and proposed recommendations, and plan development***. Arcadis has supported the GDOT Railroad Safety Program focused on Federal Section 130 funding since 2014. Arcadis was awarded a consective contract focused on Class III (Short Line) Railroads in the State in 2018 and again in 2022. The contracts ***follow FHWA Railway-Highway Crossings (Section 130) Program to perform safety analysis and recommend improvements for public at-grade railroad crossings*** across the state.
07/21 – 07/22	**Safety Studies IDIQ – 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***.
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 managemnet 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.

11/17 – 07/20	**Stage 0 Feasibility Study - LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA.** *Project Manager / Traffic Engineer*. ***Responsible for the traffic study and impacts for the proposed complete streets improvements*** along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included ***data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative.*** The traffic study was prepared to follow the Louisiana Department of Transportation and Development's Traffic Engineering Process and Report Guidelines. The project also included a stand alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
09/12 – 02/16	**Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA.** *Traffic Engineer*. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that will be proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of the roadway portion and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.
06/13 – 04/14	**Stage 0 Feasibility Study – US 190 Roundabout and Ped Improvements, LADOTD, St. Tammany, LA.** *Traffic Engineer*. Responsible for roundabout ***geometric design and pedestrian and bike path design*** along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
12/17 – 11/19	**Stage 0 Feasibility Study - 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.***
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.

Firm employed by. ARCADIS			
Name	**Jim Tolson, PE, IMSA II**	Years of relevant experience with this employer	12
Title	Principal Railroad Signal Timing & Safety Engineer	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization		BS, Civil Engineering, Southern Polytechnic State University, 1989	
Active registration number / state / expiration date		PE033245/ GA / Exp No. 12/31/2026	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Deputy Project Manager**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Tolson brings **40 years of traffic engineering and design experience**, with a focus on safety and operational improvements,including Quality Assurance/Quality Control services. He served as the GDOT Traffic Operations Design Lead for 29 years, overseeing operational improvements, signal, signing/marking, and Intelligent Transportation Systems (ITS) plan development. In his 13 years as a Project Manager at Arcadis, he successfully managed various GDOT/Local Agency On-Call contracts, covering services such as Traffic Safety Design, **Railroad Safety**, Statewide Signal Software Upgrade, and Signal/ITS Design for Gwinnett County and the City of Sandy Springs.
02/18 – Ongoing	**On-Call Professional Services Class III (Short Line) Railroad Crossing Safety Program GDOT, Statewide, GA**. *Program Manager* for the current statewide railroad crossing hazard analysis and plan development program, leads a team of more than ten people to evaluate safety and propose improvements at more than 2000 crossings along Georgia's Class III (Short Line) rail lines. Project highlights includes following Federal Section 130 Program ***performing safety analysis and recommendations for public at-grade railroad crossings improvements; Field investigations analysing site distance and approach grades;*** Evaluating more than 2000 crossings to date, documenting existing assets, including signs, markings, and crossing warning devices; Reporting statewide railroad crossing deficiencies and recommending safety improvements and construction projects. The project also includes ***performing operational analysis at highway rail crossings utilizing crash data, traffic volumes, and highway road/rail characteristics; leading independent Diagnostic Reviews at selected locations with crash history and conducting independent analysis for closings;*** preparing cost estimates and requesting programming for projects included in GDOT Construction Work Program; coordinating project recommendations and plan development with local stakeholders and railroad owners; and developing railroad crossing signing/marking plans and Force Account agreements with Rail owners.
02/14 – 02/18	**On-Call Professional Services Railroad Crossing Safety Program GDOT (All Railroads), Statewide, GA.** *Program Manager* for GDOT Statewide Railroad Crossing Hazard Analysis and Plan Development Program. This contract ***follows the Federal Section 130 Program*** to perform safety analysis and recommend safety improvements for public at grade railroad crossings. Performed operational analysis at highway rail crossings utilizing crash data, traffic volumes, and highway road and rail characteristics. Lead independent Diagnostic Reviews at selected locations with crash history, and conducted independent analysis for closing railroad crossings. Prepared cost estimates and requested programming for projects to be included in GDOT construction work program and ***developed all construction plans*** in accordance to GDOT Plan Development Process. Coordinated all project recommendations and plan development with local stakeholders including railroad owner. Lead team

	in analyzing over 850 crossing sites throughout state of Georgia. Sites included crossings along short line Georgia Northeastern Railroad (GNRR), Norfolk Southern Railway Co, Georgia Southern and Florida Railway Co, and CSX Railway.
02/17-04/23	**State Railroad Crossing Safety Improvement On-Call (All Railroads) ALDOT, Statewide, AL.** *Program Manager* p***erforming at-grade railroad crossing diagnostic reviews*** throughout Alabama and d***evelop recommendations for safety improvements*** in accordance with current MUTCD, ALDOT, and Federal Railroad guidelines. ***Field analysis, including evaluation of rail crossing advanced warning, site distance, and equipment deficiencies***. ***Recommendations include installation of active warning devices, upgrading and/or replacing existing traffic control devices, signing and pavement markings***. Contract includes extensive statewide coordination with local agencies, ALDOT agencies, and Railroad owners. Tasks also included railroad cost estimating and railroad owner agreement preparations and coordination. Prepared and processed agreements with local agencies for maintenance responsibilities and with FHWA for funding agreements.
08/19 – Ongoing	**On-Call Traffic Safety Design Services, GDOT, Districts 3 & 6, GA.** *Program Manager* responsible for direct delivery and oversight for 43 task orders. Participated in the scoping review and cost estimate preparation/negotiations for services, including Program Support, Traffic Engineering (TE) studies, RSAs, Menu of Services Design (MOSD), and 32 TOs ***combining concept, preliminary design, and final design*** through GDOT Plan Development Process (PDP). Led the Arcadis team in coordination with OTO and the Districts, crash screenings, Intersection Control Evaluation (ICE), and TE studies. After project identification and scoping, worked with OTO, OPD, and design project managers to effectively transition the project to the design phase, then oversaw and tracked project scope to avoid unnecessary changes in the design process and proactively address any risks that came up through design. When design changes were needed, facilitated collaboration with safety engineers and the design team to verify safety elements were not compromised. In addition to project development and delivery, led team in developing guidelines/tools to assist in quality Program delivery, including RSA guidelines, All Way Stop Control (AWSC) Guidelines (final draft form), and bringing international experience to integrate turbo elements into the updated Roundabout Design Guide. Understands that even with good planning, sometimes urgent needs arise. As with the urgent request to apply a methodology for Safety System-Based Framework and Analytical Methodology for Assessing Intersections, worked with his resources and OTO to make sure GDOT got what they needed, irrespective of the timeline.
07/18 – Ongoing	**Signal/ITS On-Call Services, Gwinnett County DOT, Gwinnett County, GA.** *Program Manager* for on-call demand services and design of two unique projects. SR 20 from Ozora Road to Brand Road and Arcado Road/Killian Hill Road from Five Forks Trickum Road to SR 8. Both projects included installation of fiber optic cable, Close Circuit TV cameras, Connected Vehicle Roadside units, signal cabinet upgrades, and communication upgrades. The challenge was evaluating the extensive existing communications infrastructure on surrounding corridors and proposing best-fit options to optimize communication to the management center. ***Utility coordination*** and existing infrastructure also resulted in unique wireless communications to reduce utility cost impacts. In addition, both projects were GDOT funded but let by Gwinnett County. Worked closely with GDOT OPD and County staff to usher projects through the PDP and meet schedule.

Firm employed by. ARCADIS			
Name	**Doriann Clayton, PE**	Years of relevant experience with this employer	11
Title	Project Transportation Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering, Auburn University	
Active registration number / state / expiration date		PE.0049622 / LA / Exp No. 3/31/2027	
Year registered	2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Diagnostic Reviews and Federal Reporting) Force Account Agreements**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mrs. Clayton is a Certified Project Manager Consultant with extensive experience supporting GDOT's **Railroad Crossing Safety Program**. She has led over **2,000 highway-rail crossing evaluations statewide**, building strong relationships with railroads and municipalities to streamline communications and deliver safety projects efficiently. Her technical expertise includes field assessments, preparation of Highway-Rail Engineering Analysis Reports, inventory management, and full project management. DoriAnn has significant plan design experience, overseeing the development and letting of 18 plan sets for advance warning signage and pavement markings, and managing more than 60 force account projects for crossing improvements in compliance with state and federal standards. With a strong background in transportation and traffic engineering, DoriAnn manages both let and force account projects, leads multidisciplinary teams, and coordinates stakeholders to ensure project delivery on time and within budget. Her experience also includes traffic engineering and safety analyses, roadway construction plan development, and quality assurance reviews for regulatory compliance.
02/18 – Ongoing	**On-Call Professional Services Class III Railroad Crossing Safety Program GDOT, Statewide, GA.** *Deputy Project Manager*, responsible for ***coordinating at-grade railroad crossings corridor studies, leading crossing Diagnostic Reviews, and delivering let plans for crossing safety improvements***, as well as identifying, prioritizing, and fulfilling agency executed or Force Account Projects with short line railroads. The contract focuses on expanding federal funds for smaller stakeholders, over $8.5 million of reimbursement to railroad agencies has been allotted for highway-rail safety improvements at short line crossings. Demonstrates expert ***proficiency in federal software databases, including the FRA GIS Web Application Crossing Inventory and Accident Reports-FRA Grade Crossing Inventory System (GCIS), FRA Highway-Rail Grade Crossing Accident Prediction System (GXAPS) and analysis tools available on the Department of Transportation website***. Oversees coordination with GDOT Office of Utilities, providing regular project progress updates and managing requirements for on-site visits and prioritization of federal fund allocations for safety improvements. Leads comprehensive ***data collection efforts, including traffic counts, crash records, and field measurements,*** to inform safety evaluations and proposed improvements for over 1,200 railroad crossings across Georgia. Manages ***collaboration with local municipalities and railroad authorities,*** facilitating public involvement meetings to ensure stakeholder engagement and address community concerns. Directs federal reporting activities by ***preparing and submitting documentation, including existing conditions, crossing closure analyses, and recommendations for safety improvement to state and FRA agencies.*** Delivers ongoing updates and comprehensive corridor study reports and ensures federal compliance via the GCIS. Supervises ***preparation of signing and marking plans*** for 14 corridor studies, encompassing more than 1,000 crossings, and develops detailed construction cost estimates to support effective resource allocation and project planning.

02/14 – 02/18	**On-Call Professional Services Railroad Crossing Safety Program GDOT, Statewide, GA.** *Traffic Engineer.* Led corridor studies for multiple at-grade railroad crossings throughout Georgia, ***prioritizing site locations based on safety analysis and stakeholder input.*** Coordinated with local municipalities, railroad authorities, and the GDOT Office of Utilities to ***gather necessary data, address community concerns, and communicate project progress***. Responsibilities included conducting comprehensive safety assessments and developing recommendations for improvements at over 900 crossings statewide. Utilized expert knowledge of federal and GDOT software databases, including the FRA GIS Web Application, FRA 5.02 Crossing Inventory and Accident Reports, GDOT Railroad Management System (RRMS), and FRA Grade Crossing Inventory System (GCIS). ***Prepared detailed reports for each crossing, documenting existing conditions, environmental evaluations, and proposed enhancements for both state and federal agencies,*** and delivered regular updates to GDOT and FRA. Developed signing and marking plans for four major corridor studies, covering more than 250 crossings as part of the master contract.
11/24 – current	**On-Call Professional Services for Intersection Safety Program GDOT, Statewide, GA.** *Project Manager* for a hybrid roundabout design of SR 6 BU at Macland Road. Leads the design and evaluation of a multi-lane roundabout at a high-crash intersection identified under the Safety Design Services contract. ***Crash analysis identified key safety issues***, such as following too closely, failure to yield, and red light running. Oversees all aspects of project management to ensure successful delivery, including coordination with clients, local agencies, and public safety officials to align project goals and address community concerns. Directs a thorough review of crash records to ***accurately identify safety deficiencies and guide the selection of targeted countermeasures.*** Manages the comparison of intersection traffic control options, ***providing evidence-based recommendations for the preferred solution.*** Supervises project timelines, resource allocation, and milestone tracking to ensure efficient progress, while implementing rigorous review processes to ***ensure all analyses, designs, and recommendations adhere to regulatory and client standards.*** Through DoriAnn's leadership and commitment to structured project management, the team delivers an optimized roundabout design that effectively addresses crash risks, enhances intersection safety, and fulfills all contractual requirements.
02/17 – 04/23	**State Railroad Crossing Safety Improvement On-Call ALDOT, Statewide, AL.** *Traffic Engineer* for ***evaluation of 25 high hazard, at-grade railroad crossings*** throughout the state of Alabama. R***esponsible for safety analysis and proposed recommendations, contact with locals and railroad personnel, and plan development.*** Project includes initial evaluation and recommendations of crossing locations; ***Coordinate formal diagnostic field review*** with the state personnel, local road authorities, and the railroad representatives. ***Prepared plans for site location improvements*** and submit to the state for project assignment. Deliverables include ***documentation of findings and recommendations at each crossing, scheduling diagnostic reviews, completing maintenance agreements with local authorities, completing project packet for project assignment, and participating in regular meeting updates*** with the ALDOT project manager.
01/14 – 05/15	**Signal Design, City of Sandy Springs, Sandy Springs, GA.** *Traffic Engineer* in designing improved intersection conditions at four locations within Sandy Springs. Responsibilities included developing signalized intersection designs, implementing lane configuration changes, and enhancing pedestrian accommodations at three of the four intersections. The role involved traffic analysis, preparation of construction plans, and coordination with local agencies to ensure all improvements met safety, accessibility, and operational requirements.

Firm employed by. ARCADIS				Meets MPR No. 3
Name	**Douglas Tilt, PE**		Years of relevant experience with this employer	24
Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			BS / 1996 / Civil Engineering, Georgia Institute of Technology - Main Campus	
Active registration number / state / expiration date			PE. 0033502 / LA / Exp. 03/31/2026	
Year registered	2007	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Quality Control / Quality Assurance**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Tilt is the National Practice Lead for Safety, Traffic Engineering, ITS, GIS, and Database Management services for the Arcadis US and has more than 28 years of experience in ITS planning, design, and integration, traffic engineering, transportation planning, and transportation design. He has managed and designed numerous projects throughout the southeastern United States and globally, including safety analysis, design, traffic signal projects, intersection improvement projects, traffic and corridor studies, and roadway concept development. **Mr. Tilt has extensive experience in Railroad crossing safety evaluations, diagnostic reviews, and proven rail crossing safety improvement concepts.**
02/18 – Ongoing	**On-Call Professional Services Class III (Short Line) Railroad Crossing Safety Program, GDOT, Statewide, GA.** *Technical Advisor* for Arcadis' consective contract supporting the GDOT Railroad Safety Program focused on Federal Section 130 funding since 2014. The contract has focused on Class III (Short Line) Railroads in the State in 2018 and again in 2022. The ***contracts follow FHWA Railway-Highway Crossings (Section 130) Program to perform safety analysis and recommend improvements for public at-grade railroad crossings across the state.*** Arcadis has continued to ***preformed site evaluations at over 2000 crossings statewide with independent at grade rail crossing safety audits utilizing crash data, roadway traffic volumes, train volumes, and highway road/rail characteristics*** (sight distance, profile grades, grade crossing advance warning, and roadway/crossing pavement conditions).
02/14 – 02/18	**On-Call Professional Services Railroad Crossing Safety Program GDOT, Statewide, GA.** *Technical Advisor for* i***mprovements to multiple at-grade railroad crossings*** throughout Georgia, ***prioritizing site locations based on safety analysis and stakeholder input.*** Coordinated with local municipalities, railroad authorities, and the GDOT Office of Utilities to gather necessary data, address community concerns, and communicate project progress. ***Project included conducting comprehensive safety assessments and developing recommendations*** for improvements at over 900 crossings statewide. Utilized expert knowledge of federal and GDOT software databases, including the FRA GIS Web Application, FRA 5.02 Crossing Inventory and Accident Reports, GDOT Railroad Management System (RRMS), and FRA Grade Crossing Inventory System (GCIS). Prepared detailed reports for each crossing, documenting existing conditions, environmental evaluations, and proposed enhancements for both state and federal agencies, and delivered regular updates to GDOT and FRA. Developed signing and marking plans for four major corridor studies, covering more than 250 crossings as part of the master contract.
02/14 – Ongoing	**On-Call Professional Services Statewide Safety Improvement Program, GDOT, Statewide, GA.** *Technical Advisor and initial Project Manager* for delivery and oversight for 43 TOs over four years. Participated in the scoping review and cost estimate preparation/negotiations for services, including Program Support, Traffic Engineering (TE) studies, RSAs, Menu of Services Design (MOSD), and 32 TOs ***combining concept, preliminary design, and final design*** through GDOT Plan Development Process (PDP). Led the Arcadis team in coordination with OTO and the Districts, crash screenings, Intersection Control Evaluation (ICE), and TE studies. After project identification and scoping, worked with OTO, OPD, and design project managers

	to ***effectively transition the project to the design phase,*** then oversaw and tracked project scope to avoid unnecessary changes in the design process and proactively address any risks that came up through design. When design changes were needed, facilitated collaboration with safety engineers and the design team to verify safety elements were not compromised. In addition to project development and delivery, led team in developing guidelines/tools to assist in quality Program delivery, including RSA guidelines, All Way Stop Control (AWSC) Guidelines (final draft form), and bringing international experience to integrate turbo elements into the updated Roundabout Design Guide. Understands that even with good planning, sometimes urgent needs arise. As with the urgent request to apply a methodology for Safety System-Based Framework and Analytical Methodology for Assessing Intersections, worked with his resources and OTO to make sure GDOT got what they needed, irrespective of the timeline.
02/17 – 04/23	**State Railroad Crossing Safety Improvement On-Call ALDOT, Statewide, AL.** *Technical Advisor* for ***at-grade railroad crossing diagnostic reviews statewide and developing recommendations for safety improvements per state and federal guidelines.*** Coordinated field reviews with local and rail owner stakeholders. Field analysis, including evaluation of rail crossing advanced warning, site distance, and equipment deficiencies. Prepared and processed agreements with local agencies for maintenance responsibilities and with FHWA for funding agreements.
08/09 – 03/11	**Baton Rouge to Lafayette ITS – Traffic Incident Management Phase 2, LADOTD, Multiple Parishes, LA.** *ITS Design Manager/QC Manager.* Provided ITS design, construction, and integration services. Responsibilities included managing, leading, and reviewing design of fiber optic and wireless communication along with 13 CCTV cameras and RVDs, 4 DMSs, and 2 HARs on I-10, I-49, US 90 and US 190 between Baton Rouge and Lafayette. Managed and reviewed monthly project reports, schedule, and budgets. ***Interacting with the client and other stakeholders on a regular basis for project progress review meetings.*** Conducted and supervised several field trips to verify design requirements and to meet technical specifications.
06/13 – Ongoing	**ITS Maintenance Retainer Contract – Program Management and Maintenance Management System, LADOTD, Statewide, LA.** *ITS Technical Advisor/QA-QC.* Responsible for developing, implementing, and managing ITS maintenance plans, policies, standards, procedures, and guidelines. Responsibilities also include deployment planning, installation, configuration validation, data migration support and ongoing update to database, training, and annual Maintenance Management System (MMS) software support. Arcadis provided routine and responsive maintenance for the DOTD's statewide ITS infrastructure. Such infrastructure includes Closed-circuit television (CCTV) cameras, Dynamic Message Signs (DMS), radar vehicle detectors, and ramp meters, totaling more than 500 sites statewide. The project scope includes program management; maintenance management system software; comprehensive maintenance plan for routine and responsive maintenance; health and safety and traffic control plan development; and tracking and performance measures reporting.

Firm employed by. ARCADIS				Meets MPR No. 2
Name	**Lloyd "Buddy" Porta, Jr., PE**		Years of relevant experience with this employer	13
Title	**Principal Engineer**		Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization			BS / 1973 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE.016425 / LA / Exp. 09/2027	
Year registered	1977	Discipline	Civil Engineering, Environmental Engineering	
Contract role(s) / brief description of responsibilities			**QAQC and Technical Advisor**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Porta brings more than **50 years of experience in the transportation field**. During his 37-year career at LADOTD, he practiced highway design for 11 years with 8 of those years in responsible charge of a design squad. He spent the next 21 years of his career in project/program management. He managed the Off-System Bridge Replacement Program and the Urban System Program. Both programs replaced or constructed new bridges on parish and state routes. In 2001 he was tasked with being the LADOTD TIMED Program Manager. This $5 billion program was developed to multi-lane over 500 miles of state highways as well as construct 3 new bridges, 2 of these bridges across the Mississippi River. He spent the last 5 years of his career at LADOTD as the **State Road Design Engineer Administrator.**
11/14 – 10/15	**Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout, LADOTD, Ascension Parish, LA.** *Technical Advisor.* Provided ***design oversight and technical advisory role for the 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.
12/13 – 06/15	**Safety Studies IDIQ - LA 3235 Corridor Safety Improvements, LADOTD, Lafourche Parish, LA.** *Technical Advisor.* Provided design oversight and ***technical advisory role for the geometric layout of safety improvements*** including access management, restrictive intersections, and added turn lanes. Reviewed construction cost estimates for proposed improvements to assess feasibility of proposed alternatives.
07/15 – 05/19	**Safety Design IDIQ - US 190B at Jefferson Ave. Roundabouts, LADOTD, Covington, Louisiana.** *QA / QC Reviewer.* Supported the construction of a new roundabout in Covington as a ***quality assurance/quality control reviewer for roadway plans***. Plans reviewed included the construction of sidewalk for use by pedestrians.
09/09 – 03/12	**I-20 Garrett Road Connector Interchange Improvements, LADOTD, Ouachita Parish, LA.** *Technical Advisor.* Provided design oversight and technical advisory role for the 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 outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy.
04/12 – 01/14	**US 11 Norfolk Southern Railroad Overpass Replacement Environmental Assessment and Line and Grade Study, LADOTD, Slidell, Louisiana.** Responsible for ***LADOTD design guideline compliance***. Replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. The 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. Key issues included the bridge's imminent historic status, commercial parking impacts and adapting to the Norfolk Southern right-of-way and travel pattern changes following the construction.

01/14 – Ongoing	**Pete's Highway EA and Alternatives, LADOTD, Livingston Parish, Louisiana.** Responsible for QAQC of roadway plans, line and grade, and ***LADOTD design guideline compliance***. High-priority project completing an EA and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, and c-d 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.
10/16 – 02/18	**North Bayou Black Drive Bridge Off-System Highway Bridge Replacement Program, LADOTD, Terrebonne Parish, Louisiana.** Reviewed plans for the replacement of an off-system highway bridge. Detailed designed effort included field surveying, right of way adjustments, crash barrier selection, hydraulic analysis, preliminary and final plan preparation and cost estimates.
09/12 – 12/15	**US 165 Connector and Ouachita River Bridge - Environmental Impact Statement, Line and Grade and Toll Study, LADOTD, Monroe, Louisiana.** Responsible for ***QAQC of roadway plans, line and grade, and LADOTD design guideline compliance***. Three alternatives were developed and evaluated along with various tolling scenarios. All alternatives traverse substantial tracts of wooded wetlands associated with Chauvin Swamp near the Russell Sage Wildlife Management Area.
04/12 – 01/14	**LA 434 Corridor Stage 1 Environmental Assessment, New Orleans Regional Planning Commission, Lacombe, Louisiana.** Responsible for ***LADOTD design guideline compliance***. EA for the widening and improvements of LA 434 between LA 36 and the anticipated new junction with LA 3241 near LaCombe, Louisiana in St. Tammany Parish.
10/90 – 10/01 10/05 – 10/10	**Urban System Program MPOs & Urbanized Areas, Statewide, Louisiana.** Responsible for the selection of the consultants, coordinating with the Metropolitan Planning Officials (MPOs) and the cities/parishes officials, ***coordinating with the LADOTD Planning Section***, ***developing the scope of services and fee*** for the projects, ***reviewing the construction plans*** and providing comments to the consultants and cities / parishes, and approving all invoices. Mr. Porta was responsible for developing the Urban Systems Program Seminar, which provided information on the processes and procedures used in the program. He served as project manager for signal projects in St. Bernard and Orleans Parishes.
09/01 – 05/06	**Transportation Infrastructure Model for Economic Development (TIMED) Program, LADOTD, Statewide, Louisiana.** L*ADOTD TIMED Program Manager.* Worked and coordinated on a daily basis with the TIMED Program Manager (LTM) to develop training, procedures, policies, and guidelines for the program. This $5 billion program was developed to ***multilane over 500 miles of state highways as well as construct three new bridges;*** two of these bridges across the Mississippi River. The program manager was required to monitor the progress of the program and had full invoice approval of the consultant's monthly invoice. This position was a member of the TIMED Program Executive Committee and reported to the Secretary of the LADOTD. There were 16 projects that were recognized throughout the state. Bonds were sold to finance and, therefore, accelerate the program. Over 500 miles of state roadways were multilaned and three new bridge projects were designed.
05/06 – 07/10	**Road Design Engineer Administrator, LADOTD, Statewide, Louisiana.** Responsible for transitioning the focus of his section from project management back to ***roadway design*** as desired by the Chief Engineer. To support this mandate, brought in training from the FHWA Resource Center in Atlanta, GA to assist the development of a young group. Coordinated the training and provided through the Louisiana Transportation Training Education Center. Developed a Legal Seminar to address the lack of experience in Road Design and other LADOTD sections in depositions and representing the Department in court with the assistance of the Attorney General's Office. Responsible for the ***development of design criteria for Offset Left Turn Lanes and design guidelines for the replacement of bridges on state routes.***

Firm employed by. ARCADIS				Meets MPR No. 5
Name	**Sean Markey, PE**		Years of relevant experience with this employer	14
Title	Principal Rail Design Engineer		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization			Certificate / 1999 / Railroad Maintenance & Engineering Certificate, University of Wisconsin BS / 1993 / Civil Engineering / Lehigh University	
Active registration number / state / expiration date			PE. 51033 / LA / Exp. 09/30/2026	
Year registered	2026	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			**Corridor Studies / Diagnostics (Diagnostic Reviews and Federal Reporting) RR Track Design, Force Account Agreements**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Markey is a Senior Project Manager with considerable experience in the administration, project management, inspection, rehabilitation, design, review, and construction of various freight and passenger railroad projects along with traffic engineering, and utility design projects. He brings a deep experience in Program and Project Management for projects of all sizes. His background has been deeply involved in participating in Freight Rail and Passenger Rail throughout the United States. He brings an understanding of **Federal Programs, Diagnostic Reviews, Track Design and the development of Force Account Estimates.** From 1999 to 2002, Sean was embedded at CSX as a seconded employee and handled Public Projects.
8/22 – 11/25	**Siemens Mobility, Lexington, NC –** *Project Executive* responsible for leading the Site Selection for a new Rolling Stock Factory and Maintenance Facility for Siemens on the East Coast. He led the team of Arcadis in various concept plans to assist with the site selection for the new facility for Siemens. He also led the team to ***develop bid packages for both the on-boarding of a Design Firm*** and the bid package for the on-boarding of a Construction Manager At-Risk (CMAR) firm to build the facility. He continued as the Project Executive through the build phase which Arcadis ***provided Construction Management and Owners Representative Services*** to Siemens Mobility. Services involved ***the concept planning for track design connecting the site*** to the North Carolina Railroad Corridor which is operated by Norfolk Southern and a new undergrade railroad bridge.
01/12 – 12/20	**CSX Transportation, Public Projects, Various Locations Systemwide.** *Project Manager* responsible for leading the staffing and services for the Public Project Program with primarly responsibilities in the Southeast portion of the CSX Network including Louisiana, Alabama, Georgia, Mississippi, South Carolina and North Carolina. Over 2,000 Public Projects were reviewed from a techncial basis and agreement processing. ***Projects included at-grade crossing modifications, grade separation projects, adjacent development projects and other projects*** proposed by parties outside of CSX. Services provided to CSX included Engineering Reviews, Agreement Preparation, Force Account Estimate development along with Construction Monitoring.
02/12 – 12/16	**Haverstraw Track Capacity, CSX Transportation, Haverstraw, NY.** *Project Manager* for the concept planning and design of a second track from Milepost 33 to 38. This project involved the design of a new universal interlocking in a tangent along the Hudson River. Various options and alternatives were planned to ensure the integrity of the embankment along the Hudson River. ***The final design included rip rap revetment protection to maintain the slope for the railroad operations to prevent scour from the Hudson River.*** Plans included two # 20 turnout installations at the northern and southern limits of the project. Duties included client management, financial management, staff management and technical reviews of the work product. He ***represented CSX at public meetings for the project*** to outline the scope of work and to interface with public.

03/13 – 12/16	**Plant Bowen Capacity Expansion, CSX Transportation, Stilesboro, GA.** *Project Manager* for ***design coordination and rail design for relocation of 2.25 miles of mainline track,*** construction of 0.40 miles of new bad order tracks, relocation of 0.57 miles of bad order tracks, construction of 2.18 miles of new industry track, relocation of 1.47 miles of industry track, construction of 8 #10 turnouts, raise and resurface one #10 turnout, construction of one new #15 turnout and relocation of one double switch point derail. The project included a new 146 LF double track concrete bridge structure over the environmentally sensitive Raccoon Creek as well as a concrete utility slab to protect an existing high pressure gas line.
01/14 – 12/15	**Norfolk Southern, South Raleigh Siding – Design & Environmental Permitting, Raleigh, NC.** *Principal-in-Charge* for track design for a new 7,000' siding. ***The design included realignment of nearly 2000' of mainline track to achieve required minimum clearances*** under the existing Tryon Road overhead bridge. New crash walls and soil nail walls were designed under the bridge. Wetland and buffer impacts were addressed by coordinating with local mitigation banks for purchase of required credits and obtaining approval from United States Army Corps of Engineers and North Carolina Department of Environment and Natural Resources.
01/07 – 12/15	**CSX Transportation, National Gateway, Multiple Locations.** *Project Manager* for the Vertical Clearance Improvements for the National Gateway Initiative. ***National Gateway is a freight intermodal project involving 64 vertical obstructions requiring modification, replacement or removal to achieve a minimum of 21'-0" of clearance from top of rail to the bottom of the obstruction.*** Project management involved leading several teams of professionals with schedule, funding pursuit, design activities and various procurement activities. Project involved modification of 13 mountain tunnels, replacement of the Virginia Avenue Tunnel (Washington, DC), and replacement of several overhead highway bridges throughout the corridor along with other locations involving trails and other railroads. ***Project packages included the development of several Design-Build Packages for advertisement on complex projects.*** Sean was tasked with providing weekly reports and coordination of this large effort to progress the designs for all locations through the various identified agencies for review. Funding for the project involved TIGER funding, State Funding from Pennsylvania and Ohio along with all various requirements with American Recovery and Reinvestment Act funding. The construction cost was at $360 million for the vertical clearance improvements and $850 million for the total efforts.
04/12 – 12/15	**CSX Transportation, Second Main Track and Crossover, Coxsackie, NY.** *Project Manager* for the concept planning and design of a second track from Milepost 121 to 129. This project involved the design of two new universal interlockings and two significant railroad bridge structures over Coxsackie Creek and Hannicrois Creek and 8-miles of track design to create additional capacity. Operational planning was performed to maintain railroad operation during the construction of the structures. ***Performed management of the project, client interface, and staff coordination. Permitting and property were both assessed and plans appropriately developed for both efforts.***

Firm employed by. ARCADIS				Meets MPR No. 4
Name	**Ari Deitch, PE, PTOE, PTP, RSP1**		Years of relevant experience with this employer	11
Title	Senior Traffic 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. 03/2026; PTOE #4346 / USA / Exp. 11/2026 PTP #690 / USA / Exp. 07/2028; RSP #37 / USA / Exp. 12/2027		
Year registered	2018	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Traffic Engineering)**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Deitch is a **Senior Transportation Engineer and Project Manager specializing in traffic engineering studies and 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 **corridor studies**, transportation management plans, **traffic and safety studies**, NEPA studies, ped/bike improvements, access management, signal design, and signing/marking design. Project experience includes **assessing the safety and operational features and developing traffic design improvements for railroad crossings** and designing traffic signals for preemption. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software.
01/24 – Ongoing	**Scenic Highway Corridor Improvements (Harding to Swan), City of Baton Rouge, East Baton Rouge Parish, LA.** *Senior Traffic Engineer.* The purpose of the project is to provide corridor enhancements including ***signal and railroad crossing safety upgrades*** and ped/bike accommodations along Scenic Highway. Responsible for the development of ***signal design plans*** and timings for the 3 locations, including a HAWK signal and an intersection with complex railroad crossing design. The project required ***collaboration with Illinoise Central Railroad*** to coordinate ***railroad crossing design upgrades***.
09/15 – 06/18	**US 165 Corridor Improvements, Ouachita Parish, LA.** *Traffic Engineer.* Responsible for performing ***traffic data collection*** and engineering tasks for the ***corridor study*** to develop superstreet, access management, and safety improvements for the US 165 corridor. The project was divided into 3 distinct segments for analysis purposes, as different software tools were needed to effectively analyze operational conditions for existing and future years. Arcadis prepared all materials and conducted a public meeting to present concepts to the public and local stakeholders.
08/14 – 06/15	**Safety Studies IDIQ - LA 3235 Corridor Improvements, LADOTD, Lafourche Parish, LA.** *Traffic Engineer***.** Responsible for review of existing ***traffic and crash data*** and ***traffic operations analysis***, development of ***safety countermeasures***, conceptual drawings, and Stage 0 documentation. Purpose of the project was to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the corridor. Safety performance of alternatives were estimated using Highways Safety Manual predictive methods.
11/22 – 02/24	**Airline Highway Corridor Study, LADOTD / City of Baton Rouge, East Baton Rouge Parish, LA.** *Traffic Engineer.* Project purpose was to evaluate the operational and safety needs of the Airline Highway Corridor from Florida Blvd to the River. The corridor has several ***at-grade railroad crossings, which were evaluated with respect to operations and safety***. Improvement concept were developed to address any identified operational and safety needs, including those assocaited with railroad crossings. Project tasks included ***traffic data collection***, traffic analysis, and alternative development.

02/22 – Ongoing	**I-10 Calcasieu River Bridge P3, LADOTD, Calcasieu Parish, LA.** *Traffic Engineering Design Manager* 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. Responsibilities include overseeing the delivery of traffic engineering design and deliverables including IMR, Transportation Management Plan, traffic signal design, signing and marking design, and ITS design. ***Coordination with CPKC Railroad is also required for signal design and transportation management during construction.***
02/17 – 02/18	**Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** *Traffic Engineer.* Responsible for ***data collection and analysis***, ***traffic analysis***, and ***conceptual design drawings***. 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.
04/16 – 09/18	**Safety Studies IDIQ - New Orleans Pedestrian Safety Feasibility Study, 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 lead project stakeholder meetings to review alternatives, obtain feedback, and develop ***context sensitive solutions***. Completed ***Stage 0 documentation*** including ***Preliminary Scope and Budget and Environmental Checklists*** for all 20 intersections.
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.
10/18 – 03/21	**LA 3040 Corridor Improvements, LADOTD, Houma, LA.** *Senior 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 any deficiencies discovered***. Arcadis performed traffic analysis using Highway Capacity Software.
04/21 – 06/22	**Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA.** *Project Manager.* Responsible for managing project tasks and deliverables that Arcadis is responsible for and ensuring QAQC protocols are performed. Arcadis is performing all ***crash data analysis*** tasks for the ***SHSP update***, including a ***statistical analysis of existing emphasis areas*** and evaluating potential modifications to emphasis areas.
01/19 – 05/20	**Safety Design IDIQ - 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.
02/15 – 08/17	**US 71 Corridor Phase II Traffic and Safety Study, LADOTD; Rapides Parish, LA.** *Traffic Engineer.* Responsible for providing ***traffic data collection***, warrant studies, ***traffic analysis, safety data analysis***, and development of ***conceptual layouts***. Played a key role in the development of feasible alternatives to replace the existing traffic circle. Responsible for the development of conceptual design drawings and ***construction cost estimates*** for proposed alternatives. Assisted with the completion of ***Stage 0 documentation*** including ***Preliminary Scope and Budge and Environmental Checklists***.

Firm employed by. ARCADIS				Meets MPR No. 4
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 / 03/31/2026; PTOE #3455 / USA / 07/01/2027; PTP #604 / 07/01/2026	
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Corridor Studies / Diagnostics (Highway / Rail Safety)**	

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

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

Firm employed by. NEEL-SCHAFFER				Meets MPR No. 4
Name	Nick Ferlito, Jr., PE, PTOE		Years of relevant experience with this employer	28
Title	Principal Transportation Engineer		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			BS / 1993 / Civil Engineering; MS / 1996 / Civil Engineering	
Active registration number / state / expiration date			PE No. 28001 / LA / Exp. 09/30/2027; PTOE. 930 / Exp. 04/2026	
Year registered	1998	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Quality Control / Quality Assurance**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Ferlito serves as the firm's Principal in Louisiana. Mr. Ferlito is a traffic/transportation engineer who has managed a range of traffic and safety related projects. Mr. Ferlito has served as the project manager for IDIQ Safety Study Contracts 44–01583, 44–04402, 44–10504, and 44–23689 and for Stage 0 Studies, safety studies, local and regional traffic impact studies, intersection studies, corridor studies, transportation management plans, signal timing studies, warrants analysis, traffic signal inventories, signal design projects and other traffic engineering related projects for both public and private projects. Mr. Ferlito is experienced with numerous traffic engineering software packages include HCS, CORSIM, SYNCHRO, Tru–Traffic (TSPPDraft), SIDRA and has completed training on LADOTD's CAT Scan safety tool. Mr. Ferlito is a certified Professional Traffic Operations Engineer (PTOE) and has completed the NEPA and Transportation Decision Making course (2004), the Highway Safety Manual Workshop (2011) as well as LADOTD's Traffic Engineering Process and Report (TEPR) training.
03/19 – 03/24	**IDIQ Contract for Stage 0 Studies, Statewide, LA.** *Traffic Lead and Principal.* This contract included conducting ***six Stage 0 Feasibility Studies*** in multiple locations throughout Louisiana. Projects included existing conditions analysis, conceptual and schematic design, stakeholder and public meetings, cost estimates, and ***improvements to increase both vehicular and pedestrian safety*****.** Served as project principal. The outcomes include ***reductions in crashes and fatalities*** and improved connectivity.
11/16 – 07/19	**LA 385 Feasibility Study, Lake Charles, LA.** *Project Manager* for this study. Coordinated the ***Traffic and Safety studies*** as part of the Stage 0 Study to in support of safety and capacity improvements along the LA 385 (Ryan Street) corridor between LA 3186 south of I–10 to Eddy Street north of I–10, including the LA 385 interchange with I–10. Identified ***near term and long–term improvements*** along the corridor. The study included data collection, traffic forecasting, existing/no build and build traffic and safety analysis.
02/16 – 10/17	**LA 6 Feasibility Study, Natchitoches, LA.** *Traffic Engineering Manager*. Prepared and coordinated a formal Stage 0, including a comprehensive ***safety analysis and traffic study*** for the purpose of analyzing existing and future conditions along the LA 6 corridor between Parish Road 542 west of I-49 to LA 3278 east of I-49, including the LA 6 interchange with I-49 to determine feasible alternatives that will preserve and ***enhance mobility and safety***.
07/14 – 06/15	**US 165 Pedestrian Safety Study / Stage 0, Ouachita Parish, LA.** *Traffic Engineering Manager.* Developed a Stage 0 Report in support of ***pedestrian crossing/movement alternatives*** along US 165 near the Ollie Burns Public Library and the Richwood Junior High and High School in the Town of Richwood, LA.

05/15 – 06/18	**LA 328 Stage 0 Traffic & Safety Study, Breaux Bridge, LA.** *Traffic Engineering Manager.* Developed ***traffic and safety analysis*** for LA 328 in proximity to I-10 in St. Martin Parish.
02/15 – 04/18	**LA 384 Stage 0 Traffic & Safety Study, Lake Charles, LA.** *Traffic Engineering Manager.* Developed ***traffic and safety analysis*** for LA 384 (Country Club Road) from Big Lake Road to McNeese Street.
10/13 – 12/16	**LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA.** *Traffic Engineering Manager.* Provided ***Traffic Engineering Services*** necessary to conduct Stage 0 Feasibility Studies.
01/22 – 06/22	**US 167. I–10 to Willow Street Road Safety Assessment.** *Project Manager* for this study. Coordinated the Road Safety Assessment for US 167 from I–10 to Willow Street to conduct a safety study, perform a field evaluation and engage stakeholders to develop alternative concepts to reduce pedestrian and bicycle crashes and fatalities.
07/13 – 05/15	**Safety Study, LA 49 (Williams Blvd.,) Kenner, LA. Stage 0 / Safety Study (S.P. No. 4400001583, T.O. No. H.010570).** *Traffic Engineering Manager.* Developed a Stage 0 Report in support of ***safety improvements*** along the US 49 (Williams Boulevard) corridor between Airline Drive and 32nd Street north of I-10.
8/20 – Present	**I–10 & I–12 College Drive Flyover Ramp Design Build, Baton Rouge, LA.** *Traffic Lead* for ***Interchange Modification Report*****,** Transportation Management Plan (TMP) and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) and Vissim modeling for evaluating various MOT strategies. The project also includes signal modification plans at College Drive and the I–10 WB off ramp.
02/23 – Present	**US 61 at Victoria Drive Pedestrian Study, East Baton Rouge Parish LA.** *Principal* for this study. Safety study to identify ***pedestrian safety countermeasures*** at a high need location on US 61 in East Baton Rouge Parish. This study identified and analyze a pedestrian crossing location with a high number of predicted pedestrian crashes and expected use consistent with planned regional multiuse paths along Airline Highway in North Baton Rouge.
07/21 – 04/22	**District 61 Intersection Safety Studies.** *Project Manager* for this study. Coordinated the ***intersection safety studies*** at 10 intersections in District 61 to identify ***low–cost countermeasures*** to reduce crashes.
04/20 – 07/21	**District 05 Safety Investment Plan.** *Project Manager* for this study. Coordinated the ***evaluation of crashes*** on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential low–cost safety improvements.
06/22 – 10/24	**District 03 Safety Investment Plan.** *Engineer* for this study evaluating crashes at 119 locations on the state and local highway networks using variations in crash statistics to identify possible roadway issues and potential ***low–cost safety improvements***.
02/19 – 3/20	**District 07 Safety Investment Plan.** *Project Manager* for this study. Coordinated the evaluation of crashes on the state and local highway networks using variations in crash statistics to identify possible roadway issues and ***potential low–cost safety improvements.***

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	Professional Engineer – LA / PE.0047579 09/2027; PTOE #5291 / USA / Exp. 7/2028; RSP2I #182 / USA / Exp. 7/2027		
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Corridor Studies /Diagnostics (Highway / Rail Safety)**		

Experience dates	Experience and qualifications relevant to the proposed contract
	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.
01/24 – Ongoing	**Scenic Highway Corridor Improvements (Harding to Swan), City of Baton Rouge, East Baton Rouge Parish, LA.** *Traffic Engineer.* The purpose of the project is to provide corridor enhancements including ***signal and railroad crossing safety upgrades*** and ped/bike accommodations along Scenic Highway. Responsible for the development of ***signal design plans*** and timings for the 3 locations, including a HAWK signal and an intersection with complex railroad crossing design. The project required ***collaboration with Illinoise Central Railroad*** to coordinate ***railroad crossing design upgrades***.
02/22 – Ongoing	**I-10 Calcasieu River Bridge P3, LADOTD, Calcasieu Parish, LA.** *Traffic Engineer.* The purpose of the I-10 Calcasieu Bridge Replacement P3 project is 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. Responsibilities include assisting in the delivery of traffic engineering design and deliverables including IMR, Transportation Management Plan, traffic signal design, signing and marking design, and ITS design. ***Coordination with CPKC Railroad is also required for signal design and transportation management during construction.***
11/22 – 02/24	**Airline Highway Corridor Study, LADOTD / City of Baton Rouge, East Baton Rouge Parish, LA.** *Traffic Engineer.* Project purpose was to evaluate the operational and safety needs of the Airline Highway Corridor from Florida Blvd to the River. The corridor has several ***at-grade railroad crossings, which were evaluated with respect to operations and safety***. Improvement concept were developed to address any identified operational and safety needs, including those assocaited with railroad crossings. Project tasks included ***traffic data collection***, ***existing safety analysis***, traffic analysis, and alternative development.

02/23 – 05/24	**Safety Studies IDIQ - 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 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. Performed benefit-cost analysis to aid in prioritizing the implementation of countermeasures.
10/18 – 03/21	**Safety Studies IDIQ - 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	**Safety Studies IDIQ - 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.
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.
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.
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***.

Firm employed by. NEEL-SCHAFFER

Name	**Lance Decuir, PE, AICP, RSP**	Years of relevant experience with this employer	2
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering; MS / 2008 / Transportation Systems; MBA / 2011	
Active registration number / state / expiration date		PE No. 45293 / LA / Exp. 09/30/2027	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Highway / Rail Safety)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Decuir joined Neel–Schaffer in 2023 and serves as a Senior Project Manager for Transportation planning, based in the firm's Lafayette (LA) office. Lance has two decades of experience in transportation planning, preliminary engineering, and management, eight with the Florida Department of Transportation and 12 for consulting engineering firms. From transportation policy initiatives at the local level to project development studies at the statewide level, Lance has extensive experience in a multitude of transportation disciplines, including transportation planning, project management, public involvement, transportation engineering, environmental studies, and traffic control studies.
08/23 – 07/24	**Comprehensive Safety Action Plan for Capital Region Planning Commission, Baton Rouge, LA.** *Project Manager.* Assisted the CRPC with the preparation of a Comprehensive Safety Action Plan for Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The project includes project management, public engagement, existing conditions review, crash data and safety analysis (regional trends, regional distribution of crashes, identification of high–risk corridors and intersections), ***countermeasure toolbox,*** implementation plan, visualization and graphics, implementation grant assistance, and a safety action plan.
07/21 – 05/23	**Corridor E Stage 0 Study, Williamson County, TX.** *Project Manager.* This study involved Stage 0 for a ***new corridor*** in Williamson County. The proposed facility is a controlled access facility with two 2–lane main lanes, two 3–lane frontage roads, and two shared–use paths (one on each side of the ROW). The proposed ROW will be 350 feet wide; however, it may vary to accommodate drainage, including detention ponds and drainage easements. Developed a feasible route for a greenfield, new–location controlled access roadway between future SH 29 and Ronald Reagan Boulevard.
09/20 – 04/23	**TxDOT Austin District, I–35 Schematic and Environmental Study (FM 1431 to SH 45), Round Rock, TX.** *Project Manager* for this Stage 0 study that included approximately $1.5 billion in improvements for the study of I–35 in Round Rock from SH 45 to FM 1431, approximately 7 miles. The study included ***conceptual alternatives analysis and traffic operational analysis*** to determine the most optimal solution for this section of I–35 and included collector–distributor analysis, general use and main lane analysis to add capacity of this section of I–35 in Round Rock.
06/22 – 04/23	**Corridor J Stage 0 Study, Williamson County, TX.** *Project Manager* for a Stage 0 study for a new limited access corridor in Williamson County. The proposed facility is a controlled access facility with two 2–lane main lanes, two 3–lane frontage roads, and shared–use paths. The proposed ROW will typically be 350 feet wide; however, it may vary to accommodate drainage, including detention ponds and drainage easements. Developed a feasible route for the new–location controlled

	access roadway between future SH 195 and SH 183, a distance of 7 miles. The study included ***extensive public involvement*** with affected property owners to help determine the best location of the preferred alignment.
08/20 – 12/21	**CAMPO Corridors Stage 0 Study, San Marcos, TX.** *Project Manager.* Responsible for the transportation element of the Stage 0 study, which focused on a multi–modal approach addressing potential transit, bicycle, and pedestrian improvements along the existing corridors of SH 123 and SH 80, and the potential of a new corridor with the extension of SH 21 to the south. Transportation elements of the project looked at ***traffic operational analysis and existing conditions*** to recommend potential future modifications to meet the study goals. This inclusive planning study examined local transportation within the context of six inter–related planning elements to generate synergistic and regionally significant place– making benefits through subsequent projects and policies.
11/19 – 02/21	**Ronald Reagan Route Stage 0 Study, Williamson County, TX.** *Project Manager* responsible for the **Stage 0 study** to analyze the extension of Ronald Reagan Boulevard from I–35 to H–95, approximately 10 miles. Responsible for the development of various sections of roadway to analyze alignments while minimizing impacts on the surrounding environment. The extension is proposed to be a four–lane mainline limited access facility, with three–lane frontage roads in each direction.
08/23 – 07/24	**Comprehensive Safety Action Plan for SCPDC / Houma-Thibodaux Metropolitan Planning Organization, Houma, LA.** *Project Manager.* Prepared a Comprehensive Safety Action Plan for the HTMPO, which covered Assumption, Lafourche, and Terrebonne Parishes. The project includes public engagement, ***safety analysis,*** equity analysis, policy review, vision and goal setting, and strategy and project selection for each parish within the study area. The project also included a corridor study for Grand Caillou Boulevard and a focused local school safety plan for Assumption Parish.
08/23 – 06/24	**Comprehensive Safety Action Plan for Central Mississippi Planning and Development District, Jackson, MS.** *Project Manager.* Prepared a Comprehensive Safety Action Plan for the CMPDD, which covers Copiah, Hinds, Madison, Rankin, Simpson, Warren, and Yazoo Counties. The project includes public engagement, ***safety analysis*****,** equity analysis, policy review, vision and goal setting, and strategy and project selection for each county within the study area.
08/24 – 07/25	**Comprehensive Safety Action Plan for Yalobusha County, Yalobusha County, MS.** *Project Manager.* Prepared a Comprehensive Safety Action Plan for Yalobusha County. The project included public engagement, ***safety analysis,*** equity analysis, policy review, vision and goal setting, and strategy and project selection for Yalobusha County and local communities within.
08/24 – 07/25	**Safe Access and Community Connections Comprehensive Safety Action Plan, D'Iberville, MS.** *Project Manager*. Prepared a Comprehensive Safety Action Plan to study the need for a pedestrian crossing across the interstate system, which cuts off the city to pedestrian circulation. The project included public engagement, ***safety analysis,*** equity analysis, policy review, vision and goal setting, and strategy for pedestrian crossing of I-10 and I-110. Ultimately multiple pedestrian bridge solutions were recommended along with pedestrian connections.

Firm employed by: NEEL-SCHAFFER			
Name	**Becky Rogers, PE, PTP, RSP**	Years of relevant experience with this employer	19
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 1998 / Civil Engineering; MS / 1999 / Community Planning	
Active registration number / state / expiration date		PE. 26739 / AL / Exp. 12/31/2026	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Highway / Rail Safety)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Rogers has 25 years of experience as a transportation engineer and planner. She has managed numerous projects and has worked with many municipalities, counties, and governmental agencies, including several DOTs and MPOs, FHWA, FRA, FTA, and the FAA. She has experience in roadway design, transportation planning, safety studies, aviation planning & design, construction management, and large-scale data collection.
06/10 – 01/12	**ALDOT Railroad Crossing Inventory, Statewide, AL.** *Project Manager* for ***railroad crossing inventory update*** for ALDOT Bureau of Transportation Planning and Modal Programs. Project included performing a detailed inventory of all open, public, at-grade railroad crossings in the State of Alabama, organizing the data in an Access database, and displaying it in ArcMap. The project also involved organizing and maintaining large amounts of data, managing multiple field crews, preparing field guides and user manuals, training ALDOT personnel to collect field data and use the GIS map, and coordinating among ALDOT, railroad personnel, traffic engineers, and transportation coordinators at school districts throughout the state.
09/11 – 06/14	**FDOT Rail Highway Crossing Inventory, Statewide, FL.** *Project Manager* for portions of a ***rail highway crossing inventory*** throughout Florida. Responsibilities included recommending data fields to be collected per ***Federal Railroad Administration (FRA) standards***, suggesting methods to collect this data, creating training materials for field crews, training all field crews, and reviewing and commenting on the field crew data collection tablet interface throughout its preparation. Additional tasks included managing two field crews, assigning field work, providing Quality Assurance checks for collected data, reviewing new FRA documents, and assisting FDOT in preparing comments on these documents for submittal back to FRA.
06/16 – 08/20	**FDOT MUTCD Curve Compliance, Statewide, FL.** *Project Manager* for a statewide ***horizontal curve analysis*** which involved leading a large project team (including seven subconsultants). Project included collecting ***horizontal curve data*** using CARS (Curve Advisory Reporting Service), processing the data, and providing recommended advisory speeds and signage for nearly 5,000 sites throughout Florida. The project also included preparing sign plans for curves to bring them into compliance with the 2009 MUTCD and entering curve data into the RCI database.
07/15 – 12/18	**ALDOT Horizontal Curve Safety Improvement Program, Various Locations, AL.** *Project Manager* for ***Roadway Safety Assessments at 323 sites*** in the south half of the state (ALDOT's Southeast and Southwest Regions and the Alexander City Area of the East Central Region) for areas with high crash frequencies. Project included collecting horizontal curve data utilizing the CARS (Curve Advisory Reporting Service) system. Supporting crash data provided by the state was analyzed and

	field assessments were conducted with ALDOT staff. Road Safety Assessment Reports were prepared with recommendations for countermeasures to increase safety.
09/17 – 08/18	**I-85 Road Safety Assessment, Montgomery & Macon Counties, AL.** *Project Manager* for a ***10-mile road safety assessment*** along I-85 in Montgomery and Macon Counties for ALDOT's Office of Safety. Project included collecting horizontal curve data using CARS (Curve Advisory Reporting Service), processing the data, and providing ***recommended advisory speeds and signage.*** The project also included conducting a road safety assessment of I-85 and three interchanges, preparing a report outlining solutions to reduce crashes and roadway departures, and developing a roll map of improvements.
03/19 – 06/19	**US-84 Road Safety Assessment, Houston County, AL.** *Project Manager* for a 3.3-mile road safety assessment along US-84 from milepost 212.7 to milepost 216.0 in Houston County for ALDOT's Office of Safety. Project included ***reviewing crash data***, ***conducting a road safety assessment*** of US-84 and four intersections, and preparing a ***report proposing short- and long-term solutions*** to reduce crashes.
01/20 – 09/21	**ALDOT Road Safety Reviews, Statewide, AL.** *Project Manager* for multiple ***road safety reviews*** for ALDOT's Office of Safety. Project included reviewing crash data at each site, conducting road safety reviews, and preparing reports proposing short- and long-term solutions to reduce crashes.
02/19 – 07/22	**2045 Long Range Transportation Plan, Auburn-Opelika MPO, AL.** *Project Manager* for a 25 Year Long Range Transportation Plan for the Auburn-Opelika MPO. Project included collecting and analyzing data on the current transportation system, performing a multimodal ***safety analysis,*** conducting public meetings, setting goals for future transportation management, and proposing a plan to accomplish these goals.
09/23 – 04/24	**Safety Action Plan, Dothan, AL.** *Project Manager* for a Safe Streets for All Safety Action Plan for the City of Dothan. The planning effort includes extensive public engagement, equity analysis, ***crash analysis*****,** goal setting, strategy/project selection and prioritization, and an implementation plan.
09/23 – 04/24	**Safety Action Plan, Clarksville, TN.** *Quality Control Reviewer* for a Safe Streets for All Safety Action Plan for the City of Clarksville. The plan includes public engagement, equity analysis, ***crash analysis*****,** goal setting, strategy/project selection and prioritization, and an implementation plan.
08/23 – 06/24	**Safety Action Plan, Central Mississippi Planning and Development District, Jackson, MS.** *Quality Control Reviewer* for a Safe Streets for All Safety Action Plan. The plan includes public engagement, equity analysis, ***crash analysis*****,** goal setting, strategy/project selection and prioritization, and an implementation plan.
11/21 – 09/23	**Transit SSEPP Updates, Statewide, AL.** *Project Manager* to assist the ALDOT Transit Section in updating their Safety, Security, and Emergency Preparedness Plan (SSEPP) Template and Forms to comply with the Public Transportation System Security and Emergency Preparedness Planning Guide published by the ***Federal Transit Administration (FTA)*** as well as any new SSEPP requirements from the FTA. Project also included assisting approximately 30 Section 5311 Agencies statewide in developing or updating their SSEPP Plans and thoroughly reviewing all draft plans.

Firm employed by. NEEL-SCHAFFER			
Name	**William Case Fulcher, PE, PTOE, PTP, RSP_{2B}, RSP_{2I}**	Years of relevant experience with this employer	8
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2015 / Civil Engineering; BS / 2012 / Civil Engineering	
Active registration number / state / expiration date		PE. 45329 / LA / Exp. 09/30/2027; PTOE No. 5158 / 11/20/27; PTP No. 786 / 11/20/27; RSP2B No 33 / 07/18/26; RSP2I No 147 / 3/20/26	
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Highway / Rail Safety)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Fulcher joined Neel–Schaffer in 2017 after working as a graduate research/teaching assistant for the Mississippi State University Department of Civil and Environmental Engineering. Since joining Neel–Schaffer he has provided a variety of traffic data collection and safety analysis studies and services. Mr. Fulcher has extensive experience in corridor and intersection safety studies. Through the evaluation of crash history, roadway geometrics, and traffic volumes, he evaluates a variety of safety improvements to provide a ranked list of safety improvements. He also has significant experience in traffic forecasting, modeling, and analysis using CORSIM, HCS, Vistro, Synchro, ISATe, IHSDM, and TruTraffic for corridor and intersection studies for both public and private clients. His experience includes traffic signal design, traffic signal coordination, traffic signal timing, traffic impact analyses, transportation planning, and transportation safety planning. Mr. Fulcher also holds a Road Safety Professional 2 Infrastructure (No. 147) and Behavioral (No. 33).
08/20 – Ongoing	**I–10 / I–12 College Drive Flyover Design Build, Baton Rouge, LA.** *Traffic Engineer, Safety Analyst.* Provided the ***safety analysis*** for the interchange modification report (IMR) and traffic management plan for the proposed changes to the merger between I–12 and I–10 in Baton Rouge.
06/22 – 10/24	**Retainer Contract for Safety Studies, District 03 Safety Investment Plan**. *Engineer* for this study evaluating crashes at 119 locations on the state and local highway networks using variations in ***crash statistics*** to identify possible roadway issues and potential low–cost safety improvements.
02/19 – 03/20	**Retainer Contract for Safety Studies, District 07 Safety Investment Plan.** *Traffic Engineer, Safety Analyst.* Analyzed and compared ***safety countermeasures*** and analyzed crash history to determine potential improvements. Developed a priority list for future safety projects.
05/20 – 06/21	**Retainer Contract for Safety Studies, District 05 Safety Investment Plan.** *Traffic Engineer, Safety Analyst.* Performed area wide safety screening to identify areas with high potential for ***safety improvements***. Identified potential safety improvements to 76 locations including segments and intersections within LaDOTD District 07. Prepared a ranked priority list of projects. Coordinated and led project meetings.
02/18 – 02/19	**Retainer Contract for Safety Studies, District 08 Safety Investment Plan.** *Safety Analyst.* Identified potential ***safety improvements*** to seventy–two locations including both segments and intersections within LaDOTD District 08. Developed an Excel based tool to perform benefit/cost comparisons of safety countermeasures. Prepared a ranked priority list of projects.

12/19 – 12/20	**US 80 Intersection at Bellevue Road Stage 0 / Feasibility Study, Bossier Parish, LA.** *Project Engineer.* Performed traffic data collection, ***safety analysis***, and traffic operational analysis.
01/17 – 04/19	**LA 385 Ryan Street Feasibility Study, Lake Charles, LA.** *Traffic Engineer, Safety Analyst.* Performed data collection, ***traffic engineering,*** and transportation planning services for a feasibility study to determine ***safety and operational improvements*** for approximately 1.8 miles of LA 365 in Lake Charles, LA. Services included traffic volume forecasts, intersection and segment analysis, alternative development, and identifying potential safety countermeasures.
02/17 – 02/18	**US 190 & US 171 Signal Timing Study, DeRidder, LA.** *Traffic Engineer.* Provided traffic engineering services including both the development and implementation of ***traffic signal timing plans*** for ten signals in DeRidder.
02/20 – 10/21	**I–59 at US 49 PEL Study, Forrest County, MS.** *Traffic Engineer, Safety Analyst.* Provided the safety analysis for both existing and future expected conditions. Assisted with ***traffic engineering services.***
04/19 – 12/19	**District 07 Traffic Signal Timing Upgrade, Lake Charles, LA.** *Traffic Engineer, Safety Analyst.* Provided traffic engineering services to upgrade the ***signal timings*** and coordination at five intersections along LA 14.
03/19 – 11/19	**District 61 Traffic Signal Timing Upgrade, Baton Rouge, LA.** *Traffic Engineer, Safety Analyst.* Provided traffic engineering services to upgrade the ***signal timings*** and coordination at six intersections along US 61 / LA 408.
01/20 – 09/21	**Mississippi State University Master Plan Update, Starkville, MS.** *Transportation Planner.* Services included identifying improvements to existing circulation, identifying new ***beneficial connections***, determining areas of parking need, identifying potential new parking locations.
02/21 – 09/21	**Transportation Plan for Starkville, Mississippi State University, and Oktibbeha County, MS.** *Traffic Engineer, Transportation Planner.* Provided a regional transportation plan to provide guidance to all governmental entities for a coordinated effort to ***improve traffic*** in the area. Services included traffic volume forecasts, intersection and segment analysis, and alternative development.
03/19 – 011/19	**District 08 Traffic Signal Timing Upgrade, Natchitoches, LA.** *Engineer Intern.* Provided traffic engineering services to upgrade the ***signal timings and coordination*** at four intersections along LA 1 / LA 6.
9/21 – 04/22	**Retainer Contract for Safety Studies, District 61 Safety Study, LA.** *Safety Analyst.* Performed area wide safety screening and ***crash analysis*** to identify areas with high potential for safety improvements. Identified potential safety improvements to 9 intersections within LaDOTD District 61.
06/21 – Ongoing	**District 6 Emergency Signal and ITS Repair, Hancock and Harrison Counties, MS.** *Traffic Engineer.* Performed signal inventories and prepared ***signal design sheets*** and quantity takeoffs.
09/20 – Ongoing	**MOVEBR College Drive Enhancements, Baton Rouge, LA.** *Safety Analyst.* Performed ***crash analysis*** along College Drive in the vicinity of I–10 to determine potential safety issues and develop safety improvement recommendations where feasible.
10/21 – Ongoing	**MOVEBR Harding Boulevard at Interstate I–110, Baton Rouge, LA.** *Safety Analyst.* Performed ***crash analysis*** along Harding Boulevard in the vicinity of I–110 to determine potential safety issues and develop safety improvement recommendations where feasible.

Firm employed by. ARCADIS

Name	**Mason Hodges, EIT**	**Years of relevant experience with this employer**	1
Title	Transportation Engineer	**Years of relevant experience with other employer(s)**	1
Degree(s) / Years / Specialization	BS / 2023 / Civil Engineering, North Carolina State University		
Active registration number / state	A-30954 / NC		
Year registered: 2023	Discipline: Civil Engineer		
Contract role(s) / brief description of responsibilities	**Corridor Studies / Diagnostics (Diagnostic Reviews and Federal Reporting) & Railroad Crossing Design**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mason has 2 years of experience as a roadway and traffic designer. His role has included highway-rail crossing safety improvements, roadway safety, and roadway operational improvements. Mason has extensive experience with GDOT's Railroad Crossing Safety Program including work on more than 150 crossings throughout the state. He has led efforts in communications with local municipalities, performed field work in documenting and evaluating existing conditions, provided updates to relevant software programs, and completed numerous Highway-Rail Engineering Final Reports in accordance with applicable GDOT standards, MUTCD guidance, and railroad criteria.
10/24 – Ongoing	**On-Call Professional Services Class III (Shortline) Railroad Crossing Safety Program, Statewide, GA for GDOT.** *Traffic Designer* ***responsible for supporting statewide highway-rail crossing safety efforts through field inventory and data collection for both active and passive at-grade crossings***. Duties included ***analyzing operational, geometric, and functional relationships between grade crossings, adjacent intersections, and the surrounding roadway network***, as well as reviewing planned and proposed roadway projects and safety improvements along rail corridors to evaluate impacts to highway-rail safety and traffic operations. Responsibilities also included ***developing recommendations for active warning device improvements, crossing consolidations, and documentation supporting corridor-level safety improvements.*** Provided evaluations of the adequacy of existing passive warning devices and developed recommendations for MUTCD-compliant traffic control upgrades, including advance warning signage and pavement markings, in addition to supporting at-grade crossing closure analyses with consideration of alternate routes and impacts to the local roadway network.
6/23 – 10/24	**On-Call Traffic Data Collection, Statewide, NC for NCDOT,** *Field Technician and Quality Assurance Analyst* responsible for supporting s***tatewide traffic data collection efforts through the collection, processing, and summarization of traffic count data*** while maintaining data accuracy, completeness, and quality control standards. Responsibilities included performing quality assurance reviews of turning movement, speed, vehicle classification, and peak hour count data collected, as well as managing multiple concurrent data collection assignments to ensure projects were delivered in a timely and cost-effective manner. Developed extensive working knowledge of traffic data collection hardware and software, including Miovision Scout, PicoCount 2500, and JAMAR TRAX Apollyon, through hands-on field deployment, data validation, and post-processing review.
6/23 – 10/24	**On-Call Highway Safety Improvement Program (HSIP), Statewide, NC for NCDOT.** *Safety Analyst* responsible for supporting NCDOT's Highway Safety Improvement Program through crash data analysis using the Traffic Engineering Accident Analysis System (TEAAS) to ***identify collision patterns and evaluate documented safety concerns***. Responsibilities included developing collision diagrams using MicroStation and preparing GIS-based maps and exhibits to summarize crash trends, study limits, and supporting safety analysis information for use in project documentation and reporting.

Firm employed by. ARCADIS			
Name	**Brandon Thomas**	Years of relevant experience with this employer	8
Title	Transportation Designer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2018 / Civil Engineering, Kennesaw State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Diagnostic Reviews and Federal Reporting & Railroad Crossing Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Thomas has eight years of experience as a Railroad Crossing Designer and Traffic Designer. His role has included highway-rail crossing safety improvements, traffic signal design, traffic operations and response management, intersection improvements, and safety equipment purchasing. Mr. Thomas has extensive experience with Georgia Department of Transportation (GDOT) Railroad Crossing Safety Program including work on more than **850 crossings** throughout the state. He has led efforts in communications with local municipalities, delivering signing/pavement marking projects, performed field work in documenting and evaluating existing conditions, provided updates to relevant software programs, and completed numerous Highway-Rail Engineering Final Report
03/18 – Ongoing	**On-Call Professional Services Class III (Short Line) Railroad Crossing Safety Program, GDOT, Statewide, GA.** *Railroad Crossing Designer* for ***multiple at-grade railroad crossings corridor studies,*** as well as prioritized site location as needed. ***Responsible for safety analysis and proposed recommendations, contact with locals and railroad, and plan development***.
01/18 – 04/23	**ALDOT Section 130 Program of Safety Projects - Railroad Crossing Safety Improvements, ALDOT, Statewide, AL.** *Railroad Crossing Designer* for evaluation of 25 high hazard, at-grade railroad crossings throughout Alabama. ***Responsible for safety analysis and proposed recommendations, contact with locals and railroad personnel, and plan development.***
12/18 – 11/19	**Regional Traffic Operations Program, GDOT, Statewide, GA.** *Traffic Designer* for task related to ***traffic operations and response management including the implementation of the Automated Traffic Signal Performance Measures (ATSPM) software***. Data input into ATSPM software for intersection traffic signal phasing. Developed a guideline on how to assign traffic signal phasing into the ATSPM software. Assisted in traffic monitoring task at GDOT Traffic Management Center. Coordination with traffic signal corridor mangers and GDOT on response management to traffic incidents related accidents and signal outages.
05/22 – 12/24	**Pedestrian and Signal Upgrade Safety Project, Various Location, GA.** *Traffic Designer* for task related to plan development for 46 intersections across Georgia. ***Plans included ADA compliant ramps and sidewalks, traffic signal upgrades, and signing and marking.*** Managed design, scheduling, and project plan submissions in acordance with the GDOT PDP.
05/24 – 07/25	**Wrong Way Driving Deployment on Managed Lanes, Cobb and Henry County, GA.** *ITS Designer* for task related to plan development that includes the installation of wrong way driving safety equipment at five managed lane on/off ramp locations along I-75. Assisted in coordination with GDOT, vendors, and other appropriate SME. Managed design and project plan submissions.
03/24 – 08/25	**State Route 92 at Main Street Intersection Improvment Project, Cherokee County, GA.** *Traffic Designer* for proposed improvments that consist of restriping along SR 92 to provide three through lanes in each direction. ***Proposals also include the design of ADA compliant ramps and traffic signal upgrades*** at SR 92 at Main Street.

Firm employed by. ARCADIS			
Name	**Tait Karlson, PE, PTOE**	Years of relevant experience with this employer	2
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		MS / 2005 / Transportation Engineering, University of Florida BS / 2001 / Civil Engineering, University of Florida	
Active registration number / state / expiration date		PE.0040438 / LA / 09/30/2026; PTOE 3091 / USA / Exp. 07/20/2026	
Year registered	2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Traffic Engineering)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Karlson has over 20 years of experience in the field of traffic engineering. As a senior traffic engineer for Arcadis, his responsibilities include managing and delivering a range of traffic engineering tasks including intersection and corridor studies, safety studies, signal design, ITS design, **complete streets**, and access management studies. Project applications include **feasibility studies** and traffic and ITS design projects. He is proficient in relevant software including High Capacity Software (HCS), Synchro, Vissim, SIDRA, and MicroStation and is well versed in the policies and procedures in the Highway Capacity Manual, Highway Safety Manual, LADOTD manuals and EDSMs, and AASHTO Greenbook. **Tait has also completed the LADOTD Traffic Engineering Process and Report Training.**
05/17 – 03/19	**Stage 0 Feasibility Study - US 171 (MLK Blvd) Improvements, LADOTD, Lake Charles, LA.** *Senior Traffic Engineer*. Developed a calibrated VISSIM model for existing conditions and the future no-build conditions along US 171 in Lake Charles, LA. ***Alternative improvements*** were recommended and modeled to determine the best solutions to improve the corridor. The project included ***data collection***, development of growth rates, developing and calibrating an existing VISSIM model and ***evaluation and development of alternatives***, developing the final report, and performing QA/QC review.
06/12 – 09/13	**Feasibility Study - Abrams Street (Cooper Street to Collins Street), City of Arlington, TX.** *Traffic Engineer.* Performed a traffic and concept study as part of the Abram Street Pilot Project (Cooper Street to Collins Street). The report further stated that the future design of Abram Street will have a direct impact on the City's ability to fully implement the Downtown Master Plan's vision to revitalize the downtown area. The traffic study identified and estimated the potential diversion of Abram Street traffic to other area roadways as travel lane capacity is removed from the corridor. The concept study portion of the project ***developed concept alternatives*** for all modes of transportation and pedestrians. Tait was responsible for traffic analysis; ***alternative analysis and recommendations***; and preparation of the ***feasibility study report***.
09/11 – 05/12	**Feasibility Study – MS 30 at Lafayette CR 215/217, MDOT, MS.** *Traffic Engineer*. The project goal was to conduct a ***feasibility study*** and develop plans for proposed safety improvements at the intersection of MS 30 and CR 215/217. MDOT's goal was to implement improvements that would likely reduce crashes at this rural intersection while maintaining efficient traffic flow. The study concluded that construction of a roundabout would best address the critical needs of this intersection. Tait helped ***develop the concepts of the initial alternatives*** and then used the extensive procedure outlined in the Highway Safety Manual to perform the safety and ***benefit/cost analysis***.
09/23 – 12/24	**MS 15 From Audubon Drive to I-59, MDOT, Laurel, MS.** *Project Manager*. This project analyzed and designed roadway improvements to enable safe and efficient access for users of Highway 15 in Laurel, MS. The assignment included preparing traffic analysis and ***conceptual plans*** to convert the five-lane section to a four-lane boulevard with strategically placed U-

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

Firm employed by. ARCADIS			
Name	**Clara Foshee, PE, PTOE**	Years of relevant experience with this employer	2
Title	Traffic Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0044568 / LA / Exp. 09/2026; PTOE #5800 / LA / 11/2027	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Traffic Engineering)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	 Ms. Foshee is a Transportation Engineer specializing in traffic safety, **traffic engineering and design**, transportation management, and conceptual roadway design. Ms. Foshee has experience working on a range of transportation projects for LADOTD and various local municipalities pertaining to traffic and safety studies, corridor and intersection studies, access management, and pedestrian and bicycle improvements. She has experience with Highway Safety Manual and Highway Capacity Manual methods and is proficient in HCS, Synchro, and Sidra analysis software. **Ms. Foshee has completed the LADOTD Traffic Engineering Process and Report Training.**
03/22 – 07/23	**Morrison Road (Mayo – Bullard) Road Improvement Study, City of New Orleans / LADOTD; Orleans Parish, LA.** *Project Manager and Traffic Engineer*. Responsible for overseeing and managing project tasks including ***traffic data collection*** and analysis, warrant studies, traffic operational analysis, safety analysis, ***alternative and countermeasure development***, and ***conceptual drawings***.
04/23 – 07/23	**Distribution Center Traffic Impact Study, LADOTD; Ouachita Parish, LA.** *Project Manager and Traffic Engineer*. Responsible for overseeing and managing project tasks including ***traffic data collection*** and analysis, warrant studies, safety analysis, predictive traffic routing, traffic operational analysis, and ***alternative and countermeasure development***.
10/19 – 07/20	**LA 1065 at LA 3234 Intersection Control Evaluation, LADOTD; Tangipahoa Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including ***traffic data collection*** and analysis, warrant studies, safety analysis, traffic operational analysis, and ***alternative development and analysis***.
06/18 – 03/20	**LA 445 at Interstate 12 Safety Assessment, LADOTD; Tangipahoa Parish, LA.** *Traffic Engineer Intern*. Performed project tasks focused on assessing safety operations of existing interchange and developing ***appropriate countermeasures*** to improve safety for motorists.
10/19 – 07/20	**LA 437 at Wymer/Planche Intersection Control Evaluation, LADOTD; St. Tammany Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including ***traffic data collection*** and analysis, warrant studies, safety analysis, traffic operational analysis, and ***alternative development and analysis***.
02/17 – 10/18	**LA 22 at LA 21 / LA 1077 Roundabout Study, LADOTD; St. Tammany Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including ***extensive traffic data collection*** and analysis, warrant studies, safety analysis, predictive traffic routing, traffic operational analysis, and ***alternative development and analysis***.
04/16 – 06/16	**LA 436 Road Safety Assessment, LADOTD; Washington Parish, LA.** *Traffic Engineer Intern*. Attended project condition assessment and performed project tasks focused on assessing safety operations of existing roadway and ***developing countermeasures*** to improve safety for all users.

Firm employed by. NEEL-SCHAFFER			
Name	**Vijay Kunada, PE, PTOE, PTP**	Years of relevant experience with this employer	19
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	4.5
Degree(s) / Years / Specialization		MS / 2002 / Computer Science; MS / 2001 / Civil Engineering; BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		PE. 32145 / LA / Exp. 03/31/2026	
Year registered	2006	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Corridor Studies / Diagnostics (Traffic Engineering)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Kunada serves as a Project Manager for local and regional transportation plans, traffic impact studies, travel demand models, safety studies, signal warrant analysis, traffic signal timing plans, corridor analysis, interchange modification and justification studies, traffic simulation models (mesoscopic and micro), demographic forecasting, and other traffic engineering related projects for both public and private developments. He has extensive experience in traffic modeling including census data analysis, travel demand model development using TransCAD and CUBE, mesoscopic modeling using Dynameq and TransModeler, demographic forecasting, region wide safety data analysis, external travel surveys, Highway Capacity Software, Synchro, SimTraffic, ISATe, VISSIM, TransModeler, Dynameq, COSRSIM, DynaSmart-P, Trip Generation, traffic studies for Environmental Impact Statement projects, intersection studies and corridor analysis. His experience with traffic operational analysis includes microsimulation, freeway mainlines, ramp merge/diverge areas, weaving segments, multilane & 2-lane highways and intersection operations. Mr.Kunada served as project manager for 20 local and regional transportation plans in the states of Louisiana (managed six out of 8 MPO area plans), Mississippi, Alabama, Arkansas, Tennessee and Texas. Additionally, he has worked on developing transportation/infrastructure elements of comprehensive plans for City of Central, LA; Lafayette, LA; Alexandria, LA; Murfreesboro, TN; Louisville, KY. Mr. Kunada has completed DOTD's Traffic Engineering Process and Report (TEPR) training
07/21 – Ongoing	**Earhart Expressway Masterplan Stage 0 Feasibility Study, LA.** *Traffic/Safety Analysis.* Developed ***traffic and safety analysis studies.*** Project involves prioritizing several proposed projects along Earhart Expressway in Jefferson and Orleans Parishes.
02/15 – 04/18	**LA 384 Stage 0 Traffic and Safety Study, Lake Charles, LA.** *Traffic Engineering Manager.* Developed ***traffic and safety analysis*** for LA 384 (Country Club Road) from Big Lake Road to McNeese Street.
05/15 – 06/18	**LA 328 Stage 0 Traffic and Safety Study, Breaux Bridge, LA.** *Traffic Engineering Manager.* Developed ***traffic and safety analysis*** for LA 328 in proximity to I-10 in St. Martin Parish.
8/20 – Ongoing	**I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA.** *Mesoscopic Modeling Lead* for the analysis of ***Transportation Management Plan (TMP)*** for the proposed College Drive Ramp improvements. TMP was prepared for the various maintenance of traffic phases. Vijay is leading the Dynameq (Mesoscopic Modeling) modeling for evaluating various MOT strategies.
07/20 – Ongoing	**MRB South GBR. LA 1 to LA 30 Connector.** *Mesoscopic Modeling Lead.* Overseeing the development of regional mesoscopic model using Dynameq software and the analysis of proposed MS River bridge concepts under toll and non-toll options. Calibrated and validated 2019 base mesoscopic model was developed and approved by LADOTD and the team is currently

	working on finalizing the 2042 no-build model. These developed models can be used for the ***analysis of any proposed roadway projects*** within the model study area, and both LA 429 & LA 74 corridors are included in this study area.
10/20 – 03/22	**2046 Metropolitan Transportation Plan (MOVE 2046), Baton Rouge, LA.** *Project Manager.* Oversaw the development of performance based multi-modal long range transportation plan with ***detailed regional freight component***. MOVE 2046 tasks also include Congestion Management Process using big data sources and air quality conformity determination for the MPO with robust public and stakeholder engagement element.
09/20 – 06/21	**MOVE 2046 Demographics and Travel Demand Model (TDM) Update.** *TDM Manager.* Managed the development of tour based regional travel demand model (TransCAD) along with a land use allocation model for scenario planning and development of regional demographics. This is the latest model that should be used for all ***traffic forecasting*** within the Baton Rouge MPO area. Mr. Kunada also managed the development of all TDMs for the Baton Rouge MPO area since 2006.
08/16 – 10/18	**I-10 Mobile River Bridge and Bayway Widening, Mobile, AL.** *IMR Lead*. Oversaw the development of IMR from data collection phase through the approval of IMR by FHWA on October 3, 2018. Tasks included traffic forecast for toll and non-toll options, analysis of the proposed Mobile River Bridge and the widening of the Bayway, as well as the ***proposed modifications to the interchanges*** within the study area including Diverging Diamond Interchange (DDI) configurations at three locations, VISSIM modeling for analyzing complex weave conditions and the development of IMR in accordance with ALDOT guidelines and FHWA Policy Points.
11/15 – 03/19	**I-49 Interchange Improvement at US 190 and LA 31, St. Landry Parish, LA.** *Project Manager.* Tasks included the development of ***existing and future traffic projections*** and the development of ***corridor concepts*** using the access management strategies, road diet options and innovative intersection configurations such as R-Cuts, J-turns and Roundabouts.
03/17 – 12/17	**I-210 Bridge Traffic Impact Study, Calcasieu Parish, LA.** *Project Manager.* Managed a traffic study to develop a preferred alternative by analyzing the impacts of various I-210 bridge closure alternatives, and to develop recommendations to manage the expected congestion related to the planned rehabilitation of I-210 bridge over Prien Lake in Lake Charles, LA. Developed project specific ***travel demand model*** to model and understand the impacts of bridge closure scenarios.
12/14 – 12/14	**Stage 0 Feasibility Studies of Modern Roundabouts, Lafayette MPO Area.** *Project Manager.* Stage 0 studies supporting potential roundabouts at 23 intersections.
10/13 – 12/16	**LA 30 Stage 0 Traffic and Safety Study, Gonzales, LA.** *Traffic Forecast Lead.* Managed the development of future ***traffic forecast*** for the study using the CRPC Travel Demand model and considered future interchanges at I-10 and LA 74 and LA 429.

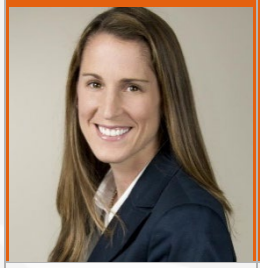
Firm employed by. NEEL-SCHAFFER				Meets MPR No. 4
Name	**Jonathan Duhe, PE, PTOE, RSP**		Years of relevant experience with this employer	12
Title	Traffic Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering	
Active registration number / state / expiration date			PE No. 41047 / LA / Exp. 03/31/27; PTOE No. 4418 / Exp 3/2027; RSP No. 282	
Year registered	2016	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Corridor Studies / Diagnostics (Traffic Engineering)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Duhe joined Neel–Schaffer in 2013 and has over a decade of experience working on a wide range of traffic and transportation projects. He has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. He is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru–Traffic (TSPPDraft), and SIDRA. Jonathan has completed training and has experience using LADOTD's CARTS safety tool. He is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed LADOTD's Traffic Engineering Process and Report (TEPR) training.
11/19 – Ongoing	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62).** *Ball Bank Studies.* This project will provide ***safety improvements*** for four parishes within three Districts. The tasks included under this project are Stage 0 Feasibility Studies, Planning/Environmental, Design (preliminary and final Plans) and construction related engineering. Assisted with the ball bank studies for the signing and striping jobs. Oversaw development of signal plans as a project engineer for FYA Signal Improvements. The task orders under this project are as follows. ***Local Road Signing (Vermilion) (SPN. H.013014);*** The project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves. ***LRSP (Iberia Parish and City of N.I.) (SPN. H.013770);*** Project includes signage and striping for ***safety improvements*** along 30 Miles of roadway. ***FYA Signal Improvements (LCG) Lafayette Parish (SPN. H.014579);*** This project includes the installation of flashing ***yellow arrows, cabinets, and detection systems*** for 28 intersections throughout Lafayette.
07/24 – Ongoing	**D02H Flashing Yellow Arrow Pt2, Houma, LA.** *Project Engineer.* Oversaw the design of ***40 traffic signals*** to update to include flashing yellow arrows. This project involved some full redesigns as well as some partial designs. Oversaw field data collection and plan development.
02/23 – Ongoing	**US 61 @ Victoria Pedestrian Study, Baton Rouge, LA.** *Project Engineer.* The focus of this study was to determine pedestrian safety issues and propose alternatives to improve the pedestrian safety along this 0.7 mile corridor. Oversaw the data collection, which included detailed pedestrian origin–destination counts to determine pedestrian paths and crossing locations along US 61. Oversaw the ***safety analysis*** including utilizing the CARTS tool to analyze existing crashes. Developed alternatives for further analysis.
03/21 – 04/24	**MOVEBR Synchronization and Communication Signal Rebuilds – Group 3, Baton Rouge, LA.** *Project Engineer.* Responsible for ***traffic signal design of 6 intersections*** within the city of Baton Rouge including data collection (TMCs, peak period

	observations, etc.), traffic signal analysis (Synchro), ***signal timing determination*** utilizing Synchro and Tru–Traffic softwares, and design plan preparation.
03/23 – 11/24	**City of Mandeville Safety Study Project, Mandeville, LA.** *Project Engineer.* Performing a high level ***safety study*** to develop low cost safety improvements and/or traffic calming recommendations to reduce crashes and increase safety along several corridors and at several intersections within the city of Mandeville. Responsible for data collection, ***safety analysis*****,** mitigation development, and report preparation.
03/23 – Ongoing	**Jimmie Davis Bridge Design Build, District 04, LA.** *Project Engineer.* Oversaw the data collection, operational analysis, ***safety analysis, traffic report preparation,*** and development of ***traffic signal design plans*** (permanent and temporary) for the design–build project that involves constructing a new bridge over the Red River.
04/20 – 06/21	**District 05 Safety Investment Plan District 05, LA.** *Traffic Engineer.* Assisted with ***safety analysis*** including reviewing crashes utilizing LaDOTD's CATScan tool and performing ***benefit–cost analysis of potential safety improvements*****.** Also assisted with report preparation.
02/19 – 03/20	**District 07 Safety Investment Plan District 07, LA.** *Traffic Engineer.* Assisted with safety analysis including ***reviewing crashes utilizing LaDOTD's CATScan tool*** and performing benefit–cost analysis of potential safety improvements. Also assisted with report preparation.
11/17 – 04/19	**District 08 Safety Investment Plan District 08, LA**. *Traffic Engineer.* Assisted with safety analysis including ***reviewing crashes utilizing LaDOTD's CATScan tool*** and performing benefit–cost analysis of potential safety improvements. Also assisted with report preparation.
02/20 – Ongoing	**I–20 at LA 544 Overpass Replacement, Lincoln Parish, LA**. *Signal Design Review.* This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes ***four multilane roundabouts*** located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I–20. The entire project limits are complete street compliant which means it provides facilities for all users. Tasks similar to Line and Grade completed. Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Mr. Duhe provided signal design review. Preliminary and final plans.
12/19 – 03/22	**US 80 Feasibility Study, Stage 0/Traffic & Safety Study, Haughton, LA**. Stage 0 Report in support of safety improvements along US 80 corridor, specifically in the vicinity of Bellevue Road and Mid–South Loop Road. All analysis performed in HCS for this study. The traffic study was performed in accordance with DOTD's TEPR. Project includes signalized intersections. Oversaw Intersection Operational Analyses (HCS), **safety analysis,** alternative development, and traffic report preparation.
08/22 – Ongoing	**LRSP Ardenwood Dr Road Diet, Baton Rouge, LA**. *Project Engineer.* Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation.

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 Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	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 surveys, workshops, and public meetings, and mediates negotiations to achieve resolutions among stakeholders and clients.
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 commendations, 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	**Feasibility Study - 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. Julie 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	**Feasibility Study - SR 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	**Feasibility Study - 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 ensure 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 information 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	**RAISE Grant Application – West Tuscarawas Street Multimodal Safety Project, 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	**Together for Safer Roads Grant writing – North Avenue Corridor, 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	**BUILD Grant writing – SR 15/US 441 Widening and Reconstruction, 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	**TIGER Grant writing – MLK Jr. Drive Corridor Improvement Initiative, 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	**SMART Study: Southwest Houston Sub-Regional Planning 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. ARCADIS			
Name	**Cara Hodgson Vojdani**	Years of relevant experience with this employer	6
Title	Senior Transportation Planner	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		MA / 2008 / Public Administration, Georgia State University BA / 2000 / Political Science and Concentration in Women's Studies, Furman University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Vojdani is strategic, innovative, and effective communications professional with 22 years' experience leading successful, multi-faceted campaigns for state, regional, and local organizations including the City of Atlanta, Metropolitan Atlanta Rapid Transit Authority (MARTA) and Georgia Department of Transportation (Georgia DOT). For 17 years, her experience has primarily focused on the transportation industry. Her engagement approach is focused on fostering meaningful connections with stakeholders and the community through multifaceted proactive outreach.
01/06 – 07/13	**Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, GA.** *Manager of Communications.* Managed all ***day-to-day media relations*** activities including ***writing and distributing press releases, responding to media inquiries, securing positive cover for MARTA in local and national news stories, responding to emergency situations, executing communication plans and coordinating interviews*** with the General Manager/CEO, MARTA Board of Directors, and Assistant General Managers. ***Managed major communications and media outreach campaigns educating the public, customers, and partners about MARTA's mission and initiatives.*** Wrote content and coordinated production of MARTA's annual report, Transit Times external newsletter, and the MARTA stop internal e-newsletter. Drafted speeches for MARTA's General Manager/CEO, board members, and directors. Oversaw all commercial filming and photography on the transit system in coordination with MARTA's legal, police, and operations departments. ***Developed campaigns to educate partners, customers, and the community about the MARTA service and the benefits of transit.*** Led internal communications, including managing the Internal Communications Specialist position.
01/19 – Ongoing	**Georgia DOT – GEC Communications, GDOT, Atlanta, GA.** *Communications and Engagement Lead*. Assisting with I-285 Westside Express Lanes communications and stakeholder and public engagement for the General Consultant (GEC) work for Georgia DOT. Coordinating communications, including videos, for the Georgia DOT I-85 Corridor Study. Led engagement and communications for Renew Atlanta DeKalb Avenue interim concept implementation and long-term design concept development.
01/19 – Ongoing	**I-285 Westside Express Lanes, GDOT, Multiple Locations, GA.** *Public Involvement / Outreach.* Coordinates proactive communications, ***including stakeholder and public engagement,*** for the General Consultant (GEC) work for GDOT's I-285 Westside Express Lanes project. This work includes ***communications plan development and updates, messaging, collateral development and updates, digital communications, stakeholder and public meetings and communication.*** Also led internal

	and external communications campaigns for the overall Georgia Express Lanes program, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects.
8/13 – 11/18	**Multiple Projects, HNTB, Atlanta, GA.** *Communications Director/Department Manager.* Led a 14-member communications team ***providing program management, communications, public relations, outreach/ engagement, digital, and creative services*** to regional and state transportation agencies including MARTA, SRTA, and GDOT. Led communications and outreach activities for MARTA's Planning Department, including More MARTA Atlanta, the city's largest expansion program in 40 years. As Communications Manager, worked collaboratively with team members to accomplish the following. • Served as firm's communication program manager for major state and regional transportation initiatives including, GDOT's Georgia Express Lanes, Georgia Commute Options (GCO), Fulton County Transit Master Plan and Xpress Commuter Service Transit Demand Management marketing plan. • Led internal and external communications campaigns for Georgia Express Lanes, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects. • Led the GCO communications team, delivering strategic communications services designed to inspire commuters and employers to engage in clean commute activities. • Coordinated GCO's efforts with partner organizations, including Transportation Management Associations, transit and transportation agencies, and local governments, further raising awareness about the benefits of clean community. • Provided communications support for public outreach activities for the development of the Fulton County Transit Master Plan. ***Coordinated development of a marketing and community engagement plan for Xpress to encourage commuters to use the transit service*** during Transform 285/400 construction.
01/19 – 12/22	**I-85 Corridor Study, GDOT, Gwinnett County, GA.** *Communications Manager.* Activities include writing and preparing project videos, a***ssisting with social media and supporting outreach activities***.
05/19 – 01/20	**DeKalb Avenue Complete Street, City of Atlanta, GA.** *Communications Manager.* Led communications and stakeholder engagement for the DeKalb Avenue interim concept implementation and long-term design concept development. This work included the ***development of a communications plan, project materials and a stakeholder presentation. Coordinated stakeholder meetings and assisted in preparing for a public meeting to present the project concept.***
01/17 – 01/18	**Fulton County Transit Master Plan, Fulton County, GA.** *Communications Manager.* ***Provided communications support for public outreach activities*** for the development of the Fulton County Transit Master Plan.
01/17 – 01/18	**Xpress Bus Service, Fulton County, GA.** *Communications Manager.* Coordinated the development of a marketing and community engagement plan for Xpress designed to encourage commuters to use the transit service during the 285/400 construction project.

Firm employed by. ARCADIS			
Name	**Michael 'Shane' Blatt, MBA**	**Years of relevant experience with this employer**	6
Title	Senior Communications Manager	**Years of relevant experience with other employer(s)**	20
Degree(s) / Years / Specialization		MBA / 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 Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Seasoned communications leader and strategist with significant experience in stakeholder and public engagement, targeted messaging, and information-sharing through digital and print communication channels, including pre-recorded webinars and Microsoft Teams live events. He has worked for or 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, he served as executive speechwriter and directed all internal communications as senior public relations manager at Hartsfield-Jackson Atlanta International Airport (ATL).
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. Spearheaded communications for More MARTA Atlanta, the city's largest expansion program in 40 years, and coordinated day-to-day meetings and deliverables. Reimagined the monthly electronic newsletter for More MARTA Atlanta to include ***more innovative content, including alternative story forms such as quizzes.*** Streamlined team's internal review process, reducing number of people and time involved for deliverables and resulted in better on-time deadline performance.
04/21 – 07/21	**MARTA HOPE Program, Georgia Department of Transportation, Atlanta, GA.** *Communications Lead/Project Manager.* 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. Organized and designed a print tri-fold brochure and PowerPoint presentation, incorporating MARTA images, fonts, colors, and other branding elements.
05/24 – Ongoing	**Georgia Commute Options, Atlanta Regional Commission, Atlanta, GA.** Lead the consulting team, consisting of Arcadis and seven subconsultants, for the Georgia Commute Options (GCO) outreach, marketing, and communications program. The GCO program aims to change travel behavior by reducing the number of single-occupant vehicles on metro Atlanta's roadways while promoting clean commute alternatives as part of a multilayered effort to ease traffic congestion and lower vehicle emissions across the region. ***As PM, monitor tasks and timelines, oversee invoicing and budgeting, and provide regular status updates to the client***. Based on lessons learned from Year 1 of the 3-year contract, executed an outcomes-centered approach that focused on SMART goals to grow the program and make GCO a household name. Also improved operational efficiencies, quality of deliverables, internal and client communications, and task oversight and documentation.

06/22 – 08/24	**SR 316 Planning Study, Georgia Department of Transportation, Atlanta, GA.** *Communications and Public Engagement Lead.* Responsible for spearheading all communications efforts and stakeholder and public outreach to educate, build awareness for, and solicit feedback on the study's findings and recommendations to improve a 40-mile section of SR 316. ***Narrated a 20-minute, pre-recorded webinar*** that consisted of developing talking points, slide decks, supporting visuals, and animations. Then coordinated with an internal production team to edit and refine the webinar to ensure high-quality messaging, audio, and video and to incorporate closed captioning.
02/24 – 05/24	**Nutrien Remediation Contractor Orientation, Nutrien.** *Video Production Lead.* Responsible for organizing, managing, and narrating a ***training video*** focused on the culture of safety at Nutrien, a global leader in the agriculture industry. Video targeted Nutrien's contractors and subcontractors, and it ***incorporated multiple static images, video clips, and animated graphics and text*** to amplify important information, including known and unexpected worksite hazards, personal protective equipment requirements, emergency response procedures, and stop work authority protocols. ***A quiz followed the video.***
6/22 – 6/23	**I-295 PD&E Study, Florida Department of Transportation, Jacksonville, FL.** *Communications and Public Engagement Lead.* Responsible for creating all promotional and informational materials, including a 6-page brochure and pre-recorded webinar, ahead of a hybrid public hearing. Crafted messaging, designed and animated the PowerPoint presentation, built icons and graphics, and ***narrated a 17-minute informational webinar that ran on continuous loop during FDOT's public hearing.***
11/19 – 7/23	**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 live, virtual chat session with the public that became the eventual blueprint for two other GDOT virtual public meetings.***
01/21 – 02/23	**Savannah River Crossing Improvement Study, GDOT, Atlanta, GA.** *Communications Lead.* Responsible developing media relations strategies, press releases, talking points, and FAQs and authoring the executive summary and significant portions of GDOT's Savannah River Crossing Feasibility Study. 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.
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. Served as a liaison between the project team and Renew Atlanta as well as provided ***strategic insight on media coverage*** before and after public meetings.
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. Wrote one of those grants and submitted both on time and under budget.
01/16 – 01/18	**Hartsfield-Jackson Atlanta International Airport (ATL), Atlanta, GA.** *Senior Public Relations Manager.* Responsible for creating and maintaining a positive image of the world's busiest airport by crafting speeches, presentations, and congressional testimony on behalf of the airport general manager as well as developing talking points for Atlanta's mayor during visits to ATL. Served as chief editor and auditor of atl.com, the airport's public-facing website. Directed all internal communications efforts, including managing and writing for the intranet. In a single year, increased number of published articles by 50 percent. ***Designed and launched a print version of the intranet, fulfilling critical need to reach employees who lacked computer access*** (e.g., Maintenance and Security). Created communications plan to raise participation in TSA's PreCheck. Efforts led, in part, to a 53 percent bump in PreCheck enrollment at ATL's sign-up centers.

Firm employed by. ARCADIS				Meets MPR No. 2
Name	**Jose L. Rodriguez, PE**		Years of relevant experience with this employer	3
Title	Senior Roadway Engineer		Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date			PE.0030492 / LA / Exp. 03/2027	
Year registered	2003	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Roadway Design, Construction Proposal Services**	

Experience dates	Experience and qualifications relevant to the proposed contract
	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. Worked in close relationship with the Louisiana Department of Transportation, City of New Orleans Department of Public Works, New Orleans Sewer and Water Board, Plaquemines Parish, Jefferson Parish, St. Bernard Parish, U.S. Army Corps of Engineers, New Orleans Regional Planning Commission. Experience includes a wide range of project applications including **Stage 0 feasibility and safety studies**, **safety design**, environmental assessments, and design projects. Extensive experience in Inroads, Autodesk Civil 3d, Leap Bridge for Concrete Bridge Design, and Excel Spread Sheets. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010. **Mr. Rodriguez meets Minimum Personnel Requirement Number 2.**
02/23 – 05/24	**Safety Studies IDIQ - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Lead Roadway Engineer*. 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. Mr Rodriguez was responsible for developing ***conceptual desing drawings***, ***ROW and utility impacts***, and ***cost estimates*** for propsoed alternatives. 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.
04/23 – 01/25	**Stage 0 Studies IDIQ – 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. 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	**Stage 0 Feasibility Study - 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, New Orleans, LA.** *Roadway Designer.* Responsible for the ***geometric design and roadway plan preparation*** for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow in traffic for the New Orleans Metro Area. It consisted of the development roadway and bridge ramps for the creation of an elevated signal-controlled interchange. The estimated construction cost for this project was approximately fifty-nine million dollars. Responsible for the ***development of all horizontal and vertical alignments*** for this project as well as roadway plan preparation, developing all ***roadway cross sections,*** drainage design, utility conflict resolution and ***cost estimating*** for the project. 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, Metairie, LA.** *Roadway Designer.* Responsible for ***roadway plan preparation*** for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project 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, Plaquemines, LA.** *Roadway Designer.* Responsible for the ***geometric design, plan preparation and wetland delineation*** of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines, DOTD and the U.S. Army Corps of Engineers.
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 1,583' main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.
10/17 – 03/18	**Traffic Turn Lanes on Highway LA 3127, Yuhuang Chemical Inc., St. James, LA.** *Quality Control (QC).* Review for the ***design of two turn lanes*** into the Yuhuang Chemical Methanol plant in St. James Louisiana. 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, City of New Orleans, 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, Metairie, 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 accesses, ***improve safety and ease congestion at this heavily travel 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.

Firm employed by. NEEL-SCHAFFER			
Name	**Dishili Young Curry, PE, PTOE**	Years of relevant experience with this employer	7
Title	Senior Roadway Engineer	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 2002 / Civil Engineering MS / 2018 / Civil Engineering	
Active registration number / state / expiration date		PE. 33723 / LA / Exp. 09/30/2026	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Curry offers over 20 years of progressive experience which includes program management, engineering management, project management and engineering design. Her experience includes the management and design of interstate design–build projects, interstate design–bid–build projects, including roundabout interchanges, road design projects, including multilane roundabouts, drainage projects, H&H Studies, environmental studies and feasibility studies. Her Continuing Education is documented as follows. Transportation Safety Systems (Highway Safety Manual Graduate Course), Auburn University, 2016. ATSSA Traffic Control Supervisor Training Course, Baton Rouge, 2015; ATSSA Traffic Control Technician Training Course, Baton Rouge, 2015. FHWA Highway Safety Manual Workshop, Baton Rouge, 2014; Roadside Safety Design by the Federal Highway Administration and National Highway Institute, LTRC, 2010; Urban Street Design, University of Wisconsin, Madison,; Open Channel Design, University of Wisconsin, Madison; Comprehensive Culvert Design, University of Wisconsin; Maintaining Asphalt Pavements, University of Wisconsin; Using HEC–RAS to compute water surface profiles for floodplains, bridge and culvert hydraulics, University of Wisconsin.
06/14 – 12/16	**Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44), Ascension Parish, LA.** *Project Manager.* Assisted in completion of ***conceptual horizontal alignments*** for approximately 20 interchanges during the Tier 1 interchange analysis. Interchanges included DDI, Roundabouts, partial and full cloverleaf's, SPUI, directional interchanges and diamond interchanges. Interchanges were evaluated utilizing a matrix comparison of ROW, Cost, Traffic Operations, Environmental and Social impacts. Also assisted with design criteria, cost estimates and the Checklist for Short term and long term improvements. Also assisted with the geometric layout (horizontal and vertical alignments) for the three recommended interchanges for Tier 2 which include the DDI, double roundabout and conventional diamond interchange. Assisted with the Stage 0 report, interchange Tier 1 analysis report and public outreach activities (including 15 stakeholder meetings and 2 public meetings) which were completed in accordance with NEPA.
04/19 – 04/24	**IDIQ Contract for Design of Safety Projects, Statewide, LA.** *Project Manager.* Served as Project Manager for this contract which included ***13 low–cost safety improvement projects.*** These projects provided new bike and pedestrian facilities, improved existing bike and pedestrian facilities, provided signal improvements for pedestrians, striping and signage and more. Services completed included ***Stage 0 Feasibility Studies, Traffic Studies, Design of Low–Cost Safety Improvements, construction support,*** conceptual and schematic design, stakeholder meetings, preliminary plans design, and cost estimating.
03/19 – 03/24	**IDIQ Contract for Stage 0 Studies, Statewide, LA.** *Project Manager.* This contract included conducting ***Six Stage 0 Feasibility Studies*** in multiple locations throughout Louisiana. Projects included existing conditions analysis, conceptual and schematic

	design, stakeholder and public meetings, cost estimates, and improvements to increase both ***vehicular and pedestrian safety*****.** The outcomes include reductions in crashes and fatalities and improved connectivity.
04/23 – Ongoing	**Jimmie Davis Design Build, LADOTD, LA** *Task Lead.* This project will construct a new 4–lane bridge over the Red River, convert LA 511 from a five–lane roadway to a 4–lane median divided roadway with turn lanes, and construct ***full–access interchange connections*** with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway. Assisted with design–related tasks. Managed the roadway drainage design, and managed the scour analysis, attends team technical meetings and meetings with DOTD. Provided QA/QC. Also assisted with the proposal preparation, attended one–on–one meetings, and assisted with the technical writing for the proposal.
01/20 – Ongoing	**I–20 LA 544 Overpass Replacement, LADOTD, LA.** *Managing the preliminary and final design services for this project.* This project will replace the LA 544 Overpass diamond interchange with a ***diamond roundabout interchange*****.** The project includes a new bridge over I–20 with sidewalks and four multilane roundabouts within a roundabout interchange with two roundabouts on a 3% longitudinal grade & partially on bridge. Includes a level 2 TMP.
09/18 – 12/18	**I–20 at 220 Interchange Improvement & BAFB Design–Build Project, LA.** Included preliminary plan development for completing the existing partial interchange by adding a new flyover ramp, cloverleaf ramp, modifying existing ramps, and providing a new arterial roadway with a ***new bridge over the Kansas City Southern railroad*****.**
08/17 – Ongoing	**Mandeville Bypass, Mandeville, LA.** This project will provide a new 3 Mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I–12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Managing the ***roadway design services*****.** Includes multiple multilane roundabouts.
08/17 – 03/19	**Juban Road Widening, LA.** *Engineer of Record.* Managed the completion of the ***roadway and drainage design services*** for this project which will widen LA 1026 (Juban Rd.), construct three multilane roundabouts and two new frontage access roadways, with storm drainage sewer systems
12/22 – Ongoing	**LA 89 @ Guillot Rd Improvements, LA.** *Project Manager* for this project which will construct a new roundabout at the intersection. Includes roadway drainage design, preliminary and final roadway plans.
08/17 – 03/20	**LA 73 Turn Lanes, LA.** This project will construct turn lanes at multiple locations along LA 73 in Ascension Parish. The ***roadway and drainage design*** were completed in accordance with LADOTD guidelines.
09/22 – Ongoing	**E. Milton Ave Improvements, Lafayette Parish, LA.** *Roadway and Drainage Design*.This project will ***widen an existing Roundabout*** at E. Milton Ave./Chemin Metairie Rd intersection from single lane to multi–lane and widen and overlay E. Milton Ave. and Chemin Metairie Rd. in Youngsville, LA.
08/22 – Ongoing	**LA 89 at Chemin Metairie Parkway, Youngsville, LA.** This project provides ***new two–lane connector roadway*** with drainage between Chemin Metairie Parkway & LA 89. Includes multilane roundabouts in final design stage.

Firm employed by. NEEL-SCHAFFER			
Name	**Justin Wood, PE, DBIA**	Years of relevant experience with this employer	16
Title	Senior Railroad and Structural Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		PE. 35131 / GA / Exp. 12/31/2026	
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Railroad Crossing Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Wood joined Neel-Schaffer in 2009 and has over 20 years of experience in bridge design, bridge inspection, and bridge construction monitoring. In 2025, he was promoted to Vice President and Engineering Manager for the firm's Georgia Operations. In this role, Justin focuses on operations and business development across Georgia. Prior to assuming his new management role, Justin served as the Structures Lead and Lead Railroad Engineer for the Atlanta office. He has experience designing a vast spectrum of different styles of bridges including pedestrian, precast standard superstructures, typical AASHTO, Bulb-Tee, and Florida I-Beam reinforced beams, and continuous curved plate girders.
01/19 – 03/21	**Pio Nono Avenue and College Street Bridge Replacements over Norfolk Southern Railway, Macon, GA.** *Bridge Design Lead and Bridge EOR.* This Georgia Department of Transportation design-build (DB) contract is the design and construction of the ***replacement of two bridges over the Norfolk Southern Railway*** to increase the vertical clearance over the railway so that NS can use double stack freight cars. Bridge design lead and bridge EOR for the project. The Pio Nono Ave. site consisted of replacing the existing box beam superstructure with a shallower cored slab superstructure. Existing concrete pile-bent substructure elements were maintained with buildups to the bent caps required to match the new roadway profile. The College St. site consisted of replacing the existing historic arch structure with a new shorter single-span bridge consisting of Type II PSC Beams. The design team utilized a unique hybrid bridge/wall approach where the end bent piles also function as the soldier/tie-back piles for the retaining walls under the bridge. The GDOT required cast-in-place concrete facing was also used to serve as a crashwall due to proximity to a future railroad track. Responsible for all aspects of the bridge design on both sites and oversaw the design of the walls with the Neel-Schaffer and geotechnical team.
2009 – Ongoing	**Norfolk Southern General Services Contract – Public Improvements Department.** *Project Manager* for the Neel-Schaffer ***General Services Contract for Norfolk Southern Railroad***. Provided Preliminary Engineering and Construction Engineering Services for roadway and bridge projects on, over, and adjacent to Norfolk Southern's right-of-way. Responsible for managing Neel-Schaffer's team of engineers and on-site construction observers. He has performed Reviews of numerous GDOT overhead roadway bridge plans and has a unique knowledge of the design and construction expectations for bridge plans on different ***Class 1 Railroad right-of-way, including Norfolk Southern and CSX.***

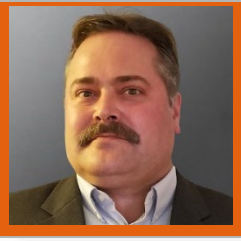
06/22 – 11/25	**GDOT SR 85 Over CSX Railroad Bridge Replacement, Meriwether County, GA.** *Bridge Coordination.* Provided bridge coordination for this project. Neel-Schaffer is the lead designer for the ***replacement of the existing 394' long SR 85 bridge over CSX Railroad.*** A Norfolk Southern owned corridor passes beneath this bridge as well requiring coordination with two Class-I Railroads. The bridge design is being performed by GDOT in-house. CSX is requiring the proposed structure to clear-span their right-of-way, leading to an increased span length and superstructure depth compared to the existing bridge. A challenge for Neel-Schaffer's roadway designers are ***optimizing the vertical profile*** to meet these requirements and not impact the nearby signalized SR 85 and SR 109/Woodbury Rd intersection. Pedestrian accommodations are being added along SR 85 for the length of the project.
06/21 – 11/25	**SR21Bu/SR73 Bridge over Ogeechee Railroad Company, Screven County, GDOT District 5.** *Deputy Project Manager.* This project is an urban bridge replacement over GDOT owned railroad, in Sylvania. Currently within the concept phase, coordinated with the bridge PM, GDOT in-house structural design, internal roadway design, and environmental and geotechnical subconsultants environmental to draft the ***Concept Report.***
06/23 –11/25	**Scout Motors Railroad Bridge over I-77, SCDOT, Richland County, SC.** *Bridge Design Lead* for a ***587' railroad bridge with Top of Rail 45' above I-77*****.** Bridge utilized precast concrete deck panels and steel plate girders. This bridge was originally included in a SCDOT design-build project to build an interchange to serve a new electric vehicle plant in South Carolina. ***Norfolk Southern*** will service the plant and requested that the ***railroad bridge be completed on an expedited schedule*** so that it could be in place to facilitate the construction of the industry tracks at the facility. SCDOT decided to design and let the railroad bridge separately as a stand-alone design bid build project with contractor incentives for the completion date. With SCDOT as the project sponsor, Norfolk Southern as the railroad operator, and Palmetto Railways as the final owner of the completed bridge, heavy coordination was required to satisfy all stakeholders, and their consultant reviewers, to deliver the ***final construction plans*** per the expedited schedule.
09/21 – 05/23	**Assembly Street Project, Columbia, SC, Norfolk Southern Corporation.** ***Consultant Lead for Norfolk Southern's Public Improvements Department*** for this project which involves the consolidation of Norfolk Southern's SC-Line and CSX's AKA-Line west of Andrews Yard in downtown Columbia, SC. Neel-Schaffer assisted Norfolk Southern in ***evaluating and commenting on the multiple alternatives*** proposed for the consolidation of these lines. The approved alternative affects ***eight at-grade crossings***, the construction of new pedestrian overhead crossings, widening of existing and construction of new adjacent underpass structures at two locations, and the construction of a new underpass at Assembly Street which that will include two adjacent single span steel truss structures at approximately 300' in length. Construction staging, maintaining railroad operations, and vehicle and pedestrian maintenance of traffic were critical issues in evaluating all concepts. The project is currently awaiting start of preliminary design.
03/11 – 01/13	**TBT Facility Track, Norfolk Southern Corporation, Chattanooga, TN.** ***Project Engineer*** for Design of 4,650 feet of ***Class 1 Railroad track*** and an Ethanol Bulk Transfer Facility. Services included topographic survey, environmental survey, preliminary and final plans, drainage design, erosion control plans and permit applications.

Firm employed by. NEEL-SCHAFFER			
Name	**Brian Adams, PE, SE, CBI**	Years of relevant experience with this employer	1+
Title	Senior Railroad and Structural Engineer	Years of relevant experience with other employer(s)	22
Degree(s) / Years / Specialization		BS / 2001/ Agricultural Engineering	
Active registration number / state / expiration date		PE. 48729 / LA / Exp. 09/30/2026	
Year registered	2024	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Railroad Crossing Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Adams brought 21 years of impressive bridge design experience and a deep familiarity of the structural practices and approaches used by multiple Departments of Transportation throughout the Southeast. Brian has completed a series of notable bridge design and bridge construction QA/QC projects for various transportation departments. He has contributed to bridge and roadway projects for the Georgia DOT, the Florida DOT, the Alabama DOT, and numerous municipalities and counties. Additionally, he played a pivotal role in projects at many major international airports, including Atlanta, Orlando, Tampa, and Ft Lauderdale. One of the early highlights of Brian's career was his work on the Design-Build project of the famed 5th Runway bridge at the Hartsfield-Jackson Atlanta International Airport. The 9,000-foot runway features a bridge spanning 10 lanes of Interstate 285. He managed and served as Lead Designer for the airport's SkyTrain and various related buildings and managed and served as Engineer of Record for Design-Build projects for the Automated People Movers at both Orlando International Airport and Tampa International Airport. In addition to holding Professional Engineer registrations in Georgia and 12 other states, Brian is a Registered Professional Structural Engineer in Georgia and Utah. He is also a Certified Bridge Inspector.
01/20 – 01/23	**GDOT SR 81 over Dried Indian Creek, Newton County, GA.** *Project Manager.* As part of a bridge bundle contract, this project provides ***concept, preliminary, and final engineering design*** for a bridge replacement. The project replaced an existing single-span concrete arch bridge built in 1914 with a single-span, prestressed concrete bridge on concrete abutments on the existing alignment. The bridge incorporates post tensioned arch fascia girders to mimic the existing arch. Context Sensitive Design ensured mitigation of impacts to the downtown Covington Historic District. Monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones are met.
01/20 – 01/23	**GDOT SR 212 over Lake Jackson, Newton and Jasper Counties, GA.** *Project Manager.* As part of a bridge bundle contract, this project provides ***concept, preliminary, and final engineering design*** for a bridge replacement. The project replaced an existing five-span steel bridge built in 1964 with a five-span, prestressed concrete bridge on concrete intermediate bents on an offset alignment. The bridge crosses a recreational lake and is adjacent to multiple residences. Early coordination with Georgia Power and public involvement were critical in successful delivery of this project. Monitored scope, schedule, and budget; managed a team of in-house designers and specialty subconsultants; and ensured all milestones were met.

06/16 – 04/17	**GDOT FY16 Design-Build Bridge Replacements Batch 3, Statewide, GA.** *Lead Bridge Engineer* for project that provided design and construction for the replacement of six bridges at various locations in Georgia. The scope of services included roadway and bridge design, hydraulic and hydrological studies, bridge foundation studies, bridge removal and replacement, utility coordination and relocation, drainage, retaining walls, erosion control and environmental permitting. Each site presented its own set of ***unique challenges, from limited right of way, horizontal/vertical alignments, environmentally sensitive areas, utility conflicts, work zone access, adjacent property owners, and protected species*****.** Responsible for bridge design. Led the design team to overcome the unique site challenges by developing innovative solutions such as beam sizes/spacing, bent locations, modifying the horizontal/vertical alignments, avoiding utility conflicts, crane placement, and using innovative construction methods. Coordinated with the roadway team for bridge geometry verification, ensured that the bridge design was properly integrated with the bridge hydraulic analysis, and coordinated with the geotechnical engineering team for development of all foundation solutions. Provided technical direction and oversight, and he took responsibility for completion of the design and production of the drawings. Ensured quality control efforts were maintained in accordance with the QA Plan. Verified the design for constructability, including consideration of anticipated staged construction under traffic.
06/20 – 04/23	**FDOT District 4 SR 9 (I-95) Express Lanes Phase 3C Design-Build, Bridge 26 Pier 9 Straddle Bent Retrofit, District 4, Broward County, FL.** *Engineer of Record* for this bridge as part of Phase 3C of FDOT's overall Phase 3 implementation of express lanes along the I-95 corridor within Broward and Palm Beach Counties. '95 Express' is a limited access express lane facility that runs adjacent to the I-95 general use lanes. The construction limits extend for a total distance of approximately 9 miles along I-95. The project includes ***two miles of improvements along I-595; direct connections between northbound and southbound 95 Express Lanes and I-595 to and from the west; and the painting of 17 existing steel bridges within the I-95/SR 84 and I-95/I-595 Interchanges*****.** The interchange with I-595 contains Bridge 26, for which H&L was selected to design the straddle bent retrofit for Pier 9. Bridge 26 is a long, horizontally curved, Category 2 steel box girder bridge, and Pier 9 must be replaced due to the future ramp configuration of I-595 EB. As EOR, was in charge of all aspects of designing the post-tensioned, integral straddle bent at Pier 9. He reviewed all design plans, made final design decisions, and ensured all milestones were met.
01/02 – 05/04	**5th Runway/Taxiway Design-Build, Hartsfield-Jackson Atlanta (GA) International Airport.** *Assistant Project Manager and Lead Bridge Engineer.* This project provided ***conceptual, preliminary, and final design*** of structural elements of two bridges and retaining walls for this project to provide an additional 9,000-foot runway at Atlanta's airport. One of the two new bridges carries the new 5th Runway and the other carries Taxiway "U" over 10 lanes of existing Interstate 285. The parallel taxiway bridge is comprised of 764 specially designed, prestressed concrete beams carrying aircraft loads of over 1.3 million pounds. This bridge also contained post-tensioned diaphragms and edge beams to help distribute the high concentrated wheel loads. Led the bridge design team. Provided technical direction and oversight, coordinated with subconsultants, ensured all deadlines were met, and assisted with quality control goals. Responsible for completion of the design and production of the drawings, as well as shop drawing review and approval. Technical tasks included a grillage analysis of the cast-in-place deck to determine distribution of the highly concentrated aircraft wheel loads. Performed 3D finite element analysis of the post-tensioned diaphragms and edge beams as well as the intermediate wall bents.

Firm employed by. ARCADIS				Meets MPR No. 5
Name	**Eric Bullerman, PE**		Years of relevant experience with this employer	8
Title	Principal Railroad Design Engineer		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BS / 1999/ Civil Engineering, University of Illinois		
Active registration number / state / expiration date		PE.0049597 / LA / 03/31/2027		
Year registered	2024	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		**Railroad Track Design**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Bullerman has worked on projects with all Class I railroads, many industrial clients, and is considered a leader in the field of railway engineering. He has designed construction projects valued as much as $145 million, designed conceptual projects valued as much as $4 billion, and managed construction services for projects as much as $50 million with quality, on time, and to the client's satisfaction. He also trains staff on technical and application matters to improve team delivery across the market. Eric uses the AREMA manual and Railroad standards/specifications to design the track alignments, profiles, grading hydraulics and other aspects of railway engineering, and coordinates with other Arcadis Civil and Structural teams regularly.
03/23 – Ongoing	**St. Thomas Industrial Park Rail Spur and Yard, City of St. Thomas, Ontario, Canada.** *Principal Rail Lead Engineer* and *Professional of Record* to ***design a new rail spur*** from CN Railway mainline track, including rail structures and at-grade crossings, to CN Hazmat specifications, including a yard for receiving, departure, and storage of railcars being used for industrial use throughout a new commercial park. Coordinated effort with IBI-Arcadis on civil site work.
01/22 – 10/24	**CN-CP Rail Interconnect, Valero, Charles City, IA.** *Project Manager, Senior Rail Engineer, and Professional of Record* to update a track connection through a 2007 easement to allow the client flexibility in rail service. ***The design included track, civil, utilities, ROW, and property, DTMF switching, and a new public at-grade crossing,*** with CN, CPKC, and IADOT standards. This work was approved to proceed by the railroads and started construction December 2022 and put in service October 2024.
10/21 – Ongoing	**Maryland Ave. Bypass Culvert and Ellicott City North Tunnel, Howard County (Kinetic Concepts, Inc. [KCI]), Ellicott City, MD.** *Senior Rail Engineer and Rail Professional of Record* to ***design a series of shoofly alignments with CSX mainline track to accommodate staging of construction*** for these two massive drainage structures to be built underneath the track. The alignments minimized additional work for shoring on one side along the Patapsco River, and rock cut on the other. Without these new drainage structures, Ellicott City is prone to heavy flooding through its downtown district. Contracts with the County were through KCI and McCormick Taylor.
09/20 – Ongoing	**Orange Rd Railroad Grade Separation, Gannett Fleming, Delaware County, OH.** *Subconsultant Project Manager* to handle all ***track design for preliminary through final documents.*** The project team utilized OpenRail to review two potential sets of track alignments to allow for construction of new rail bridges and final grade separation. Two Norfolk Southern and one CSX tracks are involved in this project covering almost one mile between construction limits, with NS, CSX and ODOT standards applicable. 100% Plans to be completed in 2026.

02/24	**LINK US Phase A VE Study. LA Metro, Los Angeles, MA.** *Senior Rail Engineer* r***esponsible for identifying lower risk means, methods, and alternate solutions*** for connecting the south end of LA Union Station creating through track movements for LA Metro, Metrolink, Amtrak and California High Speed Rail (CAHSR). Track and signal staging, structural piers, HWY 101 infrastructure, and mechanical components were re- engineered as possible options in a one-week study.
09/19 – Ongoing	**Hurontario Light Rail, Mobilinx, Brampton-Mississauga, Ontario, Canada.** *Senior Rail Engineer* and *Rail Professional of Record* to ***review rail design specifications, construction submittals, Requests for Information (RFIs) with future rail material inspection and construction installation reviews as part of standard protocols.*** This 18 km line primary through the center of Hurontario Street, a local highway, with more than 30 interscetions, is in construction scheduled to be in service in 2026.
08/20 – 11/20	**Diridon Station, Multiple Rail Clients, San Jose, CA.** *Senior Rail Engineer* to ***design preliminary light car track alignments*** for Valley Transportation Authority, verify freight and electrified passenger tracks alignments into a new Intermodal Station located above the existing Diridon platforms, and ***coordinate staging efforts with the structural design.*** Phase I documents and design started in 2018, with joining the team in 2020 to handle the scope listed. Phase II design for VTA is set to start in 2026.
02/21 – 01/23	**Construction Contract Package 2-3, California High Speed Rail, Central Valley, CA.** *Project Engineer* to review and coordinate staff for review of new Engineering Contract Change Order Proposals, evaluate manhours and scope of changes versus contract, and provide feedback for final negotiation. Changes reviewed included Track, Civil, Structural, and Geotechnical tasks.
01/20 – 11/20	**Intermodal Container Transfer Facility, Palmetto Rail, Charleston, SC.** *Professional Engineer* on Construction Management staff to review, approve, sign and seal Contractor RFIs and Submittals for the new facility's North Lead track.
01/15 – 12/15	**East Receiving Yard Realignment, Belt Railway of Chicago (BRC), Bedford Park, IL.** *Rail Design Engineer* for two track projects taken to 30% design. The East Receiving Yard is to have its 23 tracks respaced so that there is improved safety for yard personnel, with the leads and approaches reconfigured so that the BRC gains an additional Clearing Yard hump approach track. The West Receiving Yard Lead was also developed to greatly reduce the number of derailments into six storage tracks.
03/18 – 12/19	**Upper Processing Facility, Confidential Client, Newark, NJ.** *Project Engineer* to l***ay out a new track spur, loading track, and ample storage for processing 4,400 tons of filter cake daily***. The loading apparatus will consist of a hopper, scale, and loading arm and will load gondolas remotely shoved through by a railcar mover.
01/19 – 03/20	**Project Smart Boxcar, Canadian National (CN), Chicago, IL.** *Project Manager* for scheduling staff on a new technological development by CN for new Boxcars t***hat will handle track geometry, record rail and tie deficiencies, record real time video and Lidar with GPS coordinates, and other confidential technologies.***

Firm employed by. ARCADIS			
Name	**William Jansen, PE, LEED AP BD+C, ENV SP**	Years of relevant experience with this employer	4
Title	Principal Railroad Design Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		MS / 2004 / Civil Engineering, Iowa State University BS / 2002 / Civil Engineering, Iowa State University	
Active registration number / state / expiration date		PE.E-12773 / NE / Exp No. 12/31/2027 ***Application for comity is in progress for Louisiana PE license.***	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Railroad Track Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Jansen is a highly experienced Civil Engineer with over 20 years of expertise, **predominantly within the rail industry**. His extensive background involves projects of **various scales for Class I railroads, regional and short-line railroads**, industrial clients, and public-sector agencies. Proficient in all stages of design from concept to construction, he has contributed to main line capacity enhancements, yard and facilities projects, as well as public initiatives such as **grade crossings and separations**. Mr. Jansen excels in collaborating with agencies to facilitate successful project outcomes in coordination **with railroad stakeholders.** His profound comprehension of railroad processes enables him to navigate project approvals, design, and construction effectively. With a track record of delivering projects across urban, suburban, and rural landscapes, including those with significant right-of-way and corridor limitations, **Mr. Jansen's membership in AREMA and active involvement in Committee 14 – Yards & Terminals underscores his commitment to advancing the industry.**
03/22 – 10/24	**CN-CP Rail Interconnect, Valero, Charles City, IA.** *Quality Control* and *Railroad Coordination* responsible for oversight and quality control of a 2,000-foot-long crossover between Canadian National and CPKC main lines in Charles City. The project ***included a new at-grade crossing of a local roadway that necessitated close coordination with the city, multiple utilities, and the railroads to facilitate successful completion.*** Arcadis also served as the general contractor for this project.
08/23 – Ongoing	**Flood Protection System, USACE, Port Arthur, TX.** *Railroad Design* and *Coordination* for flood gates at ***two CPKC track locations*** intersecting with a proposed flood protection system***, including a triple-track area at the end of a rail yard and a section with an existing at-grade roadway crossing providing truck access*** to the port.
07/23 – Ongoing	**Russell Street Improvements, City of Fayetteville, NC.** *Rail Task Manager* for a project widening two roadway bridges with a railroad bridge between them. The project ***includes extensive coordination*** with CSX Transportation, who owns the railroad in the median between the eastbound and westbound lanes of Russell Street to determine how to phase construction of the lengthened roadway and railroad bridges over the creek in a corridor with significant right- of-way constraints.
11/24 – Ongoing	**Oasis Trail, Great Parks, Cincinnati, OH.** *Railroad Coordination* for a project to ***install a mixed-use trail*** along a lightly-utilized railroad corridor east of downtown Cincinnati. The project will install the trail on the track bed of an out-of-service second track along the Indiana & Ohio Railway Oasis Branch with a fence providing separation from the remaining active track.
08/22 – Ongoing	**Rail Car Manufacturing Facility, Siemens Mobility, Lexington, NC.** *Owner's Design Manager* for new manufacturing facility for passenger rail cars with the potential to expand to other product lines including locomotives and light-rail vehicles. Effort included assitance with site selection and conceptual facility layout before transitioning to ***oversight of design firm and contractor-led design efforts***. The facility consists of approximately 500,000 SF of area spread among 12 manufacturing and

	servicing areas in eight buildings on a 200-acre site. The facility is rail-served and with a connection to the North Carolina Railroad ***and a seven-track railyard*** for receiving materials and staging outbound shipments of completed passenger cars.
11/20 – 03/22	**Louisiana Capacity Improvements, Union Pacific Railroad, Basile, Lawtell, & Reeves, LA.** *Quality Control* for three siding ***extension projects on the Union Pacific corridor between Houston and Baton Rouge***. Projects extended existing sidings to a minimum length of 10,000 feet and included at-grade crossing modifications and coordination with local municipalities.
11/24 – Ongoing	**Major Projects On-Call, Georgia Department of Transportation, Statewide, GA.** *Railroad Subject Matter Expert* for on-call contract supporting major projects statewide in Georgia. ***Providing review and recommendations from railroad perspective for projects that directly or indirectly impact rail corridors within the state.***
06/25 – 07/25	**I-24 Review, Tennessee Department of Transportation, Chattanooga, TN.** *Railroad Subject Matter Expert* for ***review of preliminary design*** for widening of I-24 through Chattanooga for potential railroad impacts and concernts.
03/11 – 02/13	**Terminal Expansion, US Development, St. James, LA.** *Track and Civil Design* for multiple phases of expansion to existing crude oil terminal to increase terminal capacity including final design of additional lead track from Union Pacific main line through expanded unloading rack and conceptual design for unit train loop facility capable of unloading 6 unit trains per day.
10/10 – 03/22	**Chicago to St. Louis High Speed Rail, Union Pacific, Multiple Locations, IL.** *Project Engineer and Quality Control* for various segments to improve capacity and increase track speed along the Chicago to St. Louis corridor for high-speed rail service implementation. Overall project ***included multiple segments including some in urban areas with limited right-of-way as well as crossing diagnostics and implementation of safety upgrades for multiple at-grade highway crossings along the route.***
11/11 – 04/17	**Council Bluffs Interstate System (CBIS) Railroad Consolidation, Iowa DOT, Council Bluffs, IA.** *Railroad Design Lead* for project to ***consolidate multiple railroad corridors within urban area including realignment of rail corridors for three separate railroads, removal of seven existing at-grade crossings, and construction of two new at-grade crossings,*** as well as coordination with multiple railroads, rail-served industries, and agencies.
10/13 – 11/18	**US-63 Railroad Shoofly, Iowa DOT, Waterloo, IA.** *Project Manager* for temporary railroad shoofly project to facilitate reconstruction of a highway-rail grade separation from railroad over to highway over, ***including review of proposed highway bridge, modifications to existing adjacent at-grade crossings, and construction phasing.***
10/10 – 12/18	**Chicago to Iowa City Passenger Rail, Iowa DOT, Chicago, IL to Iowa City, IA.** *Design Lead* for the grant application, conceptual design, and ***preliminary design of proposed improvements to railroad and highway-rail crossing infrastructure*** between Chicago and Iowa City to support proposed passenger rail service within the corridor.
10/11 – 12/13	**Chicago to Omaha Passenger Rail, Iowa DOT, Chicago, IL to Omaha, NE.** *Design Lead* for planning study to determine necessary improvements to implement regular passenger rail service between Chicago and Omaha. The study utilized a phased approach to service implementation, including increases in service frequency and train speeds over time, supported by phased implementation of capacity improvements and crossing safety upgrades along the proposed corridor.

Firm employed by. ARCADIS			
Name	**Victor Sanchez, PE, MSCE**	Years of relevant experience with this employer	2.5
Title	Principal Structural Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		MS / Civil Engineering-Structures BS / Civil Engineering with a major in Structures	
Active registration number / state / expiration date		PE.0033976 / LA / Exp. 09/30/2026	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Structural Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Sanchez is the Lead Structural Engineer for the Arcadis' Louisiana Operations. Victor is highly skilled with the design and detailing of structures using AASHTO-LRFD, the Louisiana Department of Transportation Bridge Design Manual, and software applications such as OpenBridge for the modeling and planning of bridges. Project applications include Stage 0 Feasibility Studies 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, which combined with his knowledge of the LADOTD policies, standards, and manuals make him an ideal team builder to perform at its highest level of potential.
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-spans 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 caps supported on columns which are supported on drilled shafts and spread footings on drilled shafts. Conduced ***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 ***Louisiana Department of Transportation 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 84ft 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 environmental section of the LADOTD in completing the environmental clearance for the project. In addition, I 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-and-build), Mecklenburg County, North Carolina (WSP, 2019).** *Led structural design and project management 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 125ft and 132 ft, 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 165ft. The substructure includes stub abutments on steel piles and multi-column bents on spread footings. Managed ***structural design***, ***coordination***, and local staff to ensure ***budget control*** and timely delivery to NCDOT.
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 moveable 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 ***Environmental Checklist***.
06/14 – 07/15	**I-10 Over Julia Street, Girder Rehabilitation Project, LADOTD, New Orleans, LA.** *Bridge Design Engineer / Engineer of Record*. This project was initiated to correct a partial failure of the connecting plates that attach the girders to the straddle bents on one of the exit ramps to I-10 in New Orleans. The scope of work consisted of ***bridge design*** for the replacement of one existing steel cap beam in straddle bent number 25w and the replacement of all connecting plate elements on the adjacent steel cap 26w. Both substructures are located over the same exit ramp on the I-10 in New Orleans. ***Analysis and rehabilitation design*** focused on a section of the ramp that included the damaged straddled bent and connection plates; this section is three-spans continuous structure (74'-132'-132') with steel plate girders as superstructure members that frame into a straddled bent (bent number 25) and a steel cap beam (bent number 26) which are the intermediate substructure elements, similarly to the rest of the ramp, these steel caps are supported on concrete columns. Coordinated the preparation of contract documents, including ***plans***, calculations, and ***cost estimates***, and provided QC/QA to work prepared by others in the team. Also, during the construction phase of the project, provided construction support reviewing and approving shop drawings and calculations submitted by the contractor.
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 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 or project delivery per Louisiana Department of Transportation policies.
11/19 – 11/20	**Load Rating Project, South Carolina Department of Transportation, SC.** *Load Rating Quality Control Engineer (QC Engineer)* for WSP which owned this project as part of a contract service for the South Carolina Department of Transportation. In this capacity, provided QC reviews to load rating deliverables for a variety of structures including prestressed concrete bridges, steel plate girder composite bridges, concrete box culverts, and concrete slab bridges. The project included approximately ***one thousand bridges scheduled for inspection and load rating***. Reviewed an average of 200 bridges during that year.

Firm employed by. ARCADIS			
Name	**Osama Shahawy, PE**	Years of relevant experience with this employer	4
Title	Principal Structural 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 Engineering
Contract role(s) / brief description of responsibilities		**Structural Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Shahawy has more than 34 years of structural bridge engineering experience working on variety of different projects throughout Louisiana and the Southeast includes transit, railroad, and major/ minor bridge design and structure review projects. He served as PM or TL on 100+ projects with extensive bridge plan, specification and estimate, rehabilitation and bridge replacement. His experience includes 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 ensures constructible technical solutions and more complete construction documents. Leveraging his decades of experience, he will check accuracy, verify compliance to review comments, and will ensure that agency and stakeholder comments and concerns are addressed. Mr. Shahawy's experience in light rail transit includes direct fixation, ballasted, and paved aerial structures.
02/17 – 06/18	**DART Light Rail- Northwest Line Section, Dallas, Texas.** *Task manager and lead structural engineer* for the Northwest line section NW-3 of the DART light rail. The aerial structure is approximately 17,350 feet long, spanning various streets. Responsibilities ***include the planning and layout of the aerial structure***. Verify location and clearances of heavy rail and light rail tracks. Provide a value-engineering study to reduce construction costs. ***Design and detail two thru-girder bridges with 125 ft and 110 ft spans to carry northbound and southbound DART rail***. Coordinate utility conflicts, additional SUE investigations, and additional survey requirements. Design crash wall requirements, details, and schedule. Provide a review of the layout and details of the Vehicular Creek Bridges. Directing engineers and technicians, ***assist with quantity calculations and specification requirements***. Provide quality control and quality assurance. Prepare and review final plans.
02/17 – 06/18	**SH 6 Barron Road Interchange, Railroad Overpass, College Station, Texas.** Mr. Shahawy served as *project manager* for the Barron Road- railroad overpass bridge project. He's ***responsible for preparing plans, specifications, and estimates (PS&E)*** for Barron Rd. Interchange. Design and detail long prestressed concrete AASHTO girders span over the railroad to meet TxDOT and railroad clearance requirements. Design and detail drilled shaft wall to shore a historical 3-10 ft x 10 ft.-box culvert. E***valuate and load rate the box culvert for structural sufficiency under increased overburden loading. Preparing and reviewing plans; calculating quantities; and providing construction estimates*** in accordance with the Texas Department of Transportation (TxDOT) pay items.
04/12 – 05/13	**LA 1 over I-19 Bridge Rehabilitation, Rapides Parish, LA.** *Project Manager, Engineer of Record.* Provided professional inspection, rehabilitation design, and construction engineering services. The bridge is a 4 spans 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 directing team and over all task involves the

	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.
02/17 – 06/18	**Railroad Bridge Over IH820- Fort Worth, Texas:** Preliminary design and analysis for Railroad Steel through Bridge. The bridge has a 140 ft span and 24 ft spacing between the steel plate girders. The floor beam consists of 22 ft-long beams spaced at 5 ft, with a cast-in-place slab. Responsibilities: ***Analyzing and calculating the bridge loads according to the American Railway Engineering and Maintenance of Way Association (AREMA).*** Design and detail the required drainage system. Select and provide exceptional detailing for skewed bent caps and girders' knee brackets. Quantity Calculation and design check. Prepare and review final plans.
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 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. Responsibilities include replacing Nairn Dr. bridge over I-10 with a signature type bridge and preparing conceptual bridge plans required for the Right-of-Way Corridor. Responsibility includes ***design and detail of the Nairn Dr. Bridge*** according to design criteria and LADOTD BDEM. Participate in meetings and work with the CMAR Contractor and LADOTD to develop preferred bridge concepts at completion.
08/20 – 11/20	**Alphonse Forbes Bridge at Sandy Bayou Replacement, City of Baton Rouge, East Baton Rouge Parish, LA / 18-Br-Pt-0017.** *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 QC design analysis and final bridge structure plans*** for a 5 concrete slab span bridge. Provided review comments for final plans and estimated quantities according to LADOTD guidelines.
07/11 – 05/13	**Mississippi River Bridge at Vicksburg, Mississippi, LA.** *Project Manager, Engineer of Record*. Responsible for the four-lane continuous main steel-truss through-deck bridge 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 over Calcasieu River - Lake Charles Bridge, LADOTD, Lake Charles, 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. The east and west approach spans of the bridge consist of two bridge systems: first, a longitudinal girder system supported on steel bents; second, a fracture-critical span system, consisting of a two-girder, floor beam, and stringer system. Responsible for ***review of the as-built and rehab project plans*** and indexing; developed inspection forms; ***supervised and reviewed the results from the 3D computer model***; model calibration; performed load rating based on the present condition, capacity and loading of the bridge; rated the gusset plate and connection systems following the Federal Highway Administration (FHWA)-IF-09-014; performed QA/QC and assisted in developing the final report.

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

Experience dates	Experience and qualifications relevant to the proposed contract
	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. As PM on the ongoing LADOTD IDIQ for Hydraulics Section Support, Colin is deeply familiar with **LADOTD's Hydraulics Manual** and any recent amendments.
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.
09/21 – 04/25	**Calton Road Overpass (Webb County, TX).** *Project Manager* and *Drainage Lead* for the Calton Road Overpass project located in the City of Laredo Texas to ***construct a railroad overpass over 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.
01/18 – 08/21	**SR 38 over Satilla River Bridge Replacement, GDOT, Ware and Pierce Counties, GA.** *H&H QA/QC*. The project replaced the existing mainline and overflow bridges which lie in series with one another over the Satilla River floodplain. The proposed mainline bridge was a 755 feet long 14 span bridge and the proposed overflow bridge was a 500 feet long 10 span bridge. The CSX Railroad runs parallel to SR 38 and Arcadis had to account for the ***existing downstream CSX Railroad bridges*** in the hydraulic model. FEMA has established a floodplain for the project site, designated on the FIRM as Zone AE with a regulatory floodway. Responsible for the hydrologic calculations, FEMA and GDOT HEC-RAS hydraulic modeling, scour calculations, abutment riprap calculations, deck drainage calculations, and report preparation.

08/24 – 10/25	**SR 42 at Norfolk Southern Bridge Replacement Design-Build, GDOT, Henry County, GA**. *H&H QA/QC.* Arcadis completed the Costing Plans for this project. The project will replace the existing aging structure (originally built in 1938 and widened in 1979) and the proposed bridge will be long enough to accommodate two future tracks to the east of the existing rail. ***Railroad coordination was a major component of the project*** to ensure the project design meets all railroad requirements. Responsible for the drainage and MS4 design.
06/19 – Ongoing	**South Rome Bypass**, **GDOT, Floyd County, GA.** *H&H QA/QC.* The project includes approximately 3.3 miles of new location roadway (rural four-lane divided by a 44 foot grassed median), two H&H bridge culvert crossings, and proposed parallel ***bridges over Norfolk Southern Railroad*** and Silver Creek which run parallel to each other. Arcadis is ***coordinating with Norfolk Southern Railroad*** to meet their drainage and bridge clearance requirements.
02/22 – 04/25	**I-10 Calcasieu River Bridge P3 (Calcasieu Parish, LA).** *Drainage Lead* Segment 1 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 and help GDOT provide 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 (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.
06/21 – 12/22	**TDOT I-65 Widening (Sumner & Robertson Counties, TN).** *Drainage Engineer* for Segment 2 of the I-65 widening project located in Sumner and Robertson Counties 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.***

Firm employed by: ARCADIS			
Name	**Amanda Check, PE**	Years of relevant experience with this employer	11
Title	Senior Hydraulics Engineer	Years of relevant experience with other employer(s)	6.5
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering	
Active registration number / state / expiration date		PE 45736 / LA / Exp. 09/2027; PE 37554 / GA / Exp. 12/2026; PE 76344 / FL / Exp. 02/2027; PE 044869 / NC / Exp. 12/2026; PE 121879 / TN / Exp. 09/2026; PE 35900 / SC / Exp. 06/2026; PE 136453 / TX / Exp. 09/2026; PE 32002 / MS / Exp. 12/2027; PE 0402056784 / VA / Exp. 09/2026; PE 50821 / AL / Exp. 12/2027 GA Level II Certified Design Professional ES&PC / Exp. 03/2026	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Hydraulic / Hydrological Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	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.
08/25 – Ongoing	**LADOTD IDIQ Contract for Hydraulics Section Support, Statewide, Louisiana.** *Senior H&H Engineer.* 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.
08/24 – 10/25	**SR 42 at Norfolk Southern Bridge Replacement Design-Build, GDOT, Henry County, GA.** *Senior Drainage Engineer.* Arcadis completed the Costing Plans for this project. The project will replace the existing aging structure (originally built in 1938 and widened in 1979) and the proposed bridge will be long enough to accommodate two future tracks to the east of the existing rail. ***Railroad coordination was a major component of the project*** to ensure the project design meets all railroad requirements. Responsible for the drainage and MS4 design.
06/19 – Ongoing	**South Rome Bypass, GDOT, Floyd County, GA.** *Senior Hydraulic/Drainage Engineer.* The project includes approximately 3.3 miles of new location roadway (rural four-lane divided by a 44 foot grassed median), two H&H bridge culvert crossings, and proposed parallel ***bridges over Norfolk Southern Railroad*** and Silver Creek which run parallel to each other. Arcadis is ***coordinating with Norfolk Southern Railroad*** to meet their drainage and bridge clearance requirements.

12/15 – 03/23	**FY 2016 - FY 2022 Bridge Design-Build Program, 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.***
01/18 – 08/21	**SR 38 over Satilla River Bridge Replacement, GDOT, Ware and Pierce Counties, GA.** *Hydraulic Engineer*. The project replaced the existing mainline and overflow bridges which lie in series with one another over the Satilla River floodplain. The proposed mainline bridge was a 755 feet long 14 span bridge and the proposed overflow bridge was a 500 feet long 10 span bridge. The CSX Railroad runs parallel to SR 38 and Arcadis had to account for the ***existing downstream CSX Railroad bridges*** in the hydraulic model. FEMA has established a floodplain for the project site, designated on the FIRM as Zone AE with a regulatory floodway. Responsible for the hydrologic calculations, FEMA and GDOT 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 located 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.
03/25 – Ongoing	**Blounts Creek Stream Enhancement, City of Fayetteville, NC.** *Senior Hydraulic Engineer.* The project proposes to regrade and restore a stream section to provide additional floodplain benching and storage and to install erosion mitigation measures. The project also includes replacing three roadway bridges and the ***immediate adjacent CSX Railroad bridge over Blounts Creek***. Blounts Creek is FEMA regulated (Zone AE with a designated floodway). Reviewed the HEC-RAS hydraulic model and responsible for the CLOMR package and associated coordination, in addition to railroad coordination and submittals.
02/21 – Ongoing	**I-285 at I-20 East Interchange Reconstruction, GDOT, DeKalb County, GA.** *Senior 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 packages, FEMA coordination, and community coordination with DeKalb County and the City of Stonecrest.

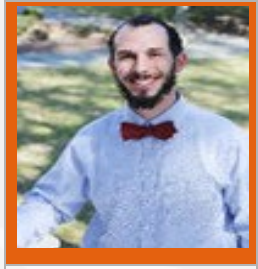
Firm employed by. CD&C INCORPORATED

Name	**Chris Ballard, PLS**	Years of relevant experience with this employer	9
Title	Survey Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering / Biological Science, Southern Louisiana State University	
Active registration number / state / expiration date		PLS. 5033 / LA / Exp. 09/2026	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities		**Survey**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Ballard serves as the Survey Manager for this project. He will work to oversee the project stays on schedule, aid in both crew coordination and office production, and provide final QC on the firm's deliverable to the Prime Consultant. Mr. Ballard has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning**.**
12/23 – 05/23	**LA 347 Drainage Improvements, LA.** *Survey Manager*. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to ***collect topographic data*** for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
02/23 – 12/23	**I-20 UPPR, North Louisiana, LA.** *Survey Manager*. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. ***Project was completed to LADOTD Location and Survey Standards and practices.***
09/18 – 01/20	**I-10 LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA.** *Survey Manager.* CD&C as a sub-consultant on this project is ***responsible for topographic surveying*** the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. ***This work included using 3D Scanning*** for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17 – 07/17	**LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA.** *Survey Manager* for this project which ***included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge*** for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19 – 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA.** *Survey Manager* for this project for East Feliciana Parish Police Jury. It includes the replacement of two bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.

01/17 – 12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA.** *Survey Manager.* In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Served as Survey Manager on each of these projects which ***included cross-sectioning and tracing the channel at each location***. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16 – 11/16	**LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA.** *Project Manager.* Among the duties performed for the project were ***review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal.*** CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 – 09/17	**District 62 Bridges, Livingston and Tangipahoa Parishes, LA.** *Survey Manager* for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 – 12/18	**I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA.** Served as the *Survey Project Manager* on this project which is a 6-lane widening of I-10. Duties performed on this project included the ***review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project.*** 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.

Firm employed by. CD&C INCORPORATED			
Name	**Madison Mills, PLS**	Years of relevant experience with this employer	4
Title	Survey Project Manager	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2016 / Civil Engineering	
Active registration number / state / expiration date		PLS. 5293 / LA / Exp. 03/2027	
Year registered	2022	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities		**Survey**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Mills has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&C working to manage field crews, process field crew data, and finalize deliverables.
12/24 – 04/25	**LA 317 - Wax Lake B., LADOTD, LA.** *Survey Project Manager*. The topographic data for this survey was collected through a combination of ***conventional ground survey*** and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.
10/24 – 01/25	**US 190 R Cuts @ LA741, LADOTD, LA.** *Survey Project Manager*. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. ***Project was completed to LADOTD Location and Survey Standards and practices.***
12/23 – 05/23	**LA 347 Drainage Improvements, LADOTD, LA.** *Survey Project Manager.* Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to ***collect topographic data for this roadway improvement project.*** Project was completed to LADOTD Location and Survey Standards and practices.
09/23 – 12/23	**LA 106, LADOTD, LA.** *Survey Project Manager*. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	**LA 685, LADOTD, LA.** *Survey Project Manager*. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and ***3D Scanning*** were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.
05/23 – 08/23	**LA 14 Business LADOTD, LA.** *Survey Project Manager.* Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to ***collect topographic data for this roadway improvement project.*** Project was completed to LADOTD Location and Survey Standards and practices.
02/23 – 12/23	**I-20 UPPR, North Louisiana, LADOTD, LA.** *Survey Project Manager.* Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. ***Project was completed to LADOTD Location and Survey Standards and practices.***

08/22 – 02/23	**Louisiana Watershed Initiative Region 5 – Task Order 3, LA.** *Survey Project Manager* this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, ***working with utilities***, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
01/22 – 11/22	**Louisiana Watershed Initiative Region 5 – Task Order 2, LA.** *Survey Project Manager* this Louisiana Watershed Initiative project. He has been responsible for managing crews, ***processing field data***, creating punch-lists, working with utilities, and complete the final deliverables to the client. CD&C is a sub-consultant on this project.
09/21 – 03/22	**Southern University Ravine Protection, East Baton Rouge Parish, LA.** *Survey Technician* for this project. CD&C as a sub-consultant on this project was responsible for topographic survey of the sites at Southern University. The topographic data for this project was collected both traditionally and utilizing 3D Scanning..
08/21 – 08/22	**St. Mary Street Sidewalks; Scott, LADOTD, LA.** *Survey Tech* for this project. CD&C completed a topographic along this route. The survey utilized 3D Terrestrial Scanning of all hard surfaces and traditional methods for all other features. CD&C SUE personnel worked to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal will be in accordance with latest LADOTD Location and Survey standards.

Firm employed by. ARCADIS			
Name	**Jan Hughes**	Years of relevant experience with this employer	2
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		**Environmental**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Jan brings **25 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. She has taken NHI Course No. 142055, NEPA and Transportation Decision Making. Jan has 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.
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***. Purpose of study was to ***develop and evaluate safety countermeasures to address pedestrian safety needs*** on 7 corridors within Caddo and Bossier Parish. Study data, methods, and results were documnted in a Stage 0 Feasibility Reports were completed 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 reevaluation of the FONSI.
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.
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, Environmental Impact Statement/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 a ROD.***
04/01 - 10/05	**I-49 South, Lafayette Regional Airport to LA 88, Route US 90, Environmental Impact Statement/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 a 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.***

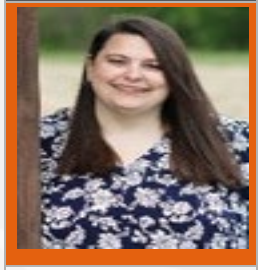
*Until retirement from LADOTD in February 2019.

Firm employed by. ARCADIS			
Name	**Hunter Guidry**	Years of relevant experience with this employer	1
Title	Principal Ecologist/Senior Permitting Specialist	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		Certified Wetland Delineation Training, 2014, Certified Natural Resource Professional, TWIC, and LA Dept. of Transportation and Development Specific Traffic Control Tech	
Year registered	N/A	Discipline	Wetland Science
Contract role(s) / brief description of responsibilities		**Environmental**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Guidry is currently a Principal Ecologist and Project Manager with Arcadis, and he has 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, Storm Water 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. A confident personable nature compliments a combination of expert scientific analytical reasoning, established technical ability, and demonstrated inter-personal skills that enables me to make an immediate beneficial impact on any project.
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 USFWS, LDEQ, NRCS, DOTD, and the LDWF as well as the local Parish agencies f***or 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 Bridge Improvements Project, LADOTD, Cameron Parish, LA.** *Permitting Specialist.* The I-10 Calcasieu Bridge Improvements Project is proposed to improve Interstate 10 (I-10) between the I-10/I-210 west and I-10/I-210 east interchanges in Calcasieu Parish, LA. The LADOTD has been working on this project since 2001, and Arcadis partnered with them and several other agencies/companies to help design and permit the bridge improvement project. Mr. Guidry was brought in to help expedite the Section 401 Water Quality Certification process with the LDEQ to complete the USACE Section 404 permitting process. Additional services will include ***support and coordination with the state and federal agencies during the 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- EBR Parish, LA.** *Permitting Specialist.* Arcadis was contracted by the City of Baton Rouge through a FEMA grant to evaluate the stormwater impacts of the Ward Creek drainage basin. We were tasked with the assessment and design several possible stormwater retention projects along the drainage basin to help slow down and control the stormwater flow during large rain events. Mr. Guidry helped Arcadis ***complete a desktop assessment of environmental resources and prepared a project impact evaluation and permitting matrix for project planning and development for stormwater design.*** He completed wetland determinations on two of the proposed project sites to determine the impacts from the project layout. Mr. Guidry ran multiple LRAM wetland assessments to determine the mitigation requirements for each of the project sites for funding requirements. Currently working on the permitting on the two sites and EA support for NEPA requirements.

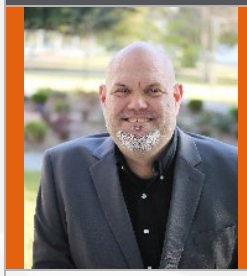
05/23 – 08/23	**LADOTD Connector Between West Airline HWY (US 61) and I-10 for Regional Planning Commission and LADOTD, and N-Y Associates, Inc., St, John the Baptist Parish, LA.** *Wetland Delineator.* ***Performed a wetland determination along a designated corridor chosen alternate alignment in swamp between roadways***. Performed field work and recorded data. Compiled data and authored a wetland delineation report and provided it to client. Participated in public meeting about project with partners and state agencies.
11/23 – 01/25	**Caad Kuujaamnix/Bayou Sale Living Shoreline Project, for Wayti Services, LLC (Chitimacha Tribal Enterprise) and NOAA NFWS, 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 for future creation of EA for NEPA compliance.
07/23 – 12/24	**Cypress Bayou Green Infrastructure Project at the BREC Greenwood Park, Duplantis Design Group and 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, storm water, and environmental conditions of the site.*** Coordinated with various firms on wetland and endangered species reviews and agency coordination. Performed a HUD checklist review based on EA document for federal grant funding of stormwater relief project. ***Worked with prime on all regulatory compliance issues for the NEPA compliance. Completed 404 final permit from USACE for project construction. Created and received final FONSI to begin construction.***
10/22 – 01/25	**Stennis Space Center in Handcock County, Mississippi, Handcock County, Mississippi under CEI.** *Permitting Specialist / Wetland Delineator.* Conducted multiple wetland determinations for Relativity Space. ***Performed site work, wetland consulting, endangered species compliance, and report findings on multiple proposed roadways and construction site pads*** for Relativity Space within the Stennis Space Center. Received USACE jurisdictional determinations for four projects. Worked with engineering staff on project layouts and regulatory compliance. Completed four 404 Permit Applications and final permit approval for the NASA programmatic permit through the USACE and MDMR for a roadway project and multiple large rocket testing facilities.
01/18 – 08/18	**I-10/Loyola Interchange, Jefferson Parish, LADOTD, LA.** *Project Management.* Worked with state agencies on the I-10/Loyola interchange ESA 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 was begun. Coordination with local, state, and federal agencies for project planning, development, and regulatory compliance.
02/10 – 4/11	**Roadway Expansion of LA Highway 42/LA Highway 117, LADOTD, Leeville, LA.** *Project Manager* overseeing all of the environmental assessments for the ecological projects 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, LA.** *Biologist* responsible for Wetland Determination of stream channel 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	**LADOTD McHugh Road, Wimbush Drive to Lower Zachary Road, 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. CD&C INCORPORATED			
Name	**Karla E. Weston, PE**	Years of relevant experience with this employer	20
Title	Survey and Utility Coordination Manager	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		BS / 1999 / Civil Engineering	
Active registration number / state / expiration date		PE.31010 / LA / Exp. 03/2026	
Year registered	2004	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		**Utility Coordination**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Weston's 25 years of experience with LADOTD and other municipal entities on transportation projects provides her the knowledge and ability to oversee the firm's role as a sub-consultant and ensure the work is completed to LADOTD standards.
02/16 – 09/19	**Pecue Lane/I-10 Interchange, Baton Rouge, LA.** *Principal-in-Charg*e for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. Worked to oversee the firms design, coordinate with the prime consultant and government agencies.
12/13 – 10/19	**Gramercy Bridge, St. James Parish, LA.** *Principal-in-Charge* for the firm's role as a subconsultant for the engineering design ***elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades*** for the project.
02/14 – 02/15	**I-49 Design Build, Lafayette, LA.** Provided *QA/QC* ***review for the Roadway Design Plans*** on this Design-Build Project for part of the I-49 South Corridor.
05/13 – 05/14	**LA 1 Railroad Bridge at DOW, WBR Parish, LA.** *Principal-in-Charge* for the firm's role as a sub-consult for the engineering ***design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades*** for the project. Has worked to oversee the firms design and coordination with prime consultant team.
01/06 – 12/12	**EBR City/Parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA.** *Principal in Charge* for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.
03/12 – 07/12	**Sunshine Bridge Phase 2.** *Project Manager* and *Engineer* for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.
05/11 – 04/12	**Red River – Jackson Street Bridge, Alexandria, LA.** *Project Manager* and *Engineer* for CD&C's portion of this Bridge Rehab Retainer Contract project. CD&C ***provided the Traffic Control design plans including detour maps*** of local road network for the replacement of the Jackson Street Bridge over the Red River.

06/12 – 10/12	**Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33.** *Principal-in-Charge/Project Manager* for this roadway rehabilitation project of roads in Jefferson Parish. This included ***field reconnaissance*** to determine severity of inundated roadways due to Hurricane Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
12/11 – 4/12	**Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29.** *Principal-in-charge/Project Manager* for this project which ***included survey, field reconnaissance*** to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.

Firm employed by. CD&C INCORPORATED			
Name	**Clarence J. Goodspeed**	Years of relevant experience with this employer	3
Title	Survey and Utility Coordination Manager	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		ATSSA Traffic Control Supervisor, Technician & Flagger|	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Utility Coordination**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&C Sue department.
12/24 – 04/25	**LA 317 - Wax Lake B, LA.** *Utility Coordination.* Responsible for a complete topographic survey as well as an existing drainage map. The ***topographic survey of all utilities*** included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.
10/24 – 01/25	**US 190 R Cuts @ LA741, LA.** *Utility Coordination.* Responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.
03/23 – 12/23	**MSY Campus Wide Sewer Location**, **LA.** *SUE Project Manager.* Performed a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate it's sanitary sewer lines. This project encompassed the entire campus. All sewer manholes and gravity lines as well as sewer forcemains were located. Verification of pipe size and material was also required. ***Provided all SUE appropriate reports and data*** for this project.
01/24 – 03/24	**RN Nuccio Rd SUE**, **LA.** *SUE Manager* bridge replacement project. Provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. Provided all SUE reports and data.
04/24 – 05/24	**BRMA FAA Boring**, **LA.** *SUE Manager*. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which ***included boundary plat, and SUE reports, data, and plans.***
03/24 – 08/24	**MSY East Apron Expansion**, **LA.** *SUE Manager*. This project included the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C's SUE crews ***marked underground utilities*** which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.
03/24 – 05/24	**MSY Employee Parking, LA.** *SUE Manager*. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to

	incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.
02/24 – 05/24	**BRMA Radar Decomp, LA.** *SUE Manager.* This project included SUE QL- B utility information and topographic survey for over two acres. SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project ***included topographic survey, as well as SUE reports, data, and plans.***
12/23 – 05/24	**BRMA Taxiway F Reconstruction, LA.** *SUE Manager.* This project included SUE QL- B utility information and topographic survey for over 25 acres. CD&C's SUE crews ***marked underground utilitie***s which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project included topographic survey, as well as SUE reports, data, and plans.
05/23 – 06/23	**West Broussard @ Duhon SUE, LA.** *SUE Manager*. Provided SUE QL-A utility designation for approximately 2,000' of roadway. CD&C, Inc. Provided all SUE reports and data.
09/22 – 01/23	**BRMA Northwest Aviation Development, LA.** *SUE Project Manager.* Oversaw and worked with SUE personnel to ***coordinate the collection for all the utility information and location such that survey crews could collect data*** and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.
03/22 – 10/23	**St. Mary Street Sidewalks; Scott, LA.** *SUE Project Manager*. Oversaw and worked with SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. ***Final submittal was in accordance with latest LADOTD Location and Survey standards.***
03/22 – 09/22	**Roundabouts at LA 182, Lafayette, LA.** *SUE Project Manager*. Oversaw and worked with SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
07/23 – Ongoing	**College Drive (MoveBR), LA.** *SUE Project Manager*. This project includes full topography and utility coordination for approximately 20 acres. Worked in the field to coordinate the collection of all the utility information and location for survey crews to incorporate utility information to a QL-D to QL-B level accuracy. An official SUE submittal was not required for this project. The final submittal is following standards set forth by the City/Parish government for EBR.
10/23 – 10/24	**HMGP – FEMA Groom Road Brushy Bayou**, **LA.** *SUE Project Manager*. This project included full SUE submittal for approximately 1 mile of roadway. Worked in the ***field to coordinate the collection of all the utility information and location for survey crews to collect data*** and incorporate it for the submittal of QL-B.
05/23 – 06-23	**Burbank at Pelican Lakes, Baton Rouge, LA.** *SUE Project Manager* on the intersection improvement project in Baton Rouge. Location of all subsurface utilities were provided to QL-C.

Firm employed by. ARCADIS			
Name	**Thomas Landry, PE**	Years of relevant experience with this employer	1
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization		BS / 1985 / Civil Engineering, LSU Baton Rouge	
Active registration number / state / expiration date		PE.0023842 / LA / Exp. 09/30/2026	
Year registered	1990	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Construction Proposal Services**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Landry has eight years of experience as a Project Engineer with LADOTD District 61, six years of experience as the District Construction Engineer for LADOTD District 61, and 12 years of experience as an Area Engineer with LADOTD District 62. He has experience with contract administration on asphaltic concrete overlay projects, concrete pavement reconstruction projects, interstate widening projects, and bride replacement projects.
10/15 – 12/18	**LA 447 / I-12 Interchange LADOTD, Livingston Parish, LA.** *Area Engineer*. ***Provide construction management services for LADOTD*** on interchange improvement project that includes the construction of two roundabouts and ramp modifications. As construction manager, responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and ***maintaining project documentation required by LADOTD.***
01/17 – 07/18	**LA 10 Beaver Creek Bridge, LADOTD, St. Helena Parish, LA.** *Area Engineer.* Provide construction management services for LADOTD on bridge replacement project. As construction manager, ***responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction***, directing field inspectors, and maintaining project documentation required by LADOTD.
7/17 – 04/18	**LA 447, LA 1029 – Westcoll Road Turn Lanes, LADOTD, Livingston Parish, LA.** *Area Engineer.* Provide construction management services for LADOTD on project to add a left turn lane to LA 447 for Westcoll Road. As construction manager, responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, ***directing field inspectors***, and maintaining project documentation required by LADOTD.
7/14 – 12/17	**LA 16 @ LA 22, Install Roundabout, LADOTD, Livingston Parish, LA.** *Area Engineer.* ***Provide construction management services for LADOTD*** project including drainage improvements and roundabout construction. As construction manager, responsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction, directing field inspectors, and ***maintaining project documentation required by LADOTD.***
06/16 – 07/17	**US 190, E. Baton Rouge Parish Line – W. Jct. LA 16, LADOTD, Livingston Parish, LA.** *Area Engineer.* Provide construction management services for LADOTD project including drainage improvements, full depth patching and asphaltic concrete overlay. As construction manager, r***esponsibilities include overseeing all aspects of construction and inspection including providing engineering support to the contractor during construction,*** directing field inspectors, and maintaining project documentation required by LADOTD.

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

Firm employed by. ARCADIS			
Name	**Cody Lemoine**	Years of relevant experience with this employer	7
Title	Senior Technician	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		Drone License # 4416213	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Air / Drone Photography**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Lemoine has eleven years of experience including field inspection and investigation, design, integration, and maintainance of information systems in the transportation industry. He has experience with complex ITS networks that include wireless MESH, fiber optics, and copper. He has a thorough knowledge of WIFI, Cell Networks and Dedicated Short Range Communication (DSRC) systems and standards. Mr. Lemoine is well versed in all aspects of network communications and has completed several trainings on cyber security. He is certified through Fiber Optics of America as a Fiber Optic Technician and Fiber Optic Design. He has certified technical trainings on ITS assets and systems such as COHU, Axis, Daktronics, ISS RTMS Traffic Detector, Trafficware/Naztec, Econolite Autoscope, Lufft RWIS and others. Mr. Lemoine is licensed with the Louisiana Board of Contractors as an electrical contractor & low voltage telecommunications. ***Cody is a licensed FAA Drone Pilot and uses his drone to obtain photo imagery for project site observations.***
06/24 – Ongoing	**ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract – Program Management (PM) and Maintenance Management System (MMS) Task Orders, LADOTD, Statewide.** *Field Manager / Project Manager.* Responsible for program and project management, scheduling, and invoice document preparation for the DOTD ITS maintenance program. Responsible for managing the routine maintenance of CCTV camera, Dynamic Message Sign (DMS), vehicle detector (VD) and Ramp Meter (RM) sites, and responsive/emergency maintenance of CCTV camera and DMS sites located throughout the state of Louisiana. Developed Traffic Control Plans (TCP) and worked with the LADOTD project manager to determine safety class and critical level assignments for all ITS sites. Performed training for and installation of the maintenance management system (MMS). Worked on the development of performance measures reports, ITS Maintenance Plan, Program Management Plan (PMP) and Health and Safety Plan (HASP) for the project. Developed procedures and checklists for the performance of maintenance activities at ITS sites. ***Performed data collection*** for all existing and newly deployed ITS devices and assets. Performed site inspections, validation and quality control checks for maintenance activities performed under the contract. ***Cody performed air drone photography for site observation on this project.***
06/24 – Ongoing	**ITS Management, Operations, and Maintenance Engineering & Inspection (ME&I) IDIQ Contract - Routine Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA.** *Field Manager /Project Manager.* Responsible for providing routine maintenance of statewide ITS sites including, CCTV cameras, DMS, VD, and Ramp Meters. Routine maintenance activities typically include inspecting site equipment, changing air filters, vacuuming dust out of a cabinet, cleaning CCTV domes, cleaning DMS face plates, and cleaning cooling fans, as well as record keeping. Responsibilities also include development of detailed checklist by device type; integration of checklist with MMS software; ***standardized reporting;*** development of routine maintenance scheduler; and coordination with statewide traffic management center (TMC), regional TMCs, and DOTD districts before, during, and after all routine maintenance activities. This project includes the

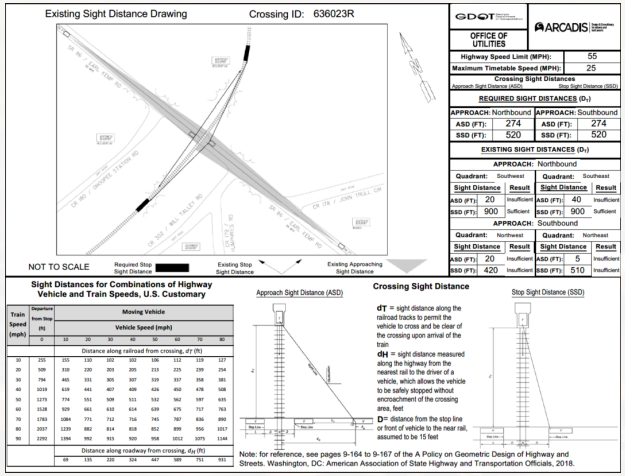
	troubleshooting and repair of malfunctioning ITS and network communications devices. Diagnostics and repair to utility power services, backup generator power sources, and solar power systems. ***Cody performed air drone photography for site observation on this project.***
06/24-Ongoing	**ITS Maintenance Retainer Responsive Maintenance Task Orders – CCTV Camera, DMS, VD, and Ramp Meter, LADOTD, Statewide, LA.** *Field Manager / Project Manager.* ***Responsible for providing responsive maintenance of statewide ITS sites including, CCTV camera and DMS.*** Responsible for responsive and emergency maintenance of ITS sites in Louisiana. Responsive maintenance involves the repair or replacement of any reported failed or malfunctioning equipment. Emergency maintenance is responsive maintenance that requires immediate repair, such as sites requiring traveler information, or incidents and events. ***Cody performed air drone photography for site observation on this project.***
01/22 – Ongoing	**ITS Maintenance Retainer Contract, ALDOT, Statewide, AL.** *Field Supervisor/Deputy Project Manager.* ***Responsible for overseeing ITS and Communications related activities.*** Provided extensive fiber optic and wireless network design for approximately 400 ITS sites in Birmingham, most of which did not have existing communications before the project began. Worked directly with ALDOT ITS and Communications personnel to develop individual networks for the seven hub buildings to effectively divide the network into separate subnets to help minimize the traffic impact of the nearly 900 IP addressable devices including switches, radios, cameras, radar detection, traffic signal controllers, and DMSs. Helped develop and implement the first 811 utility locate program in the East Central Region that has completed over 300 fiber optic cable locates in 14 months. ***Cody performed air drone photography for site observation on this project.***
08/21 – 09/25	**CE&I for I-10 US 61 to Laplace ITS Deployment, Ascension, St. James, St. John the Baptist Parishes, LA.** *Senior Inspector.* ***Provide field inspection and investigation services to LADOTD on ITS expansion project*** that includes the installation of approximately 23 miles of fiber optic communications cable and conduit and the installation of 10 CCTV cameras including 4 that will be solar powered. Overseeing all aspects of CE&I including providing support and quality control oversight to the contractor during construction, directing field inspectors, and maintaining project documentation required by LADOTD, including Daily Work Reports, materials testing submittals, daily temporary traffic control, and daily pay items.
10/19 – 08/21	**CE&I for Alexandria ITS Deployment Phase 3, LADOTD, Rapides Parish, LA.** *Lead Inspector.* Provided construction management services to LADOTD on ITS expansion project in the Alexandria metropolitan area that included installation of fiber optic communications cable, DMSs and CCTV cameras on US 71, US 165, and LA 28. Responsibilities include overseeing all aspects of CE&I including ***providing engineering support to the contractor during construction***, directing field inspectors, and maintaining ***project documentation required by LADOTD***.

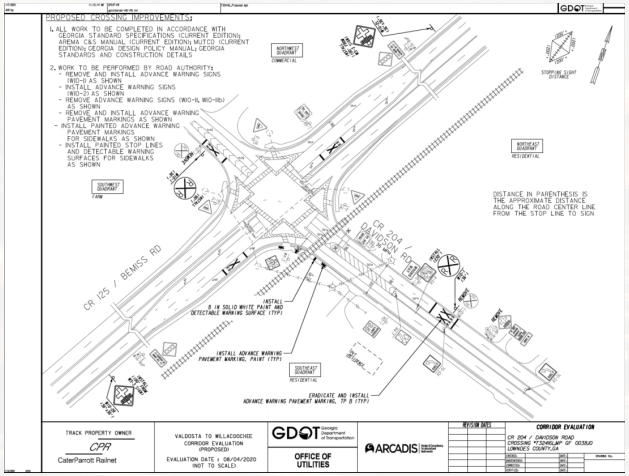
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

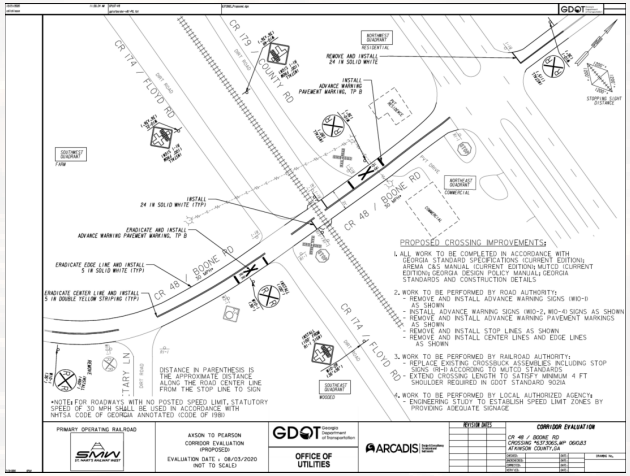
ARCADIS

SECTION 17

The images provided illustrate (1) a sight distance evaluation and (2 & 3) proposed improvements at highway-rail crossings, all part of a comprehensive Highway-Rail Crossing Evaluation Report. To date, Arcadis has completed over 2,000 crossing evaluations throughout Georgia. Each evaluation results in a detailed report outlining existing conditions and recommended safety enhancements.







Georgia Department of Transportation (GDOT)

Arcadis developed the above plans of proposed signange and pavement markings at I-I4 Highway-Railroad Grade Crossings Located in GDOT District 4 Counties: Lowndes, Lanier, Berrien, at Kinson, Cook & Brooks

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Other (Railroad), Traffic, Planning
Project name	On-Call Professional Services Class III (Short Line) Railroad Crossing Safety Program	Firm responsibility (prime or sub?)	Prime
Project number	TOOUT1800736 ; TOOUT2301230	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Statewide, GA	Owner's Project Manager	Jason Mobley
Owner's address, phone, email	600 West Peachtree St., N.W., 10th Floor, Atlanta, GA 30308, 404-293-8355, jmobley@dot.ga.gov		
Services commenced by this firm (mm/yy)	02/18	Total consultant contract cost ($1,000's)	$7,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$5,000

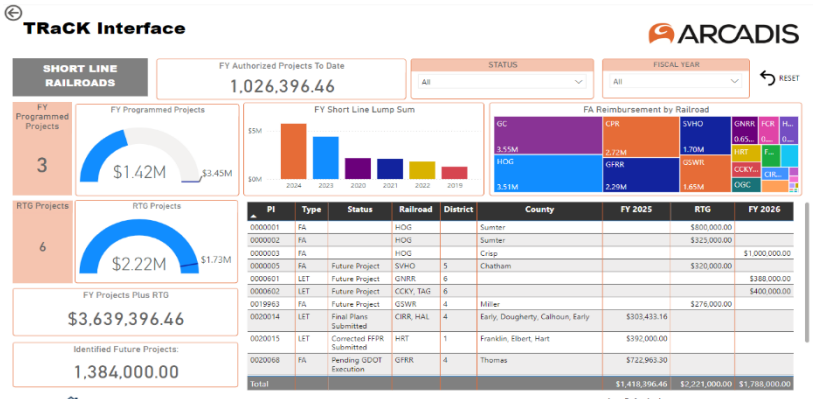
Firms Members: DoriAnn Clayton, Jim Tolson, Brandon Thomas, Doug Tilt, Mason Hodges, Kester Hollier

Arcadis has supported the GDOT Railroad Safety Program focused on Federal Section 130 funding since 2014. Arcadis was awarded a consecutive contract focused on Class III (Short Line) Railroads in the State in 2018 and again in 2022. The contracts follow FHWA Railway-Highway Crossings (Section 130) Program to perform safety analysis and recommend improvements for public at-grade railroad crossings across the state. The Arcadis team continued to ***perform site evaluations at over 1,200 crossings statewide with independent at grade rail crossing safety audits utilizing crash data, roadway traffic volumes, train volumes, and highway road/rail characteristics (sight distance, profile grades, grade crossing advance warning, and roadway/crossing pavement conditions).*** The Arcadis team has worked closely with GDOT to formalize the report evaluation form to help streamline the process in a formal document with phases that can be used for subsequent signing and marking plans to implement improvements more efficiently.

Relevant Services

- Site Evaluations
- Safety Analysis
- Improvement Recommendations
- Stakeholder Coordination
- Force Accounts
- Signing and Marking Plans
- Data and Inventory Management

Data gathering and updates proved vital to the success of the program. Databases are continuously updated for the Federal Rail Authority (FRA) Grade Crossing Inventory System (GCIS) and the Georgia Rail Assessment Inventory and Location System (G.RAILS). The Arcadis team documents existing assets including signs, markings, and crossing warning equipment in both GDOT's and the Federal databases. With accurate and more complete data sets, Arcadis continues to grow the Short Line project success, identifying priority projects with a more complete data driven approach. The contract requires extensive ***stakeholder coordination*** with Federal/Local Agencies, Rail Owners, and GDOT Offices. Arcadis coordinates stakeholder meetings within GDOT, various local agencies, and numerous short line rail owners presenting safety recommendations with the goal of a unified approach to safety improvements. Arcadis has also coordinated across GDOT offices for opportunities to combine program funding for safety improvements like the Office of Traffic Operations Safety program.



Arcadis-developed program performance dashboard summarizing various program aspects for easy access and tracking for our client, GDOT.

Identified project are programmed as Force Account Agreements or GDOT contract letting. The Force Account agreements with GDOT include preliminary engineering and construction of warning device equipment or crossing closures. As part of the agreement, we coordinate and evaluate rail owner cost estimates and see the project through to construction. Signing and marking plans and other improvements are prepared in accordance with GDOT PDP as State Let projects coordinating, Right of Way, Utility, and Environmental certifications. Arcadis created an interface for ***project delivery*** to monitor milestone completion dates, reduce scheduling conflict and optimizing authorization goal success. The project mapping incorporated with the TRaCK Interface also presents a unique visualization of all project locations, reducing conflict oversight, and resulting in a more effective fund allocations outcome. Specific to the Class III (Short line) Railroads, ***Arcadis has prepared and let to contract 14 signing and marking plan sets and executed more than 60 force account agreements.***

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Other (Railroad), Traffic, Planning
Project name	On-Call Professional Services Railroad Crossing Safety Program	Firm responsibility (prime or sub?)	Prime
Project number	TOOOURX130526	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Statewide, GA	Owner's Project Manager	Stenley Mack
Owner's address, phone, email	600 West Peachtree St., N.W., 10th Floor, Atlanta, GA 30308, 404.635.2466, smack@dot.ga.gov		
Services commenced by this firm (mm/yy)	02/14	Total consultant contract cost ($1,000's)	$3,000
Services completed by this firm (mm/yy)	02/18	Cost of consultant services provided by this firm ($1,000's)	$3,000

Firm Members: Douglas Tilt, Jim Tolson, DoriAnn Clayton, Brandon Thomas

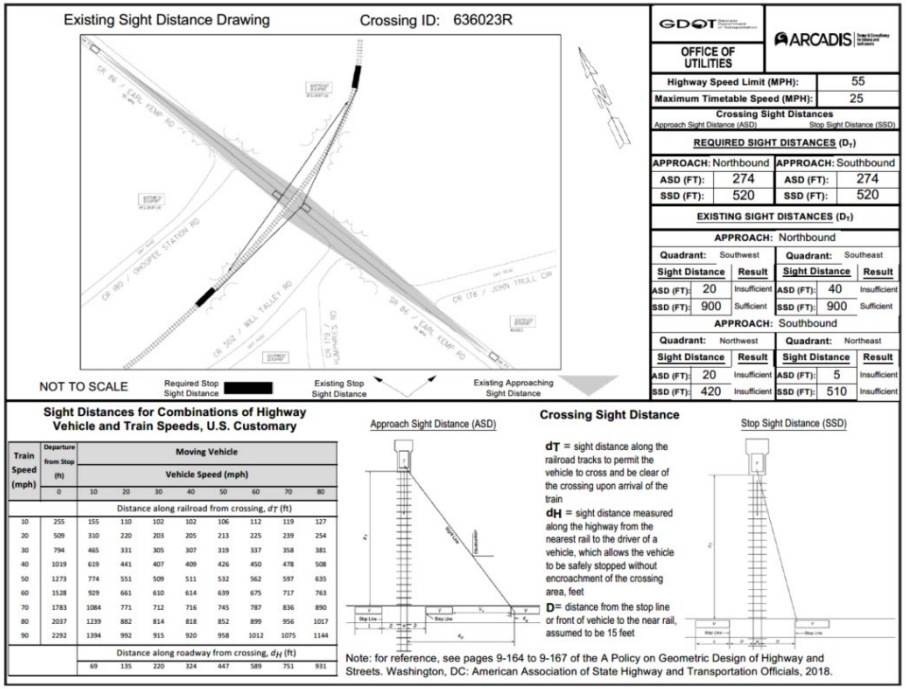
Relevant Services

- Safety Analysis
- Improvement Recommendations
- Crossing Evaluations
- Data and Inventory Management
- Signing and Marking Plans

Arcadis supported the Federal Section 130 Program with the Georgia DOT, performing safety analysis and recommend improvements for public grade railroad crossings across the State. Over **850+ crossings were evaluated during the contract along CSX, Norfolk Southern, Georgia Northeastern Railroad (GNRR), and the Georgia Southern Railway Company (GS).** Each highway-rail crossing evalaution included documenting existing assets, performing operational analysis utilizing crash data, traffic volumes and highway road/rail characteristics, reporting railroad crossing deficiencies, and recommending safety improvements and construction projects. The Program utilized Federal and State software databases to assist in analyzing crossings. Databases included the Federal Rail Authority (FRA) Grade Crossing Inventory System (GCIS) and GDOT Rail Road Management System (RRMS).

The existing conditions and recommended safety improvements were documented in a formal report outlining existing conditions and proposed safety improvements. **Railroad corridor signing and marking plans for advance warning upgrades were developed and let to contract in accordance with GDOT PDP under four task orders for 280 crossings.** The scope of work also included diagnostic reviews at selected locations for road safety audits and independent analysis for closing railroad crossings, cost estimate preparation, Project Framework Agreements with funding allocation, and project programming requests to be included in GDOT's Construction Work Program.

Project recommendations and plan development were coordinated with local stakeholders and railroad owners. All State construction roadway projects near any highway-rail crossing were also reviewed at preliminary and final field plan review phases, including safety compliances in accordance to MUTCD and other Federal/State guidelines; ensuring constructability through project completeion and construction staging.



Sight distance evaluations are completed at every crossing to determine safety and operational deficiencies.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Other (Railroad), Traffic, Planning
Project name	ALDOT Section 130 Program of Safety Projects - Railroad Crossing Safety Improvements	Firm responsibility (prime or sub?)	Prime
Project number	# 2619	Owner's name	Alabama Department of Transportation (ALDOT)
Project location	Statewide, AL	Owner's Project Manager	Donald Lovelace
Owner's address, phone, email	4711 Governors House Dr SW, Huntsville, AL 35805, (334) 353-6554, lovelaced@dot.state.al.us		
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost ($1,000's)	$250
Services completed by this firm (mm/yy)	04/23	Cost of consultant services provided by this firm ($1,000's)	$250

Firm Members Involved: Douglas Tilt, Jim Tolson, DoriAnn Clayton, Brandon Thomas

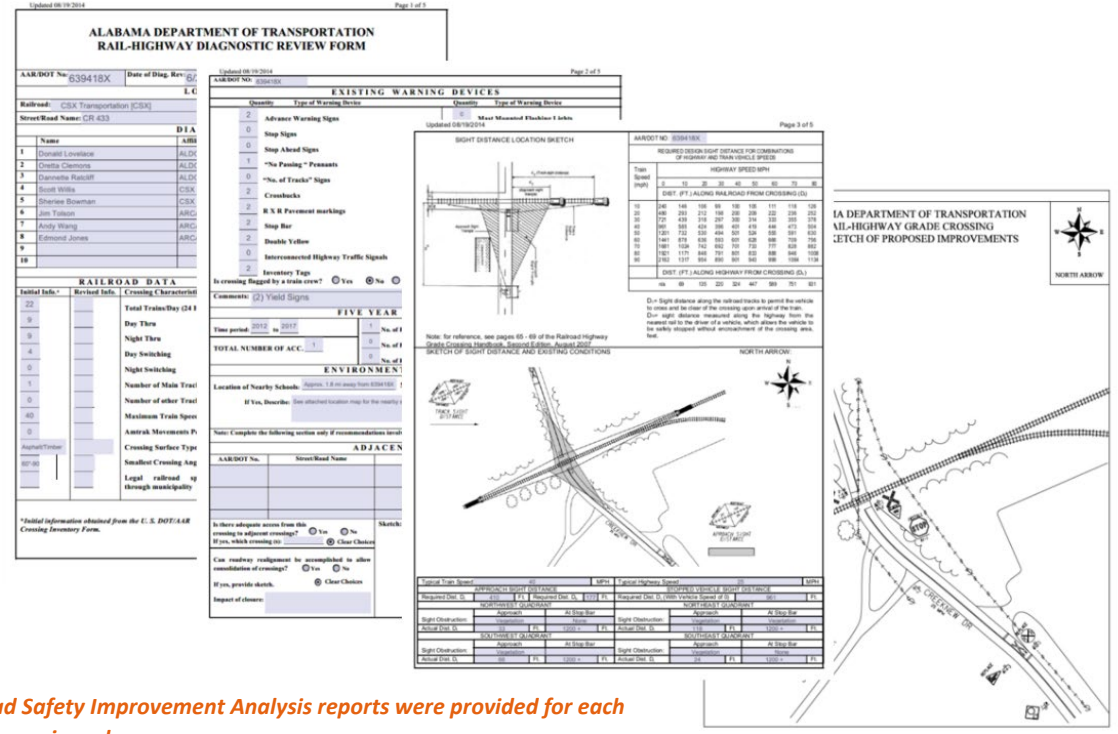
Arcadis was responsible for **performing fifty at-grade railroad crossing diagnostic reviews identified as highest priority crossings in the state of Alabama.** Diagnostic reviews required collaboration with local governing personnel, the railroad, and State transportation representatives. Multiple diagnostics were scheduled within a day with the individual time and location coordination for the appropriate personnel. This allowed **efficiency in field reviews and timely reporting**.

Relevant Services

- Project Management
- Field Inspections
- Cost Estimating
- Railroad Safety Improvement Analysis

Railroad Safety Improvement Analysis reports were provided for each crossing reviewed. Recommendations were developed for safety improvements in accordance with current ALDOT, MUTCD, and Railroad guidelines, including installation of active warning devices, upgrading/replacing existing traffic control devices, advance warning signing/pavement markings updates, railroad cost estimating, railroad owner agreement coordination, and FHWA funding support coordination.

Local agency maintenance agreements were also established with ALDOT through Arcadis' work on the project, which required extensive local agency coordination and cost estimating for final Federal Highway approval.



Railroad Safety Improvement Analysis reports were provided for each crossing reviewed.

17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Other (Railroad), Road, CEI/OV, Environmental
Project name	**CSX General Engineering Contract (GEC) On-Call**	Firm responsibility (prime or sub?)	Prime
Project number	Various	Owner's name	CSX Transportation
Project location	Nation-wide (USA) and Ontario and Quebec, Canada	Owner's Project Manager	William Roseborough
Owner's address, phone, email	500 Water Street, Jacksonville, Florida 32202, 904. 359. 1048, william_roseborough@csx.com		
Services commenced by this firm (mm/yy)	05/01	Total consultant contract cost ($1,000's)	$2,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$2,500

Firm Members Involved: Sean Markey, Bill Jansen, Eric Bullerman

For more than 30 years, Arcadis has been serving the North American railroad industry. We currently serve all six Class I rail roads and multiple short-lines and have completed more than 10,000 projects for our rail clients. This project is just one sample. Since 2001, we have been honored annually with the CSX awards of excellence.

Arcadis holds an On-Call GEC services contract for CSX operating rail network of 21,000 miles in 23 states, District of Columbia, and Canadian provinces of Ontario and Quebec. The network moves 1,200 trains daily, transporting an average of 20,000 carloads, and maintaining a fleet of 3,800+ locomotives and 102,000 freight cars.

We are strategically dispersed across CSX service areas and highly knowledgeable about their service areas and associated local/regional permit/compliance require-ments. We work on a variety of projects including **permitting, design, surveying, construction, engineering inspection, public support services, and program/construction management.**

Relevant Services

- CSX/DOT Coordination
- Plan Review
- Track/Structures Design
- Facilities Engineering
- Permitting
- Surveying
- Project Management
- Engineering Inspection
- Asset Management
- Real Estate Services

In addition to CSX rail line expansion/upgrade projects, we serve as program manager for CSX interests with outside parties providing programmatic review of project designs that impact CSX facilities/operations, develop agreements to implement projects, and provide implementation oversight. We coordinate projects and interface with public/ privatesector organizations/agencies. We also hold On-Calls with CSX Intermodal and CSX Environmental.

17 FIRM EXPERIENCE:

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

Firm Members Involved: Akhil Chauhan, Ari Deitch, Max Aguirre, Justin Maderia, Jose Rodriguez

Firms Role: Conducted traffic and **safety studies** to develop feasible alternatives to improve safety.

I-49 Interchange Safety Feasibility Study, Lafayette Parish

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

NO Ped Study: Implemented low-cost safety improvement on Read Blvd High-Visibility Crosswalk and Refuge Island

Relevant Services

- Crash History & Safety Analysis
- Traffic Modeling
- Traffic Signal Improvements
- Data Collection
- Corridor and Intersection Studies
- Pedestrian & Bicycle Improvements
- Alternative Development
- Conceptual Drawings
- Construction Cost Estimates
- Predictive Safety Analysis
- Benefit-Cost Analysis
- Stage 0 Documentation

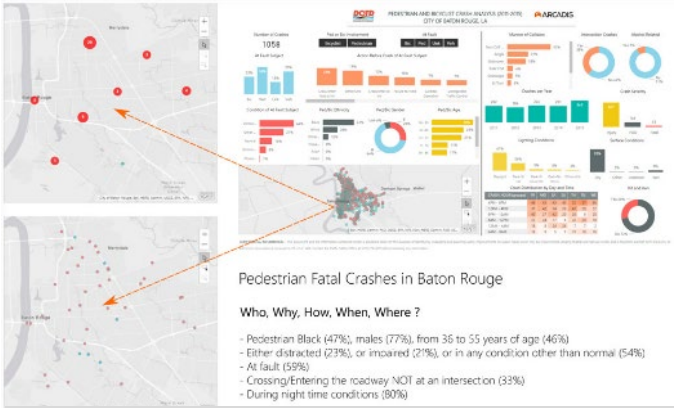
New Orleans Pedestrian Safety Feasibility Study, Orleans Parish

- Collected traffic and pedestrian count data at 20 high-risk intersections with a history of pedestrian fatalities.
- Conducted traffic analysis of existing and future year conditions using VISTRO and SIDRA.
- Performed in depth analysis of crash history with a focus on pedestrian and bicycle crashes.
- Developed **safety countermeasures to address identified operational and safety needs**, including traffic signal, signing, and striping improvements.
- Conducted **benefit-cost analysis** for proposed countermeasures using **HSM predictive methods**.
- Coordinated closely with LADOTD and NORPC to develop context sensitive solutions.
- Provided **Stage 0 Documentation** - Preliminary Scope and Budget and Environmental Checklists.

Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments; EBR Parish

- Developed safety action plan: Identified 10 locations with highest risk of ped / bike crashes.
- Conducted **Road Safety Assessments** using a multi-disciplinary team of transportation engineers.
- Developed safety countermeasures to address operational and safety needs.

Coordinated closely with LADOTD, District, and Stakeholders to develop **context sensitive solutions**.



BR PBSAP: Custom dashboard using range of data to identify priority areas of implementation of safety countermeasures

17 FIRM EXPERIENCE:

Firm name	NEEL-SCHAFFER	Past Performance Evaluation Discipline(s)*	Road, Planning, Traffic
Project name	**IDIQ Contract for Design of Safety Projects (Districts 02, 61 & 62)**	Firm responsibility (prime or sub?)	Prime
Project number	4400013850	Owner's name	LADOTD
Project location	Statewide	Owner's Project Manager	Mark J. Morvant, P.E.
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225 379 1205; Mark.Morvant@la.gov		
Services commenced by this firm (mm/yy)	04/19	Total consultant contract cost ($1,000's)	$1,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,500

Firm Members Involved: Nick Ferlito, Dishili Young, William Fulcher, Jonathan Duhe

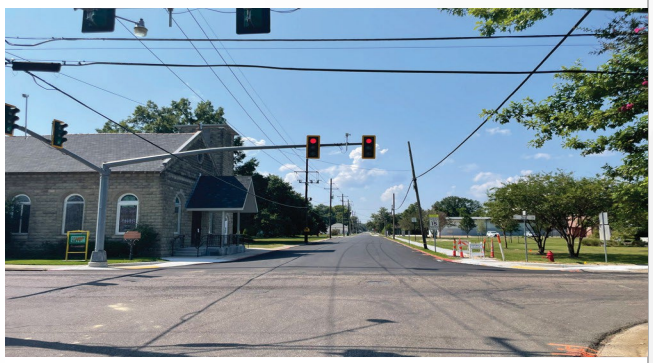
The following projects are included in this contract:

T.O. No. H.013014 – Local Road Signing (Vermilion) – This project includes ball–bank study, striping and signing to improve the safety along roadway segments and curves.

T.O. No. H.010108.1 – Independence SRTS – Phase II – This project includes approximately 4,100 feet of sidewalks, storm sewer drainage system, handicap curb ramps, and signage along LA 40, N. Oak St. and Pine St.

T.O. No. H.013770 – LRSP (Iberia Parish and City of N.I.) – This project **includes signage and striping for safety improvements** along 30 Miles of roadway.

T.O. No. H.013713.1 – LA 60: Bogalusa H.S. Ped Improvements – This project will provide safety improvements which include a road diet, new crosswalks, sidewalks, signage, and new pavement markings. The project limits are along Avenue B (LA 60), Plaza Street and Red Cross Plaza.



Pine St. at LA 40 (facing south) in Independence, LA

T.O. No. H.013621 – W. 11th Avenue Ped and Bicycle Improvement – This project will **provide safety improvements which in clude 2,000 feet of sidewalks**, pavement markings, signage, and storm sewer drainage along W. 11th Avenue between S. Tyler (LA 21) to S. Jefferson Avenue.

T.O. No. H.013621.1 – LRSP Signs, Striping and X–Overs (Gonzales) – This project will provide safety improvements (median modifications, **pavement markings**, signage) along S. Irma Boulevard and S. Purpera Avenue.

T.O. No. H.013751 – Downtown Greenway LA Connector (BR) – This project will provide sidewalks and **shared lanes** on Louisiana Ave. and Eddie Robinson Sr. Dr. The project scope includes adding sidewalks, replacing driveway pavement, installing plastic pavement striping, and ADA–compliant curb ramps.

T.O. No. H.009290 – LSU Laboratory School SRTS Project – This project includes shared use paths along Dalrymple Dr., sidewalks along Fraternity Dr., signage, striping and ADA–compliant handicapped ramps.

T.O. No. H.015011 – Local Road Signing (Ascension) – This project includes raised median installation, signage, and **striping for safety improvements** along 32 parish and local roadways in Ascension Parish.

T.O. No. H.014579 – FYA Signal Improvements (LCG) – This project includes the **installation of flashing yellow arrows**, cabinets, and detection systems for 28 intersections throughout Lafayette.

T.O. No. H.013622 – LSRP Ardenwood Dr. Road Diet (East Baton Rouge) – This project includes a study in connection with a road diet to include the installation of signs, striping, **crossovers**, pedestrian signals, and **roadway improvements**. The study will be used to develop reasonable tier 1 alternatives to mitigate the operational and safety issues.

17 FIRM EXPERIENCE:

Firm name	NEEL-SCHAFFER	Past Performance Evaluation Discipline(s)*	Data Collection, Traffic
Project name	SCDOT Railroad Crossing Inspection and Inventory (2022-2025)	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	SC Department of Transportation
Project location	Statewide, SC	Owner's Project Manager	Eric Wessinger
Owner's address, phone, email	P.O. Box 191, Columbia, South Carolina 29202, (803) 737-4440; wessingeje@scdot.org		
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)	$1,650
Services completed by this firm (mm/yy)	12/25	Cost of consultant services provided by this firm ($1,000's)	$1,650

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

Neel-Schaffer was selected to inventory all public highway-rail grade crossings for biennially for four years in these 21 midlands and upstate counties: Abbeville, Anderson, Cherokee, Chester, Chesterfield, Edgefield, Fairfield, Greenville, Greenwood, Kershaw, Lancaster, Laurens, McCormick, Newberry, Oconee, Pickens, Richland, Saluda, Spartanburg, Union, and York (1,307 crossings, 2,614 total inspections). All crossings were loaded into ArcGIS, which was used to plan efficient crossing inspection routes.

The three deliverable items submitted to SCDOT for each county included a **data spreadsheet with all crossing dimensions, signage, pavement markings, and warning devices, photo of all approaches at each crossing, and a digital sketch of each crossing to include warning device configuration and all crossing-related signs.** These sketches were produced using microstation and included the most recent aerial imagery of the site.

Railroad crossing inventories were conducted at all public highway-rail grade crossings pursuant to 23 USC 130 and included a dimensional analysis of the railroad crossing, roadway approaches, and all signs pertaining to each crossing. Retro-reflectivity measurements were collected on state-owned warning signs, **crossings were evaluated for approach grade deficiencies, and recommendations were made accordingly**. State inspection forms were completed pursuant to SC Code Section 58-17-1450 at all crossings on state-owned roads. These inspections included retro-reflectivity measurements for crossbucks (R15-1) and stop/yield **regulatory signs and an evaluation of sight distance looking each direction down the tracks at every crossing approach.**

This project was the first in which SCDOT's Rail Collector App was used to collect all field data on this contract. Data was collected using an iPad with Survey123, and all data was exported and compiled into a spreadsheet which separated all deficiencies by approach direction and grouped by deficiency owner.

Digital sketches of each crossing were produced in MicroStation and included the most recent aerial image and GPS coordinates hyperlinked to Google Maps. We refined field inspection manuals and training materials for our company and used standardized operating procedures to process high volumes of data in our effort to provide a high-quality product to SCDOT.

SCDOT RR Highway Grade Crossing Inspection / Inventory (1,307 crossing in 21 counties)

17 FIRM EXPERIENCE:

Firm name	NEEL-SCHAFFER	Past Performance Evaluation Discipline(s)*	Data Collection, Traffic, Road
Project name	MDOT Railroad Crossing Grade Improvements	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	MS Department of Transportation
Project location	Long Beach, MS	Owner's Project Manager	Jim Willis, P.E.
Owner's address, phone, email	1200 West St, Jackson, MS 39203, (601) 359-7025; jcwillis@mdot.ms.gov		
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost ($1,000's)	$3,500
Services completed by this firm (mm/yy)	02/21	Cost of consultant services provided by this firm ($1,000's)	$3,500

Firms Role:

Neel-Schaffer was contracted by the Mississippi Department of Transportation to conduct a comprehensive study and evaluation of the existing railroad crossings throughout the City of Long Beach on the Mississippi Gulf Coast. The study began in June 2020 and was completed in February 2021, and established a basis of **design, evaluated, and provided recommendations to improve the vertical alignment at 10 at-grade railroad crossings** in the City of Long Beach.

Deliverables for the study included recommendations for improvements and discussion with the client regarding the recommendations and preliminary plans.

The contract included:

- Field Survey and submittal of field survey data via Microstation CADD files.
- Determination of the Basis of Design and a Basis of Design report that was provided to MDOT for review.
- Conceptual Plans that conformed to the MDOT Roadway Design Division's CADD specifications as described in the MDOT Roadway Design Division's CADD User's Manual.
- Preparation and submittal of Field Inspection Plans in accordance with the MDOT Roadway Design Division's CADD specifications as described in the MDOT **Roadway Design Division's CAD User's Manual based on the approved conceptual plan.**

The basis of design considered the use of MDOT, AREMA, AASHTO and Florida Standards. Existing crossings were evaluated using standard AASHTO vehicles and a special design vehicle (tow vehicle and large boat trailers accessing the small craft harbor).

A matrix was developed as a decision-making tool for improvements. The data included functional classification of the roadway, traffic volumes, listing of vehicle types that could not navigate the existing alignment and incident data. Truck routes were established at two locations for implementation of Florida Standards. The remaining crossings were improved as feasible based on cost. All the recommended improvements are being implemented.

Cleveland Avenue crossing CSX Railroad in Long Beach, MS, before grade improvement.

17 FIRM EXPERIENCE:

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

Firm Members Involved: **Karla E. Weston, Christopher Ballard, Madison Mills, Clarence J. Goodspeed**

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

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

Performed in LA: 100%

17 FIRM EXPERIENCE:

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

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

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

CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1.60 miles south of the intersection of La 317 and US 90. The survey continued along US 90 for 2.3 miles north of the intersection of La 182. The width of the survey was five feet behind the right of way to the apparent right of way of all crossing streams, canals, and 500 feet from any drainage structure.

Performed in LA: 100%

17 FIRM EXPERIENCE:

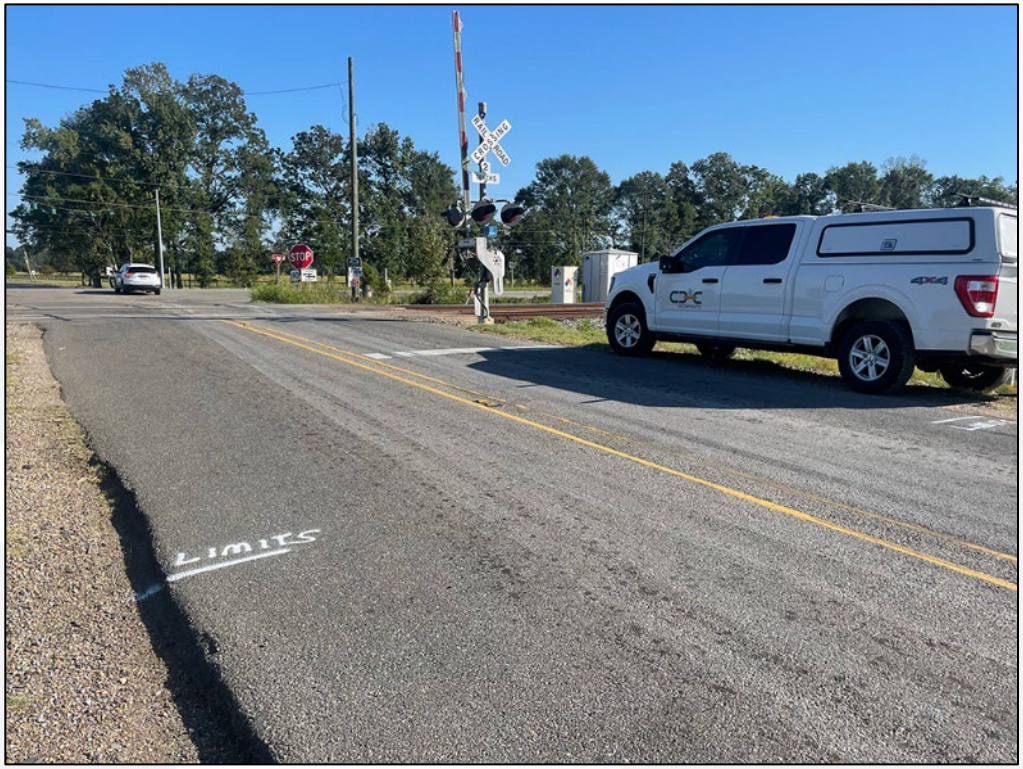
Firm name	CD&C INCORPORATED	Past Performance Evaluation Discipline(s)*	Survey
Project name	US 190 R Cuts @ LA741	Firm responsibility (prime or sub?)	Sub
Project number	H.015849	Owner's name	Department of Transportation and Development (LADOTD)
Project location	St. Landry Parish, Port Barre, LA	Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street Baton Rouge, LA 70802 / 225 387 2422 / FieldsAdam@stanleygroup.com		
Services commenced by this firm (mm/yy)	10/24	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	01/25	Cost of consultant services provided by this firm ($1,000's)	$92

Firm Members Involved: Karla Weston, PE; Madison Mills, PLS, Chancey Cothren LSI; CJ Goodspeed

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

CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1700 feet west of the intersection of the US 190 and La 741. The survey then proceeded West along US 190. In addition, the survey was 10 feet north of the right of way line of US 190 to the toe of the **Union Pacific Railroad**. The survey then extended north along La 741 for 200 feet, then south from centerlines to a distance of 180 feet.

Performed in LA: 100%



LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTION

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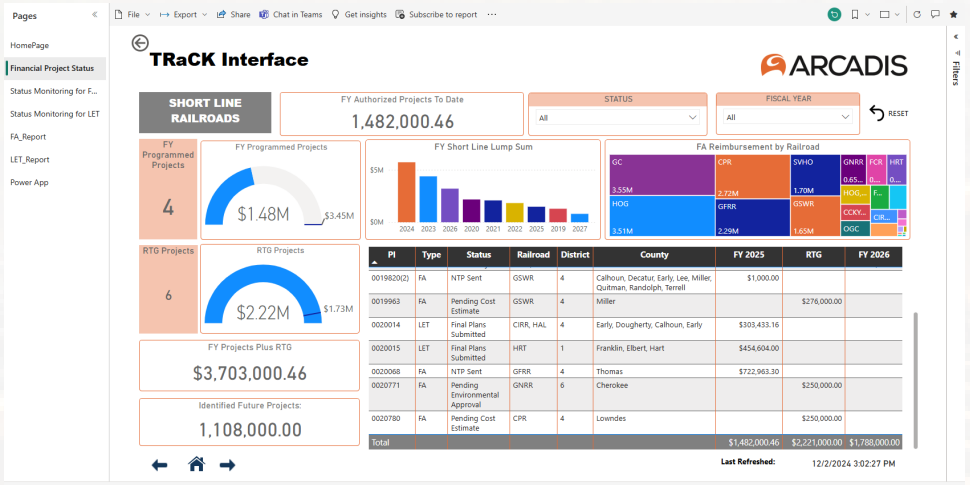
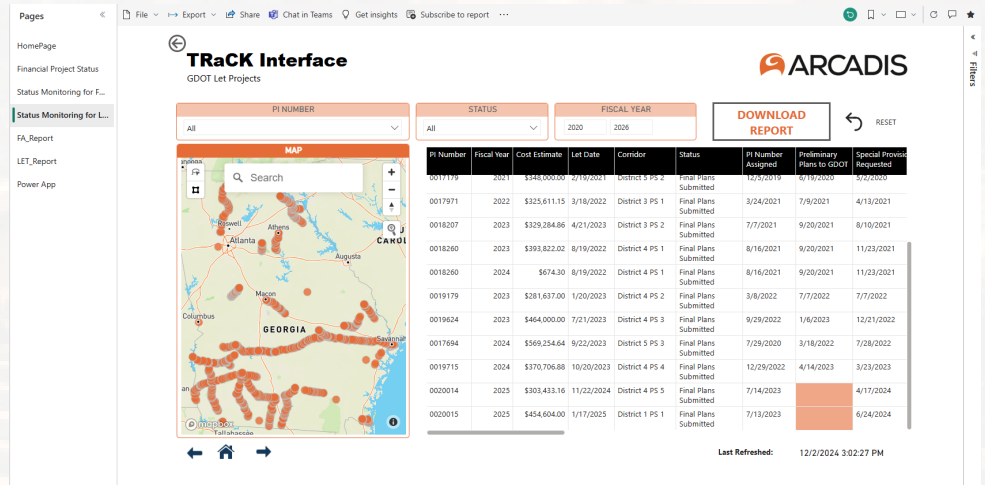
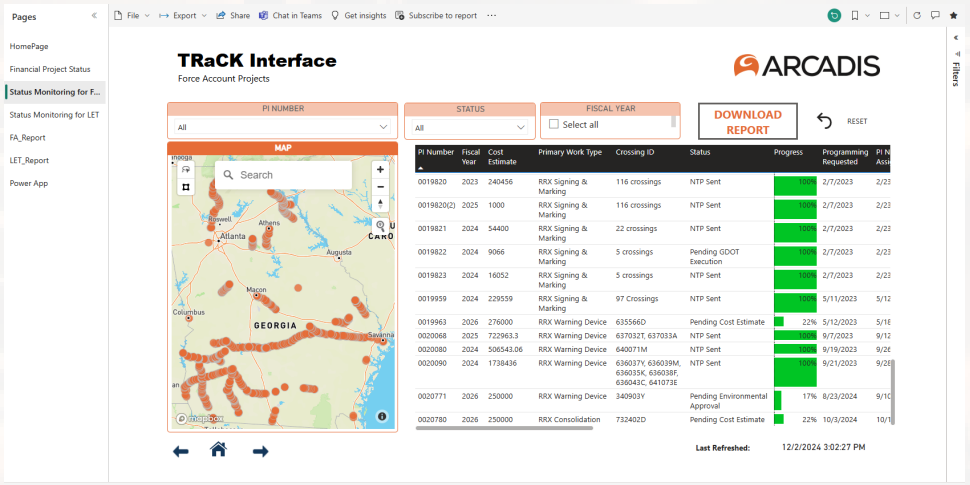
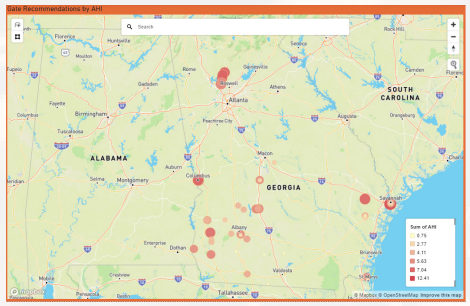
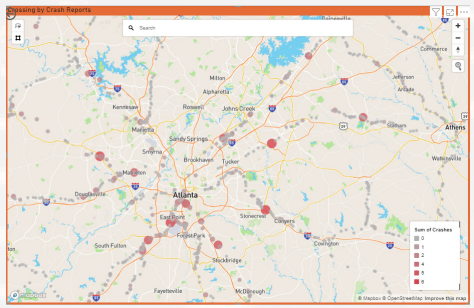
Arcadis developed the TRaCK Interface, a web-based management tool, to support our ongoing GDOT Railroad Safety On-Call contract. This system enables real-time monitoring of projects by tracking milestone completion dates, minimizing scheduling conflicts, and improving the achievement of authorization goals. The integrated project mapping feature provides a clear visualization of all project locations, helping to prevent conflicts and support more effective allocation of funds.











The Arcadis Team

Arcadis has supported Railroad-Highway Crossing Safety Programs throughout the Southeast since 2014, leading efforts for hazard eliminations at public railway-highway crossings. Our team thoroughly understands processes, procedures, and requirements and will use a data-driven approach to expedite delivery, minimize cost, and meet Program goals. We will bring our experience to LADOTD to boost Program momentum with lessons learned and best practices necessary for a smooth transition into this contract. Our team of technical experts and engineers bring experience in all aspects of this IDIQ contract including Corridor Studies, Traffic counts and Crossing Closure Studies, Diagnostic Reviews , Federal Reporting, and Design. Our team has performed railroad crossing hazard analyses and created plan development programs following the Federal Section 130 regulations for safety improvements at numerous public grade crossings in multiple states. To date, we have ***evaluated more than 2,000 crossings*** along Class 1 and Shortline railroads throughout the southeast region.

Kester Hollier, PE, PTOE will be the Project Manager (PM) for the contract, bringing over 20 years of transportation engineering and project management experience. Kester will be supported by Deputy PM ***Jim Tolson, PE*** who is currently managing task orders in the region related to similar Railroad Highway Crossings Programs. He will use his extensive experience to support LADOTD in finding innovative ways to enhance and expand this program. The Arcadis Team will be supported by subconsultants: ***Neel Schaffer*** will provide support for multiple components of the contract including railroad safety assessments, traffic engineering, and railroad crossing design, providing necessary redundancies to meet project schedules and conduct concurrent task orders. ***CD&C*** will provide survey services.

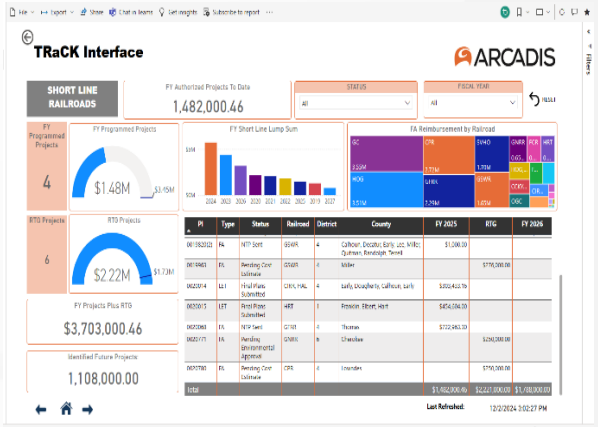
The Arcadis Team is prepared to work in partnership with LADOTD to ***identify hazards, develop strageties for improvement, and impliment projects at highway-rail crossings*** that will facilitate eligibility and compliance with federally mandated requirements.

Contract / Program Management

The IDIQ contract will be managed by PM Kester Hollier and Deputy PM Jim Tolson—supported by technical experts with deep railroad, environmental, and engineering backgrounds.

Upon notice of award of the contract, Arcadis will schedule a meeting with LADOTD PM to review goals and objectives of the Program, discuss potential task orders, identify key stakeholders, and present our approach to the overall contract management. Arcadis will schedule monthly meetings with the LADOTD PM to provide status updates on all active and potential task orders under the contract. For individual task orders, we believe that ***a comprehensive, clearly defined scope of work is imperative to the successful and timely completion of task orders.*** Putting in extra effort into the scope development process ensures a mutual understanding of tasks and deliverables, minimizes the number of scope revisions before acceptance, and avoids the need for supplemental agreements down the road.

We will utilize innovative tools such as the ***TRaCK Interface and custom dashboards*** to monitor project progress, manage milestones, and provide real-time data for decision-making. Arcadis brings extensive, hands-on experience ***managing Force Account Projects as part of comprehensive Section 130 railroad-highway crossing safety program.***



Arcadis worked with other states to develop a web-based management tool that stores all study location data. We will continue to augment TRaCK as the Program grows, including enhancing the contract/TO tracking ability to allow LADOTD to ***view task order status and track critical items in one dashboard.*** This tool also helps management easily track funding allocation with a snapshot of current Program costs, including fiscal year breakdowns. The interactive GIS map allows the team to quickly view existing locations and locations that have been evaluated utilizing a master map that covers all crossings statewide.

Corridor Studies

Our approach begins with a comprehensive review of all crossings within the corridor, including site visits, GIS mapping, and analysis of historical crash, traffic, and train movement data. As part of our fieldwork, we

document physical conditions, signage, and potential sightline issues at each location, supplementing our assessments with photographic evidence and stakeholder input from local communities. GIS mapping allows us to ***analyze spatial patterns, identify proximity to sensitive land uses such as schools or hospitals, and overlay demographic or development data to anticipate risk.***

We go beyond database records by directly engaging with rail owners to obtain the most current asset information and, where necessary, assist them in updating federal data logs to ensure compliance. This ***proactive engagement accelerates the identification of undocumented or recently modified assets***, and helps uncover operational challenges not always evident in public records.

We assess the corridor as an integrated network, identifying clusters of crossings that present systemic risks or opportunities for consolidated improvements. Through spatial and statistical analysis, we pinpoint areas where clusters of incidents or infrastructure deficiencies indicate the need for coordinated interventions. We also evaluate the potential for consolidating crossings or introducing new technologies—such as remote monitoring or advanced warning systems—that can be deployed efficiently across multiple sites.

All recommendations are documented in formal reports, with supporting technical data. Our deliverables include summary tables, ***GIS-based visualizations***, and site-specific findings to support transparent decision-making. To facilitate funding and stakeholder buy-in, ***reports are tailored to address regulatory and grant requirements.***

Traffic Counts and Traffic Studies for Closures

Our process includes meticulous data collection at each crossing and its approaches, including AADT counts, turning movement counts, vehicle classifications, and train frequency data. We will also identify where traffic data is needed at roadway intersections and corridors in close proximity to crossings that may be impacted by proposed railroad crossing improvements and mitigations measures. We partner with specialized subconsultants, to ***ensure all data is collected in accordance with LADOTD's Traffic Engineering Process and Report (TEPR) and federal requirements.***

Our engineers analyze both current and projected traffic patterns, evaluating the impact of potential closure or modification of crossings on alternate routes, network capacity, and emergency response. ***We integrate crash history and capacity analysis to support a holistic understanding of safety and operational risks.*** This process includes the identification of candidate crossings, prioritizing those that are redundant, have low usage, or are a high risk. The results are synthesized into detailed reports that include alternatives analysis, mitigation recommendations, and prioritization for project selection, delivering actionable information for LADOTD decision-making.

Each closure recommendation is supported by a thorough alternatives analysis, cost estimate, and a strategy for rerouting or mitigating impacts on affected users. We ***coordinate closely with the DOT, local agencies, and railroad owners, ensuring that all perspectives are considered and that closures utilize eligible federal funding***. Our track record includes streamlining closure processes and providing documentation that withstands public and regulatory inspection.

Our team is familiar with traffic analysis softwares that may be utilized for analysis including Synchro, SimTraffic, Vissim, SIDRA, and HCS.All traffic studies will be conducted in accordance with ***TEPR requirements.***

Diagnostic Reviews for Individual Crossings

Our approach for individual crossings incoporates similar elements of data collection, analysis, reporting, and stakeholder engagement as described for Corridor Studies and Traffic Studies for Closures – applied to individual crossings.

Diagnostic reivews include an evaluation of various elements including crash history, traffic and train volumes, geometric conditions, and environmental factors to determine safety risks. These evaluations include documenting existing assets including signs/markings/crossing warning devices, reporting on railroad crossing deficiencies, making recommendations for safety improvements and construction projects, and performing operational analysis at highway rail crossings utilizing crash data, traffic volumes, and highway road/rail characteristics (sight distance, profile grades, grade crossing advance warnings, and pavement conditions). Using standardized forms, our team ***prioritizes hazards and develops tailored recommendations***—ranging from immediate low-cost improvements to complex signal upgrades or crossing consolidations.

Each diagnostic review is documented in a comprehensive report that meets federal requirements and supports funding eligibility. Our approach ensures LADOTD will receive ***actionable, data-driven recommendations and the technical support needed to deliver safer highway-rail crossings.***

Public Meeting Support

The Arcadis Team is prepared to provide any level of support that is needed for public meetings. This can range from organizing and

conducting public meetings and outreach efforts, to providing meeting materials derived from study results.

We can assist with planning meeting logistics, facilitating interactive workshops, and coordinating with local agencies to ensure broad community participation. ***Our staff are experienced in presenting complex technical information in a clear, accessible manner, using infographics, detailed maps, and 3D visualizations to help stakeholders understand the benefits and impacts of proposed changes.*** We will also develop handouts, presentation boards, and digital content tailored to various audiences, ensuring that all materials are inclusive and easy to interpret.

Additionally, our team will document public feedback and questions, integrating community input into final recommendations and reporting. By supporting transparent, two-way communication throughout the engagement process, we help build consensus and foster trust between project sponsors, stakeholders, and the public.

Federal Reporting

Arcadis will provide comprehensive support for all federal reporting requirements. Our team is experienced in compiling, validating, and submitting the complex data sets required by the Federal Railroad Administration (FRA) and the Federal Highway Administration (FHWA), ensuring that LADOTD remains in full compliance and continues to maximize available funding.

Our team is knowledgeable in maintaining, updating, and/or utilizing key Federal software databases, including the FRA GIS Web Application-FRA 5.02 – Crossing Inventory and Accident Reports-FRA Grade Crossing Inventory System (GCIS), FRA Highway-Rail Grade Crossing Accident Prediction System (GXAPS) and analysis tools available on the Department of Transportation website. Our process includes regular updates based on field findings, project completions, and changes in crossing conditions, as well as regular data pulls.

Additionally, our team assists with the preparation of required documentation for the FRA State Action Plan and the FHWA Highway Safety Improvement Program, ensuring all narrative, statistical, and geospatial data is complete, accurate, and formatted to meet agency expectations. ***By proactively managing all aspects of federal reporting, Arcadis enables LADOTD to demonstrate program effectiveness, maintain eligibility for federal funds, and support ongoing rail safety improvements across Louisiana.***

Preliminary and Final Plans

Preliminary and final plans will be developed in accordance with all applicable standards and guidelines including the LADOTD Roadway Plan Preparation Manual, Hydraulics Manual, AREMA Manual for Railway Engineering, and railroad owner requirements. All information from previous studies, and information required to complete design work will be identified and gathered by our team. Arcadis will conduct detailed field reviews prior to initiating design work to verify survey information and identify potential constraints. As part of the Arcadis Team, ***CD&C*** will provide any required survey services to develop the design. Plan stages will be discussed with the DOTD PM on a project by project basis to determine the required submittal stages for preliminary and final plans. Coordination with the railroad owner will be done to obtain applicable standards and plan format requirements.

Arcadis will discuss the programmed let date for design projects and develop a design schedule that accounts for the required 6 month offset between the completion of Final Plans (signed by the Chief) and the let date.

Preliminary Plans – Preliminary plans will be developed to a sufficient level of detail to identify and mitigate project impacts and constraints, set right-of-way, develop construction cost estimates and preliminary quantities, establish sequence of construction (as needed), and develop permit applications (as needed). The number of preliminary plan stage submittals will be determined on a project by project basis in collaboration with LADOTD. A Plan-in-Hand (PIH) meeting will be held toward the end of the preliminary plan process to obtain input from project stakeholders and identify any constructability concerns.

Final Plans - Arcadis will prepare comprehensive Final Plans, specifications, and estimates in full compliance with LADOTD standards. Our team will develop detailed construction drawings covering grading, drainage, pavement, structures, utilities, and traffic control, clearly showing construction limits, phasing, and right-of-way requirements. Our team will provide utility coordination as-needed to ensure that any utility impacts are addressed prior to construction.

All sanitary and storm drainage elements will be addressed in coordination with LADOTD, and all hydraulic and geotechnical designs will conform to the latest LADOTD and FHWA requirements. Plan sheets will meet LADOTD standards for format, quality, and units of measure, with all supporting documentation—such as permits and utility coordination—provided as required.

We will work closely with LADOTD and stakeholders throughout the process to ensure plans are accurate, complete, and ready for implementation.

Construction Proposal Services

Arcadis will assemble and package all Plans, Specifications, and Estimates (PS&E) documents, along with any other required bidding materials. Before the letting process, Arcadis will provide all bidding documents

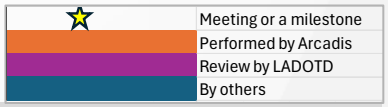
available for inspection and prepares addenda as necessary, addressing any project-specific issues promptly and proactively. Arcadis will generate comprehensive quantities estimate using LADOTD's standard bid items and provide a detailed construction estimate summary for LADOTD's BIDS system. ***Throughout the letting and award process, Arcadis will maintain an active presence, supporting LADOTD as needed and preparing any addenda upon request.***

Environmental Support Services

The Arcadis Team is prepared to provide environmental support services as needed for environmental clearnace, assessments and checklists. Our environmental experts can conduct an environmental inventories to identify any existing conditions and resources as part of the environmental clearance process. Resources may include migratory birds, cultural resources, wetlands and other waters, flood zones, underground storage tanks and hazardous materials sites, community elements, Section 4(f) issues, threatened and endangered species, critical habitat, and coastal resources.

Schedule

We anticipate that task orders for this IDIQ Contract will generally be smaller in scope and require approximately 1 year to complete for either study or design task orders. The schedule below shows example task durations for three types of task orders we anticipate to be issued under this IDIQ. Based on past experience, task orders involving the study and evaluation of rail crossings will take approximately 1 year to complet, but may extend to 18 months depending on the number of locations included in the task order. We expect task orders for preliminary and final design plans to take approximately 1 year to complete based on past experience. Durations may vary based on the size and complexity of the project and number of crossing locations.



Scope Category	Task	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Applies to all	Notice to Proceed																			
	Kick-off meeting	★																		
Highway-Rail Corridor Crossing Evaluations (*Assuming ~100 crossings*)	In house data review/verification and plan sheets																			
	Gather input from stakeholders																			
	Field Evaluations																			
	Individual crossing reports & recommendations																			
	LADOTD to review individual crossing evaluations																			
	Arcadis-LADOTD meeting									★										
	Summative Final Report and submit to LADOTD																			
	LADOTD final review																			
Roadway Rail Design Plan Set	Plan sheet converstion from reports																			
	Preliminary design																			
	LADOTD review																			
	Plan-in-Hand Meeting					★														
	Updates and final design																			
	LADOTD review																			
	Final submittal for project letting																			
	Construction Proposal Services																			
Force Account Contract (single project) *As Needed*	Diagnostic Review with stakeholders																			
	Project programming																			
	Cost estimate and circuit plan development with railroad																			
	Contract execution with LADOTD and Railroad																			
	NTP for construction								★											
	Construction monitoring and project closeout																			

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ARCADIS

SECTIONS

19-23

Arcadis has supported the **American Railway Engineering and Maintenance-of-Way Association (AREMA)** for over 20 years, reinforcing our commitment to advancing railway engineering standards across North America and globally. AREMA is widely acknowledged as the benchmark for railway engineering standards in the United States and Canada, and referenced globally. Arcadis' deep involvement with AREMA ensures our clients benefit from the latest industry standards and thought leadership.

Railroad Standards

Arcadis holds a **Corporate License**, for access to the AREMA Manual for Railway Engineering ensuring our team remains at the forefront of technical requirements and best practices.

Technical Committee Participation:

Arcadis actively supports **seven committees**, with **ten** staff members currently participating.

Education & Leadership

Sean Markey contributes to **Committee 24 (Education & Professional Development)**, helping design the "Introduction to Practical Railway Engineering" course, benefitting all AREMA committees and delivered to new railway engineers.

Thought Leadership

William Jansen contributes to **Committee 14 (Yards and Terminals)**, which is responsible for the development and publication of recommended criteria for the design and construction of rail yards and appurtenant facilities.

Engagement

We maintain robust engagement, with over **15 staff attending the AREMA conference** and committee meetings each year, sharing insights, innovation and cross-functional learning.

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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	Traffic	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(50% of remaining work is complete and invoiced but awaitng payment)*	$479,778
		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	$104,358
		4400023690 / H.016529.5	US90BUS (Broad St): Enterprise BL – I-210	$185,074
		4400023690 / H.016380.5	LA 1024: S-Wave Ground Inlay Grooves	$110,480
		4400017033 / H.005121	LA 1/LA 415 Connector	$490,744
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$133,543
		4400024084 / H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	$10,202
		H.003931	I-10 Calcasieu River Bridge P3 Project *(Majority of remaining work to be completed within 9 months)*	$915,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$93,435
	Road	4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$2,883
		4400017033 / H.005121	LA 1/LA 415 Connector	1,190,931
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Road Task Orders	$10,377
		H.003931	I-10 Calcasieu River Bridge P3 Project *(Majority of remaining work to be completed within 9 months)*	$500,000
	ITS	4400025921 / H.015938.1	Transportation Systems Management and Operations (TSMO) Program	$13,030
		4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(50% of remaining work is complete and invoiced but awaitng payment)*	$112,889
		4400026457 / H.013868.5 (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$628,407

ARCADIS		4400026457 / H.013868.6 (A) (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$544,002
		4400026457 / H.013868.6 (B) (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$228,024
		H.003931	I-10 Calcasieu River Bridge P3 Project *(Majority of remaining work to be completed within 9 months)*	$213,500
	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	$46,920
		H.003931	I-10 Calcasieu River Bridge P3 Project *(Majority of remaining work to be completed within 9 months)*	$244,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$8,125
	Bridge	4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(50% of remaining work is complete and invoiced but awaitng payment)*	$235,185
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Bridge Task Orders	$20,498
		H.003931	I-10 Calcasieu River Bridge P3 Project *(Majority of remaining work to be completed within 9 months)*	$457,000
	CE&I/OV	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12	$112,889
		4400027361 / H.011220.6, H.012901.6, H.010634.6	US 90 Engineering Support	$249,025
		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 *(Waiting on a supplement)*	178,371
	Data Colle-ction	4400021325 / H.012837.5	I-10 New Orleans Master Plan	$3,751
		4400023812 / H.015377.5	Weigh Station Assessment	$352,125

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
NEEL-SCHAFFER	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$45,205
		4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$56,682
		4400018271, H.014746.1	LA 383 Corridor Study	$93,741
		4400021094	Update Statewide Transportation Plan & Travel Demand Model	$3,344
		4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$5,318
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector & I-20 Improvements (SUB)	$805
		440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$552
		4400029436, H.011504.6	Alexandria Phase 2 Technical Support	$26,112
		4400029436, H.016447.1	DMS Decom & Updates SEA	$19,598
	Traffic	4400010428 EWL 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	N/A
		4400010428 S.A. 6, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$194,318
		4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$80,441
		4400018271, H.014746.1	LA 383 Corridor Study	$12,464
		4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$9,722
		4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$23,473
		4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	N/A
		4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$37,985
		4400025299, H.016168.1	Baton Rouge Northern Bypass Expressway	$302,763
		4400024927, H.014366.5	LA 621 Realignment at LA 73 *(on hold and should not count as backlog)*	$66,649
		4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	N/A
		4400025299, H.015986.5	I-49 at LA 3233 (Harry Gilbeau Road) Traffic Study	$57,077
		4400023689, H.015574.5	LCG FYA Signal Improvements Phase 2	$189,723
		4400028585, H.014516.5	Mills Ave & Rees St Intersection Imp	$81,998
		4400025299, H.014305.1	US 61: Cardinal Drive to Bert Street	$160,984
		4400025299, H.016437.5	US 190: Wooddale to Livingston P/L	$153,844
		4400023689, H.015227. S.A. #1	US 61 @ Victoria Dr. Ped Crossing, S.A. #1	$9,051
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	N/A

	Road	4400024927, H.015226.5, S.A. #2	US 90: Roundabout at LA 101, S.A. #2 *(on hold and should not count as backlog)*	N/A
NEEL-SCHAFFER	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73 *(on hold and should not count as backlog)*	$324,142
	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet *(awaiting NTP for design and should not count as backlog)*	$156,280
	Road	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Ave. *(on hold and should not count as backlog)*	$149,698
	Road	4400024927, H.016158.5	LA 182: Greenwood St. Overpass *(on hold and should not count as backlog)*	$20,560
	Road	4400024927, H.015640.5	LA 159 & LA 818: Roundabout	$377,045
	Other (PM)	4400027987, H.015373.1	LRSP and SRTPP Program Management	$604,172
	CE&I /OV	4400029441, H.011446.6	Mound Rest Area Renovations	$65,702
	Other (Electrical)	4400029441, H.015218.5	Grand Prairie Safety Rest Area Lighting	$28,000

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
C&C INCORPORATED	Survey	4400027093/H.014041	LA 92 ROW Maps	$15,085
	Survey	4400026026; H.016037	LA 1138-1 & LA 1138-2	$49,510
	Survey	44-29196; H.016255.5	LA 1: WGS Riverplex RR Overp	$318,949
	Survey	44-26912;H.0161895.5	LA 31 Sidewalks	$89,805
	Survey	44-27181; H.015861.5	LA 4 Sidewalks Jonesboro	$8,091
	Survey	44-27181; H.015918.5	Downtown Winnfield Sidewalks	$61,947

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 Various Relevant NHI and DOTD Courses
Jose L. Rodriguez, PE *Meet MPR No. 2*	ARCADIS	ATSSA Traffic Control Supervisor
Ari Deitch, PE, PTOE, PTP, RSP1 *Meet MPR No. 4*	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 *Meet MPR No. 4*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor
Justin Maderia, PE, PTOE, PTP *Meet MPR No. 4*	ARCADIS	Professional Transportation Planner (PTP) Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Nick Ferlito, PE, PTOE *Meet MPR No. 4*	NEEL-SCHAFFER Solutions you can build upon	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Jonathan Duhe, PE, PTOE, RSP1 *Meet MPR No. 4*	NEEL-SCHAFFER Solutions you can build upon	Road Safety Professional (RSP) Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor
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
Tait Karlson, PE, PTOE	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3

20 CERTIFICATIONS/LICENCES

Names	Firm	Relevant Certification
Clara Foshee, PE, PTOE	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Cody Lemoine	ARCADIS	ATSSA Traffic Control Supervisor
William (Case) Fulcher, PE, PTOE, PTP, RSP2B, RSP2I	NEEL-SCHAFFER Solutions you can build upon	Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Vijay Kunada, PE, PTOE, PTP	NEEL-SCHAFFER Solutions you can build upon	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 Professional Transportation Planner (PTP)
Cody Lemoine	ARCADIS	ATSSA Traffic Control Supervisor Federal Aviation Administration (FAA) Remote Pilot License

Louisiana's Secretary of State (SOS) Registration Screenshots for: **Arcadis U.S., Inc.**, **Neel-Schaffer, Inc.** and **Civil Design & Construction, Inc.** are located at the end of this section.

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

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

PROFESSIONAL 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
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

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.

Beth Parleton · Chair, Board of Directors

Mark A. Langley · President and Chief Executive Officer

PROJECT MANAGEMENT INSTITUTE CORPORATE SEAL 1969 PENNSYLVANIA

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 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
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

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

hosted by

Louisiana Department of Transportation and Development

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

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

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

Local Coordinator

Richard Barnaby, Director
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

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. FHWA-NHI-380106

Highway Safety Manual Online Overview

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *12 hours*

Date: *7/18/2012*

Richard J. Barnaby, Director
National Highway Institute

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 7 PROFESSIONAL DEVELOPMENT HOURS IN:

Louisiana's Complete Streets Peer Exchange

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

ATSSA

Safer Roads Save Lives

Jose Rodriguez

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAR-2024

CEU (If Applicable): 0.75

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Transportation Professional Certification Board, Inc.

certifies that

Ari Jacob Deitch

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 37 issued in Washington, DC, USA

12/21/2018

Diane W. Morabito
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

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

Professional Traffic Operations Engineer

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

11/20/17

Michael K. Park
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Jeffrey F. Paniati
Executive Director

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA

Safer Roads Save Lives

Ari Deitch

has attended
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024

CEU (If Applicable): 1.5

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

This certificate provides proof of training, not certification.

ATSSA CERTIFIED

American Traffic Safety Services Association
ATSSA.com

Certificate of Professional Development Hours

presented to

Ari Deitch

for attending the

Highway Safety Manual Workshop

12 PDHs

on

May 2-3, 2013 Baton Rouge, Louisiana

Authorized By

Research, Technology Transfer, Education and Training

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

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*

Hours of Instruction: 11

Location: *Baton Rouge, LA*

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Transportation Professional Certification Board, Inc.

certifies that

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 690 issued in Washington, DC, USA

07/17/2019

Diane M. Morabito
Diane Morabito
Chair

PTP
PROFESSIONAL TRANSPORTATION PLANNER

Jeffrey F. Paniati
Executive Director

ATSSA
Safer Roads Save Lives

Kester Hollier

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-JUL-2023

CEU (If Applicable):

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

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

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

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

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

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

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Nick J. Ferlito, Jr.
Neel-Schaffer, Inc.
10000 Perkins Rowe, Suite G360
Baton Rouge, LA 70810 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 4/23/2023.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 4/23/2023. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb,org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Diane W. Morabito

Diane W. Morabito, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Attachments

Transportation Professional Certification Board Inc.

certifies that

Tait K. Karlson

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 3091 issued in Washington, D.C., U.S.A.

July 20, 2011

Steven D. Hofener
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Certificate of Completion

presented to

Tait Karlson

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Tait Karlson

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Tait Karlson

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

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

Nick Ferlito

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

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Nick Ferlito

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

Transportation Professional Certification Board, Inc.

certifies that

Jonathan Paul Duhe

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 282 issued in Washington, DC, USA

07/17/2019

Diane W. Morabito
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Jonathan Paul Duhe

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 4418 issued in Washington, DC, USA

3/18/18

Michael K. Park
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Jeffrey F. Paniati
Executive Director

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jonathan Duhe

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

9/8/2023 to 9/8/2027
Training Valid Through

Baton Rouge, LA
Location

Vice President of Education and Technical Services

President, CEO

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

American Traffic Safety Services Association ATSSA.com

Certificate of Completion

presented to

Jonathan Duhe

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

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

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

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Jonathan Duhe

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

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

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 5291 issued in Washington, DC, USA

7/13/2022

Deborah L Snyder

Deborah Snyder
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

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

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 636 issued in Washington, DC, USA

8/3/2021

Deborah L Snyder
Deborah Snyder
Chair

RSP1 ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

ATSSA
Safer Roads Save Lives

Max Aguirre

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-SEP-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association
ATSSA.com

The Transportation Professional Certification Board

Certifies that

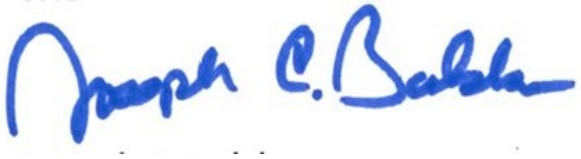
Max Aguirre, Ph.D.,PE,PTOE,RSP2I

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

Original Certification Date: 7/9/2024

Certification Valid Through: 7/9/2027

Jeffrey F. Paniati,
Executive Director and CEO



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

Certification Number: 182

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board, Inc.

certifies that

Clara Foshee

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 5800 issued in Washington, DC, USA

11/13/24

Joseph C. Balskus
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Steve Kuciemba
Executive Director

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 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

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
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

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Cody Lemoine

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

1/25/2022 to 1/25/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

This certificate provides proof of training, not certification.

ATSSA American Traffic Safety Services Association ATSSA.com

I **UNITED STATES OF AMERICA** XI

DEPARTMENT OF TRANSPORTATION ▪ FEDERAL AVIATION ADMINISTRATION

IV NAME

CODY MICHAEL LEMOINE

V ADDRESS PO BOX 407
HESSMER LA 71341-0407

U S

VI NATIONALITY USA	SEX	HEIGHT	WEIGHT	HAIR	EYES
IVa D.O.B. 19 DEC 1990	M	73	340	BLACK	HAZEL

IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF

II **REMOTE PILOT**

III CERTIFICATE NUMBER **4416213**

X DATE OF ISSUE 11 AUG 2020

XIV Steve Dickson

VIII ADMINISTRATOR

CODY MICHAEL LEMOINE

4416213

XII RATINGS

REMOTE PILOT
SMALL UNMANNED AIRCRAFT SYSTEM

XIII LIMITATIONS

U
A
S

VII SIGNATURE
OF HOLDER

Certificate of Completion

presented to

William Case Fulcher

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

William Fulcher

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 DEPAR
TRANSPORTATION & DE

T:\Logos\DOTD Logo\New DOTD Logos - 2012\LaDOTD_LogoColor_2in_300dpi.png

Certificate of Completion

presented to

William Fulcher

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 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

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
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

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: October 10, 2018
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

Vijay Kunada

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: December 17, 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

Vijay Kumar Kunada

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 096
issued in Washington, D.C. is subject to the provisions for renewal
November 7, 2007

Steven D. Hofener
Chair

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Vijay Kunada

From: orders@ite.org
Sent: Wednesday, October 22, 2025 11:37 AM
To: Vijay Kunada
Subject: TPCB Renewal Approval Notice

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mr. Vijay K. Kunada, P.E., PTOE, PTP:

We want to congratulate you and thank you for renewing your certification as a PTP. The Transportation Professional Certification Board and staff commend you on your commitment to your profession and stand ready to assist you. Some important things to note:

1. Your certification is renewed through 11/7/2028.
2. You will not be receiving a new certificate as the one sent to your originally does not indicate an expiration date and can be displayed as long as you are a PTP. Your certificate does indicate your original certification date.
3. At the end of the three-year period, your certification will need to be renewed again. This can be done without examination provided you have met the continuing education requirements and submitted the necessary PDHs/CMs.
4. Just a reminder that you can use the free Record-keeping System if you are an ITE member, but if you are a non-member, you may use this template to keep track of your credits. https://www.tpcb.org/TPCB/assets/File/PUBLISHED/TPCB%20Template%20for%20PDH%20Uploading%20Fillable.pdf

We thank you for your continuing support of the Certification Program and wish you the best of luck in the coming years.

Sincerely,

Jan O. Voss, P.Eng., PTOE
Chair, Transportation Professional Certification Board

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
NEEL-SCHAFFER, INC.	Business Corporation (Non-Louisiana)	JACKSON	Active

Previous Names

Business: NEEL-SCHAFFER, INC.
Charter Number: 34112054F
Registration Date: 4/25/1983

Domicile Address

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Mailing Address

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Principal Business Office

4450 OLD CANTON ROAD
SUITE 100
JACKSON, MS 39211

Registered Office in Louisiana

450 LAUREL STREET, 8TH FLOOR
BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana

450 LAUREL STREET
8TH FLOOR

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

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

Previous Names

Business: CIVIL DESIGN & CONSTRUCTION, INC.
Charter Number: 35961196D
Registration Date: 6/15/2005

Domicile Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Mailing Address

P O BOX 857
PORT ALLEN, LA 70767

Principal Office Address

3251 SOUTHERN PACIFIC ROAD
PORT ALLEN, LA 70767

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 6/15/2005
Last Report Filed: 5/20/2025
Type: Business Corporation

Registered Agent(s)

21 QA/QC PLAN:

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
NEEL-SCHAFFER, INC.	10000 Perkins Rowe, Suite G360, Baton Rouge, LA 70810	Vijay K. Kunada vijay.kunada@neel-schaffer.com	337-366-8829
CIVIL DESIGN & CONSTRUCTION, INC.	PO Box 857 Port Allen, LA 70767	Karla E. Weston kweston@cdcbr.com	225-765-1802

23 LOCATION:

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

www.arcadis.com

www.arcadis.com
Arcadis North America
Arcadis
@ARCADIS_US